Regional Development Master Plan



Rural Water Supply & Sanitation

The Urban Unit

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Acronyms

• Public Health Engineering Department	PHED
• Water and Sanitation Sector	WSS
• Sustainable Development Goals	SDGs
• China Pakistan Economic Corridor	CPEC
• Public Private Partnership	PPP
• Community Based Organizations	CBOs
• Rural Water Supply Scheme	RWSS
• Rural Sewerage & Drainage	RSDS
• Mean Time Between Failures	MTBF
• Open Defecation Free	ODF
• Ultra Filtration	UF
• Total Dissolved Solids	TDS
• Overhead Reservoirs	OHRs
• Households	HH
• Pakistan Social Living Measurement	PSLM
• Million Gallons Per Day	MGPD
• Operation and Maintenance	O&M
• Reverse Osmosis	RO
• National Environmental Quality Standard	NEQs
• Management information systems	MIS
• Geographical Information System	GIS

1 Executive Summary

This section of Rural Water Supply & Sanitation in Gujranwala Division is developed with the aim of analyzing the existing situation; identification of challenges and proposal of requisite interventions to improve the livelihood of the peoples involved in line with relevant regulatory policies and strategies. Primary data collection from Public Health Engineering Department (PHED) and secondary data available on Water and Sanitation Sector (WSS) gave the team an insight about the existing state of WSS in rural areas of Gujranwala Division in Punjab. Current situational analysis (less than 20% coverage of water and less than 10% coverage of sanitation) pronounce that very little focus has been given in the past to invest for the provision of efficient municipal service delivery and improve the living condition of people in rural areas. It has been noted that the current condition of the existing infrastructure is non-satisfactory and this inadequacy roots from the dys-functional equipments and system as a whole. It is visualized that due to presence of sweet water zone in the region, water quality is not majorly a cause for concern while minute hotspots of chemical contamination exist and have been duly identified where requisite interventions are direly required. Overall, the sanitation system services in the rural areas are in a rather more hopeless condition when compared to the available water services.

Rehabilitation of significant proportion of Dysfunctional Infrastructure; execution of newly proposed infrastructure; deployment of GIS & MIS based monitoring and management systems; allocation of investments for operation and maintenance and last but not the least capacity building component are some key corners of interventions that need to be adopted with clear implications for provision of sustainable and proficient service delivery and for achieving the WSS related Sustainable Development Goals (SDGs) target of 2030. The progress required in rural WSS sector in the region calls for the availability of funds and investments from donor agencies, Asian Development Program (ADP), China Pakistan Economic Corridor (CPEC) and Public Private Partnership (PPP).

2 Introduction

Punjab is the most populous province of Pakistan with almost a population of 110 million, out of which 63% (70 million) reside in the rural areas. Gujranwala is one of the administrative divisions of Punjab having rural population of approximately 10 million as per census of 2017. This section intends to cover the current situation as well as future endeavors of water and sewerage sector in rural areas of six districts namely Gujranwala, Narowal, Hafiz Abad, Mandi-Bahauddin, Gujrat and Sialkot lie in Gujranwala Division.

Public Health Engineering Department (PHED) is the main department responsible for the installation or execution of water supply and sanitation schemes in rural areas of Punjab. PHED usually installs water supply schemes in rural areas and then hand over to Community Based Organizations (CBOs) for its operation & maintenance (O&M).

Poor allocation of funds for the water supply and sanitation in Punjab has resulted in an increasing trend of self-provision. Rural areas fare is much worse. While there has been no comprehensive assessment of the quality and performance of public water supply schemes, available data of PHED shows that around 30-35% of the 4000 rural water supply and sewerage / drainage schemes (completed by PHED) are either abandoned or dysfunctional due to couple of reasons and a majority of remaining are functioning below design parameters, being maintained by Community Based Organizations (CBOs) etc, further highlighting the poor service delivery.

The overall goal of the assessment and interventions proposed in water and sanitation sector of this section of Regional Development Plan of Gujranwala Division is to provoke productivity, sustainability and competitiveness of rural areas by ***reducing poverty; augmenting service delivery levels; improving the living conditions and quality of life (socio-economic condition) of the communities; increasing standard of public health (through reduction in water borne diseases) in rural settlements***. The development plan aims to identify service delivery challenges including the prevalent gaps in terms of water supply and sanitation coverage and its quality of services and summarily recommend a road map in terms of projects digest to mobilize the priority based resources and investments in rural zones.

2.1 Linkages with Policies

Regional development plan will provide a framework of need based priority interventions among districts of region to overcome challenge of discrepancies and deprivations. Furthermore, it will also be in line with long term ***China Pakistan Economic Corridor (CPEC) plan (LTP -2030)*** and ensure public and private investments at right place. ***National Water Policy 2018*** calls for development of plans and initiatives to increase access of services, rehabilitation and construction of sustainable infrastructure, ensure economic and financial sustainability, operative water quality monitoring, improved data management and community awareness. The plan will act as a pathway to operationalize National and Provincial Water and Sanitation (WSS) Policies and ***Punjab Growth Strategy2023*** which focuses on enhancing the access to drinking water and sanitation services to prevent diseases and health risk through implementation of prioritized necessary reforms and envision to provide adequate, safe drinking water and sanitation facilities to the entire

population (including rural communities) through equitable, efficient and sustainable municipal services.

Access to safe drinking water and improved sanitation facilities is vital to improve inclusive socioeconomic development of the area. ***Punjab Spatial Strategy (PSS) 2047*** also emphasizes on need of the provision of safe drinking water and sanitation services through development of improved physical infrastructure to cover existing spatial deprivations.

Provision of safely managed drinking water (use of an improved drinking water source located on premises that is accessible to all and is free from contamination on sustainable basis) and sanitation services to rural population is the responsibility of the Government in achieving the ***Sustainable Development Goals (SDGs) Target***-Goal 6.1 & 6.2- by 2030. It goes without saying that the need of the hour is the need of addressing the prevalent disparities and inequalities of basic services in rural and urban settlements. This can truly stimulate significant progress in course of achieving equitable growth and actualizing our SDG commitments.

2.2 Socio-Economic Impact of Water and Sanitation Projects

The requirement of improved water and sanitation infrastructure is essential for the welfare of all inhabitants and improved coverage of municipal services add to socio-economic development. A study conducted by the World Bank (2012) for Pakistan was a testament of the fact that poor sanitation and hygiene tends to have grave imoact on a country's economy. Similarly, in 2006 our poor hygiene cost the economy PKR 344 Billion (US$ 6.0 Billion) or the equivalent to 3.9% of Gross Domestic Product (GDP). This translates into an economic cost at an average of PKR 2,140 (US$ 37.5) per capita annually. The impact of poor water and sanitation can be expressed in adverse health effects, cost associated with medical treatment, productivity loss because of absence from work due to bad health, costs associated with usage of bottled/canned water, time spent to access services, cost of absence from school/education etc. This has an overall impact on the economy and socio-economic development of the persons of the community.

Water plays an imperative role in asuring equitable, sustainable and productive rural economies. Along with acting as a remarkable factor in agricultural, diet and human health, water plays an incremental role by generating new employment opportunities across the rural economy. Reliable and appropriate water infrastructure that allows for easy access to a safely managed water supply and sanitation services will lead to an improved lifestyle of rural people, produce resultantly fit and dynamic labor, escalate rural economies and create jobs.

Implementation of proposed projects to build and manage water sanitation related infrastructure as well as service provision will need utilization of large human resource and thus can provide employment opportunities for local people of villages. The significant challenge present in rural areas is poor maintenance of Water Supply and Sanitation (WSS) infrastructure by Community Based Organizations (CBOs). These organizations need to be strengthened through capacity building and by making sure the availability of investment for operation and maintenance of infrastructure which can be procured via public private partnership as well. According to Multiple Indicator Cluster Survey (MICS) data of 2017-18, 36% women spend their time in fetching water

from farther sources which can be utilized in productive manner in carrying out their respective roles in education or jobs in agriculture or other market.

2.3 Development Portfolio for WSS in GRW Division

Latest total development portfolio cost of projects for WSS sector in Gujranwala Division was 16 Billion (rural) and 7 Billion (Urban); hence 23 Billion for WSS in Gujranwala Division from total of 141 Billion allocated for all sectors in region. From 17 Billion rural WSS share, the total cost for on-going schemes of Rural Water Supply (RWSS) and Rural Sewerage & Drainage (RSDS) was 644 Million and 15,165 Million PKR respectively while released budget allocation for both 11 RWSS & 252 RSDS on-going schemes was 48 and 878 Million PKR. Furthermore, budget allocation, total cost of schemes and number of schemes for both RWSS & RSDS is shown in figure 1 and 2. It is clear that a minute amount is being released from total cost of schemes for development projects and this seems like a main hinderance in achieving the desired level of improvements and services.

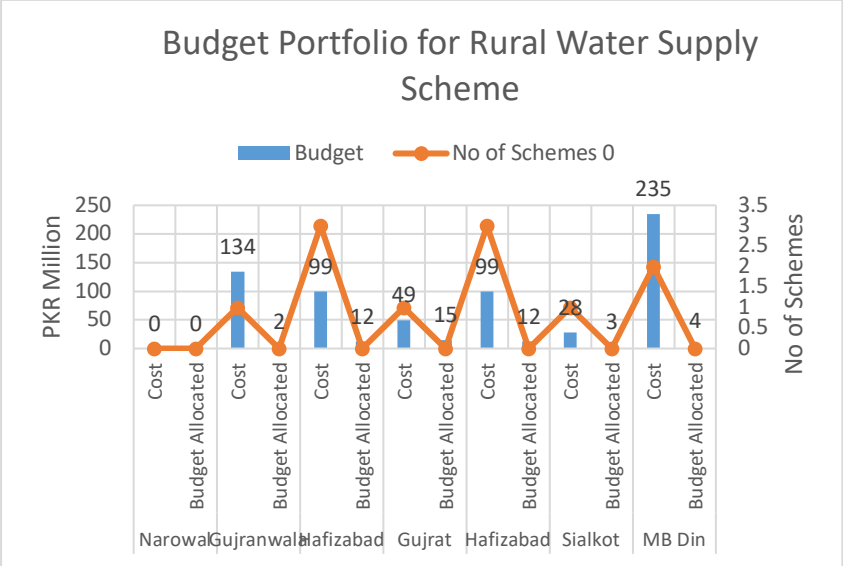


Figure 1: Budget for Rural Water Supply Schemes

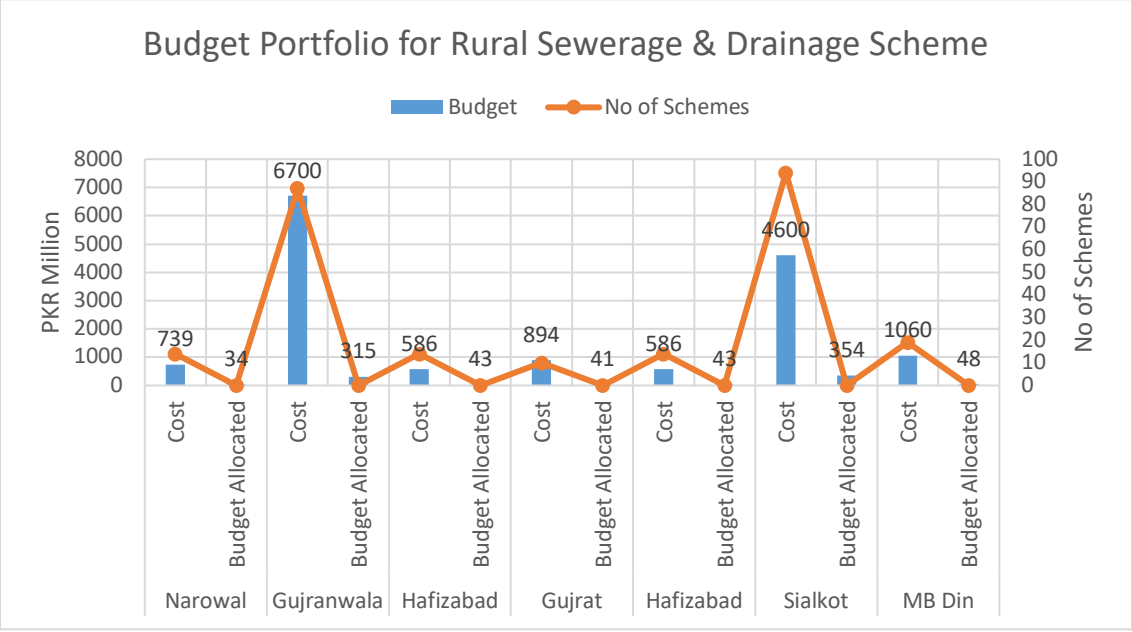


Figure 2: Budget for Rural Sewerage & Drainage Schemes

2.4 WSS Situation in Rural Punjab

Water supply coverage in urban and rural area was 87 and 48% and Sanitation coverage was 85 and 56% respectively, as per the Government of Punjab's own estimates as presented in the PHED's Mean Time Between Failures (MTBF) statement for 2011-14, which represents the disparities in urban and rural areas.

According to secondary analysis on Punjab MICS 2014 data, overall water supply coverage was 56% in rural Punjab. Safely managed drinking water services are just available to 48% population in rural Punjab as per MICS 2017 which seems to be far behind in achieving SDG 6 targets and this clearly needs intervention by the higher end in order to improve the current situation. Water availability through distribution pipelines to home dwellings are just 8% in rural areas which is of concern whereas the remaining majority of the population uses hand pumps (33%) and motor pumps (49%) as per Punjab Social & Living Standard Measurement Survey (PSLM) 2018-19 findings.

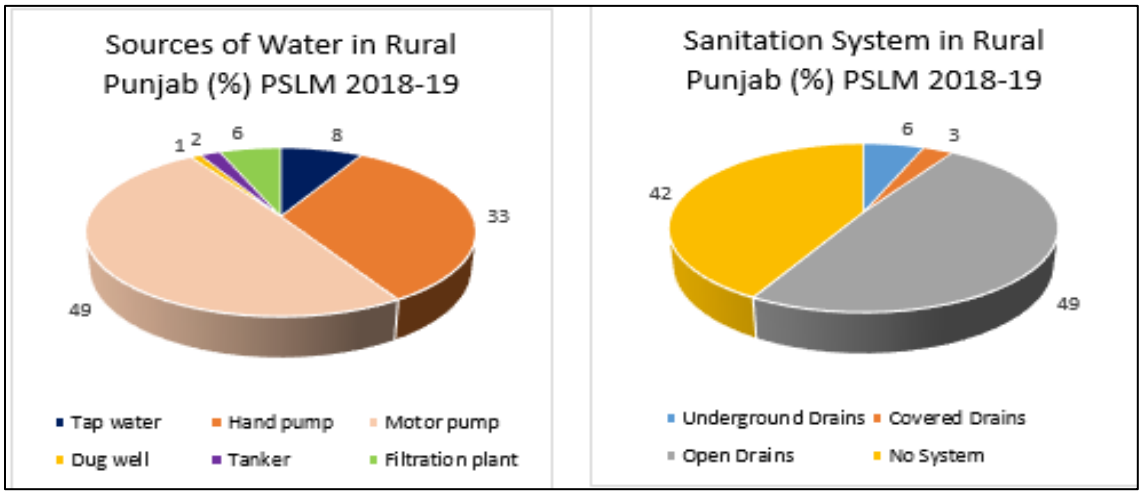


Figure 3: Water and Sanitation (WSS) Sources in Rural Punjab

On the other hand, in regard to sanitation system, currently 73% of rural Punjab's population has improved sanitation with 20% open defecation only and 62% not shared improved sanitation. Furthermore, around 50.5% of Households (HHs) reported on-site safe disposal of human excreta as per MCS 2017-18 results. According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system facilities respectively. None of the 36 districts in Punjab are Open Defecation Free (ODF). Unavailability of required level of sustainable municipal services has led to poor living standard and unhygienic health of the peoples.

Child mortality rate and infant mortality rate is found to be 11 and 66 per 1000 live births as per MICS latest data in rural Punjab. Lack of access to the clean drinking water and sanitation facilities is a primary factor in the spread of waterborne diseases. These recorded failures result in (i) increased expenditures on health services; (ii) low productivity and income, particularly for women; (iii) low school enrollment and high dropout rates, particularly for girls at the primary school level; and (iv) overall negative impacts on the socio-economic conditions of the rural population generally, and the poor in particular. According to MICS 2017-18, water, sanitation, health related indicators in rural Punjab are summarized below in figure 4. The figure below allows

one to envisage the present deplorable condition of the rural areas. However, it is pertinent to mention that MICS indicators data for rural areas to narrow down the situation of district/division level is not available.

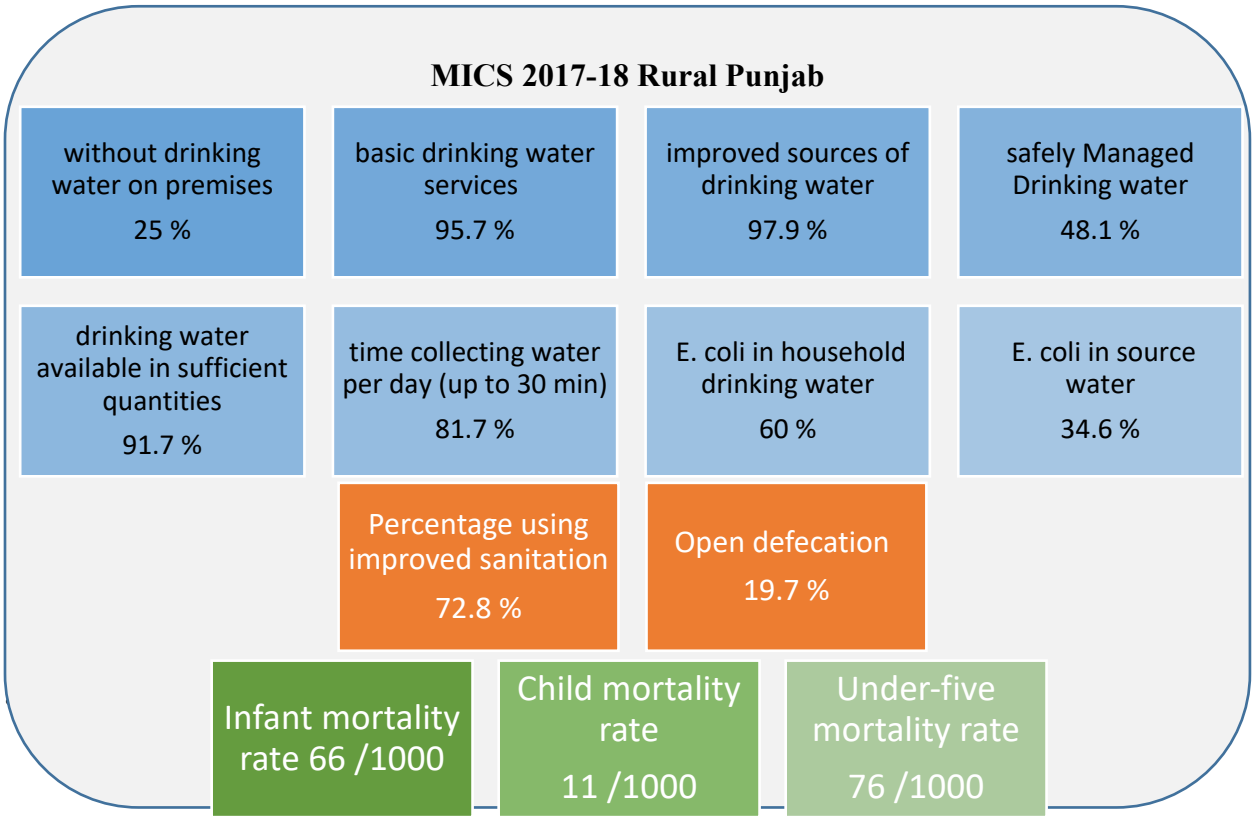


Figure 4: WSS & Health Indicators in Rural Punjab

3 Gujranwala Division at a Glance (Rural)

Gujranwala division comprises of six districts and 20 tehsils. Rural area of Gujranwala Division comprises of 5481 villages with total population of 11 Million in 2017 which is expected to reach by 12.5 Million with average growth rate of 1.54.

Table 1: Demographic features of Rural Gujranwala

	Population 2017	Growth Rate	Population 2030	No of Villages	No of Tehsils
Gujrat	2,016,218	1.49	2,337,600	1051	3
Hafizabad	780,654	1.16	876,087	401	2
Gujranwala	2,166,627	1.61	2,541,842	773	5
MBDin	1,669,027	1.56	1549296.688	421	3
Narowal	1,522,901	1.59	1,783,123	1311	3
Sialkot	2,905,793	1.85	3,490,399	1524	4
	11,061,222	**1.54**	**12,578,347**	**5481**	**20**

Tehsils level mapping of Gujranwala Division is presented in Figure

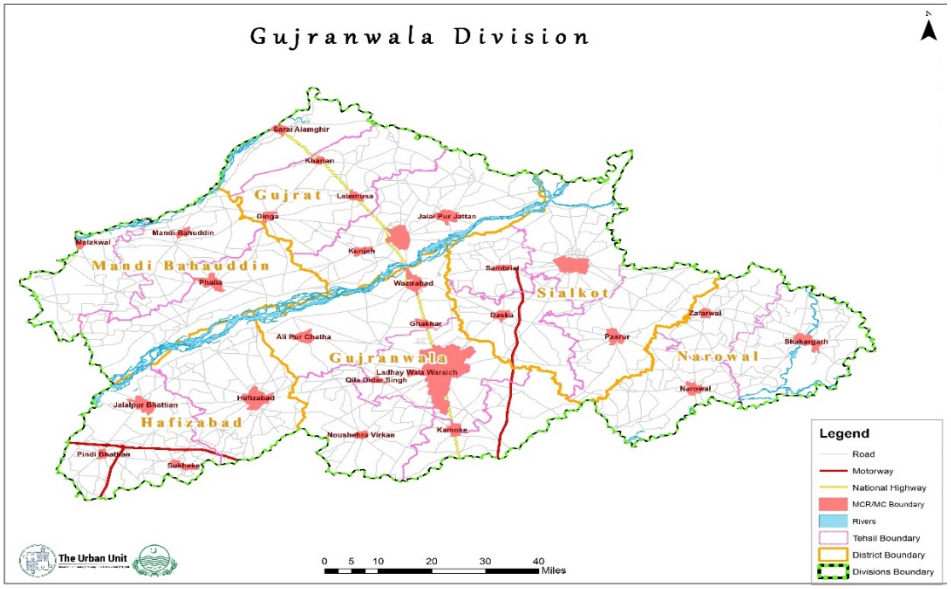


Figure 5: Tehsils of Gujranwala Division

3.1 Water Supply & Sanitation Situation in Rural Gujranwala

District level profiling was carried out in 2015 based on MICS data survey results of 2011 in which water and sanitation service delivery indicators were reported which are presented for rural areas of six districts present in Gujranwala division. From available latest rural level data, it can be seen that improved water coverage was above 94% in rural areas of all six districts. Access to piped water was less than 5% except of Gujrat which seeks attention to be addressed. Sanitation services are lacking as compared to water services in rural regions which can be seen through graph but major point of concern is lowest access of 62% in Hafizabad. Although no district of Punjab is open defecation free while it is noted that open defecation was found to be in range of 3-34% with the highest proportion being 34% in Hafizabad. In short, it can be conclusively said that the sanitation sector is more of a vulnerable area and this needs dire consideration.

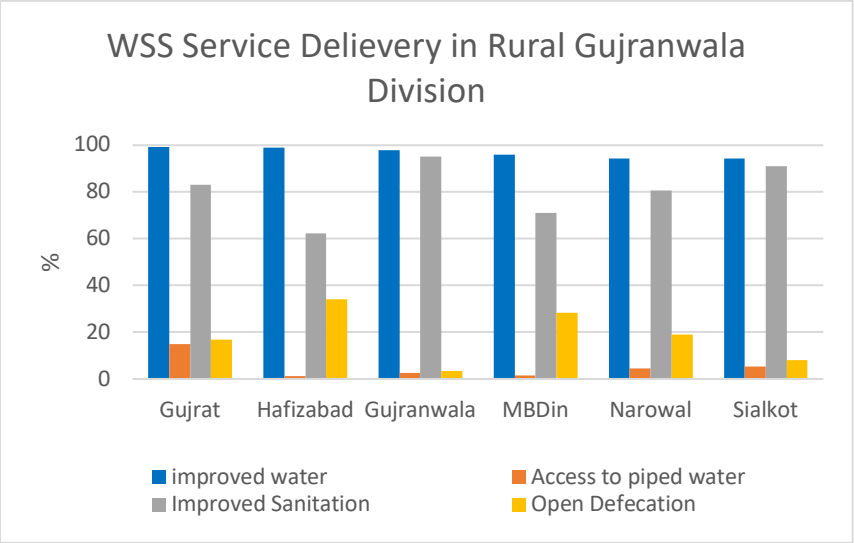
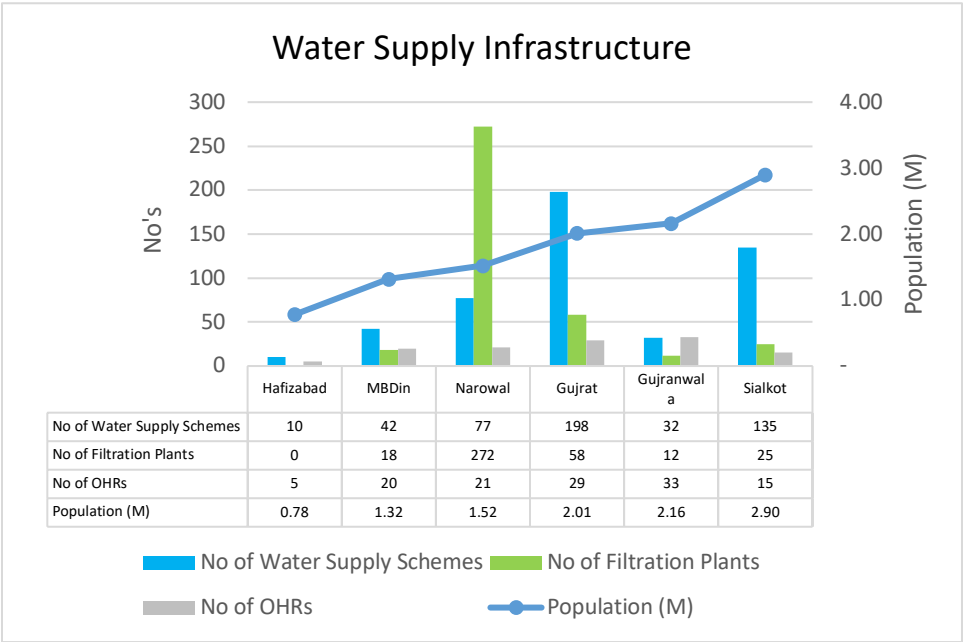


Figure 6: WSS indicators in Rural Gujranwala

3.1.1 Water Supply Infrastructure

Currently groundwater is used as a source of water for domestic and especially drinking purposes. Overall, groundwater of Gujranwala is sweet except for few areas of brackish pots. Information of existing WSS infrastructure is provided by relevant officers of PHED who are looking into WSS services in rural areas. The



	Hafizabad	MBDin	Narowal	Gujrat	Gujranwala	Sialkot
No of Water Supply Schemes	10	42	77	198	32	135
No of Filtration Plants	0	18	272	58	12	25
No of OHRs	5	20	21	29	33	15
Population (M)	0.78	1.32	1.52	2.01	2.16	2.90

Figure 7: Rural Water Supply Infrastructure in GRW Division

strengthing trend of WSS infrastructure can be illustrated in the figure below. There exists deficiency as well as disparity of water supply infrastructure among the districts. Rural water supply schemes as well as clean drinking water filtration plants are least in numbers in Gujranwala district. Gujrat seems to be at higher state in terms of having water supply schemes as well as filtration units while just Narowal has highest number of water filtration units but it is of concern that only 73 filtration plants are currently in working state form 272 units. But it is of matter that current infrastructure for provision of water services is low as compared to what is needed to meet SDG target.

Water supply lines are very rare in rural areas and people are deprived of availability of sufficient amount of water at their doorstep through tap water. According to data provided by PHED there is only 3-11% population in the six districts who are being served with water supply, Hafizabad being the lowest recipient of this supply while highest number of people being served reside in Gujrat as depicted in figure 8.

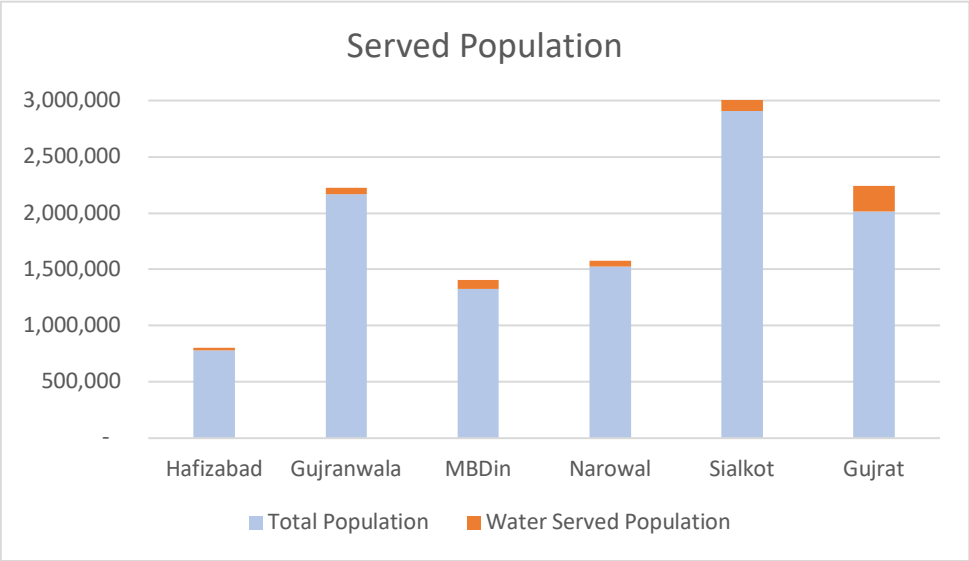


Figure 8: Rural Water Supply Served Population

As long as the sewerage system is concerned, it was informed that very little population is being served with the requisite sewerage system. Although drains are usually present in the villages, however, the existing sewerage system needs to be redesigned and established for provision of safe sanitation services to meet SDG targets.

One of the major challenges of Service Delivery in rural areas is the distribution of responsibilities to execute and operate the infrastructure. PHED is responsible for execution or installation of the municipal services infrastructure which is usually handed over to Community Based Organizations (CBOs) for its operation and maintenance (O&M). It is noticed that 37-75% of rural water supply schemes and 14-73% filtration plants present in rural area of Gujranwala Division are dysfunctional due to multiple reasons. The significant constraints behind the scene are absence of technical and financial capacity of CBOs as well as conflicts and ownership concerns.

Table 2: DysFunctional Infrastructure and Water Contamination in Gujranwala Division

	Dys-Functional Water Supply Schemes	Dys-Functional Filtration Plants	Water Contamination
	%	%	%
Gujrat	37	14	6
Hafizabad	70	0	16
Gujranwala	75	67	7
M.B.Din	57	66	5
Narowal	42	73	1.2
Sialkot	37	52	3

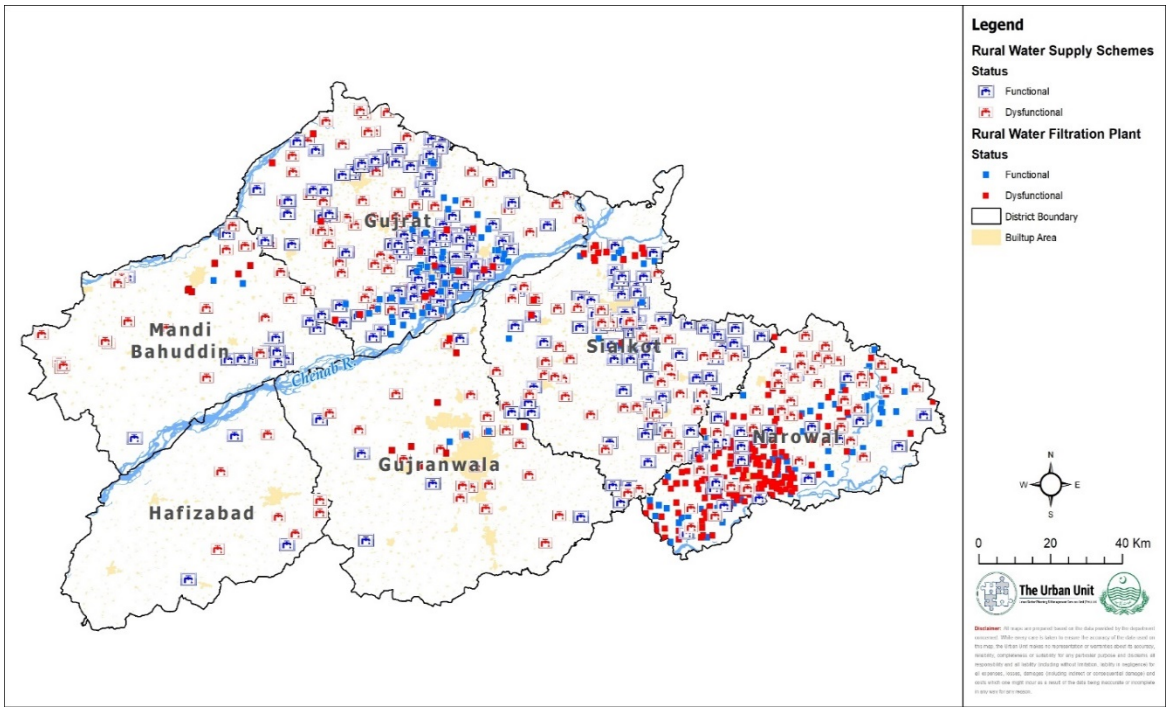


Figure 9; Water Supply Infrastructure in Gujranwala Division

3.1.2 Water Qulaity Situation

PHED usually carries out water quality testing at water supply schemes and water filtration units and those results were shared and seem to fall within the safe limits at almost all points except of few minor places. In the same realm, secondary data of PHED-UNICEF 2014-16 available of water quality at village level was also evaluated to see detailed situation of water quality in the division. It is found that 1-16% TDS contamination was present in six districts. Similarly nitrate contamination in groundwater of Gujranwala was also observed during data analysis. Further detailed statistical and spatial situation of water contamination for multiple parameters is articulated in individual district profile of the report.

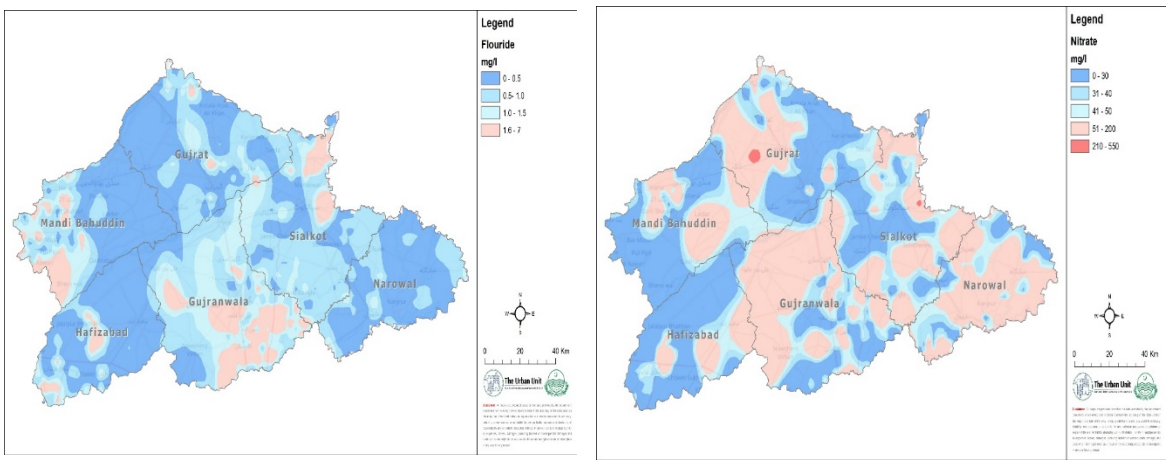


Figure 10: Water Quality Situation in Gujranwala Division

3.1.3 Service Delivery Challenges

Currently there are many challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas.

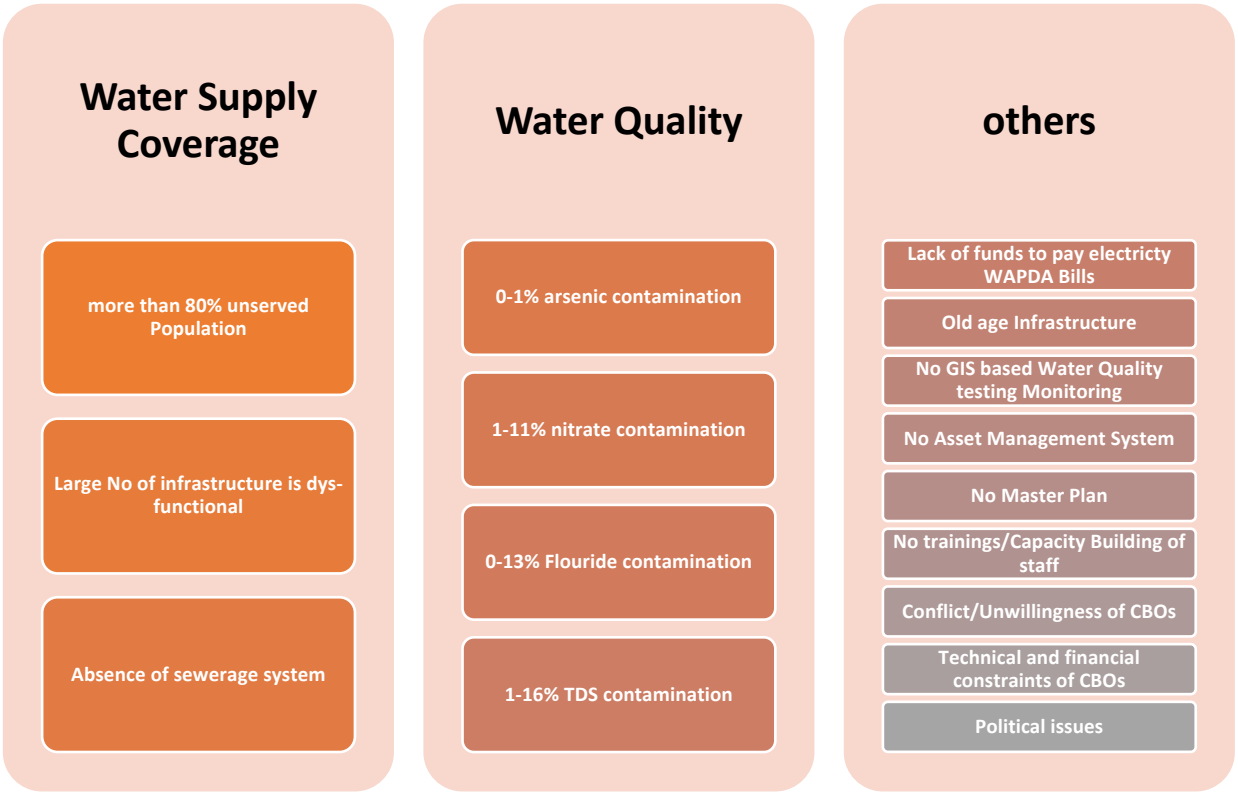


Figure 11: Service Delivery Challenges in Rural Areas

To meet SDG 6 target, equitable and safe drinking water needs to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Gujranwala rural area as per PHED water supply criteria.

Table 3: Rural Water Infrastructure Requirement in Gujranwala Division

	New RWSS Schemes	New Rural Water Filtration Plants
Gujrat	583	1128
Hafizabad	214	406
Gujranwala	568	1038
MBDin	299	633
Narowal	397	753
Sialkot	841	1604

3.1.4 Interventions Proposed

In general, following interventions are proposed based on current situation assessment and future requirements by 2030 in rural areas of Gujranwala division.

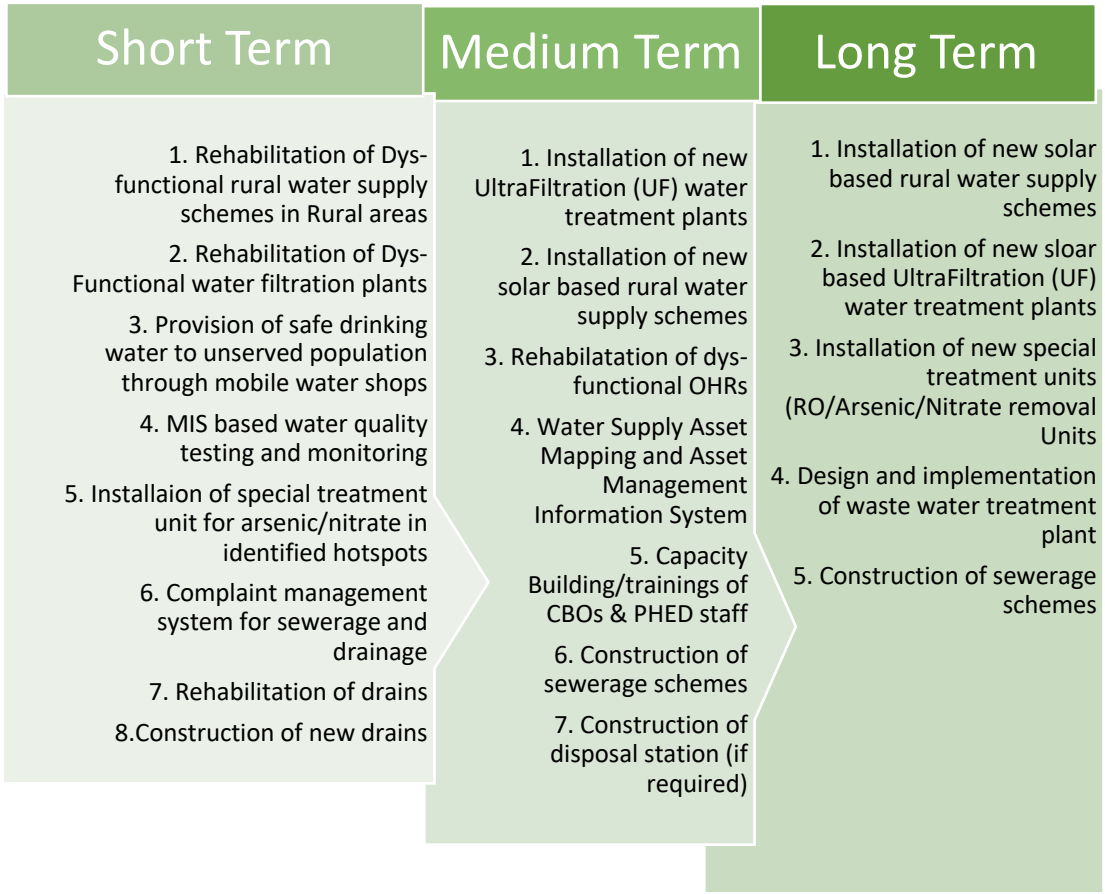


Figure 12: Proposed Interventions for Water and Sanitation sector

Gujranwala Regional Development Plan 2030



District Narowal

RURAL

4 Section-I Rural District Narowal Profile

4.1 Location Boundary

Narowal is one of the district among six districts of Gujranwala Division of Punjab. Rural area of Narowal district comprises of three tehsils namely (i) Tehsil Narowal that lies at 32°21′N and 74°54′ E; (ii) Tehsil Shakargarh that lies at 32°15′46″ N and 75°9′30″ E; and (iii) Tehsil Zafarwal that lies at 32°21′0 N and 74°54′0 E. Map of rural areas settlements at tehsils level is shown in figure 13. While Individual Tehsil level rural settlements maps of Narowal are attached as Annexure A.

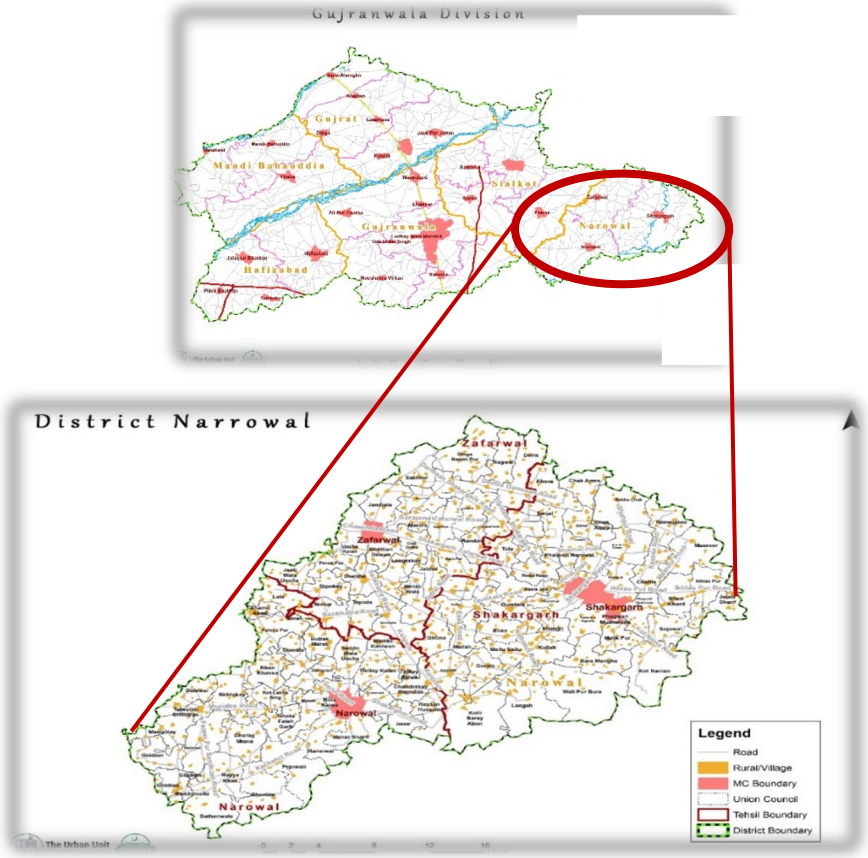


Figure 13: Boundary of Rural Narowal

4.1.1 Geography

District Narowal lies from 31° 55' to 32° 30' north latitudes and 74° 35' to 75° 21' east longitudes. The district is bound on the northwest by Sialkot district, on the north by Jammu State, on the east by Gurdaspur district (India) and on the south by Amritsar district (India) and Sheikhupura district.[i]

4.1.2 Area

Total area of the district is approximately 2,337 square kilometers. Narowal Tehsil stretches over 818 square kilometers whereas Tehsil Shakargarh stretches over 935 square kilometers. The remaining area measuring 584 square kilometers falls in newly created Zafarwal Tehsil.

4.1.3 Demography

According to 2017 census the Narowal District's population is 1,709,757 and only 15% resides in urban area. The rural population and households present in 1,311 villages of Narowal district as per census 2017 and projected population for next 10 year by considering population growth rate of 1.59[ii] is mentioned in the table below. The current male and female population is 49% & 51% of rural population of Narowal.

Table 4: Demography of Rural Narowal

		Population (2017)	HH (2017)	Estimated Population (2030)
Narowal District	**Rural**	**1,452,509**	**200,434**	**1,783,123**
Narowal Tehsil	Rural	460,862	63,605	565,761
Shakargarh Tehsil	Rural	591,929	81,372	726,661
Zafarwal Tehsil	Rural	399,718	55,457	490,700

4.1.4 Topography

Its land comprises of piedmont plains and adjoining plains of River Ravi, Deg, Bias and Basantar. Its' soils is silty and loamy.[iii] Narowal District is a part of Rachna Doab. Primary source of surface water for Narowal District is River Chenab. With an extensive canal system, off-taking from Marala Barrage irrigates agricultural lands of the district.

4.1.5 Climate

Narowal is located in the sub humid climatic zone of Pakistan. Summer season starts from April and continues till October. Hottest months are May, June and July. Temperature during these months varies between 40 and 43 degrees. The Narowal District has moderate climate. During peak summer, the day temperature shoots up to 43 °C, but the hot spells are comparatively shorter due to proximity to the Azad Kashmir mountain range. Coldest months are December, January and February in which minimum temperature was less than 8 °C in January 2020. The winter months are very pleasant and the minimum temperature falls below 8 °C. Temperature variation over last 10 years is presented in figure 12. It can be observed that the average temperature has seen a raise of approximately 5 degrees in the last two years of this decade. Maximum average rainfall was recorded of 245 mm in August 2020 in Narowal during 2019-2020. [iv]Pakistan District

Level Climate Risk and Hazard Assessment Classification in ADB study 2017 revealed flood risk as high; cyclone as low; and drought risk as very low in Narowal Punjab.

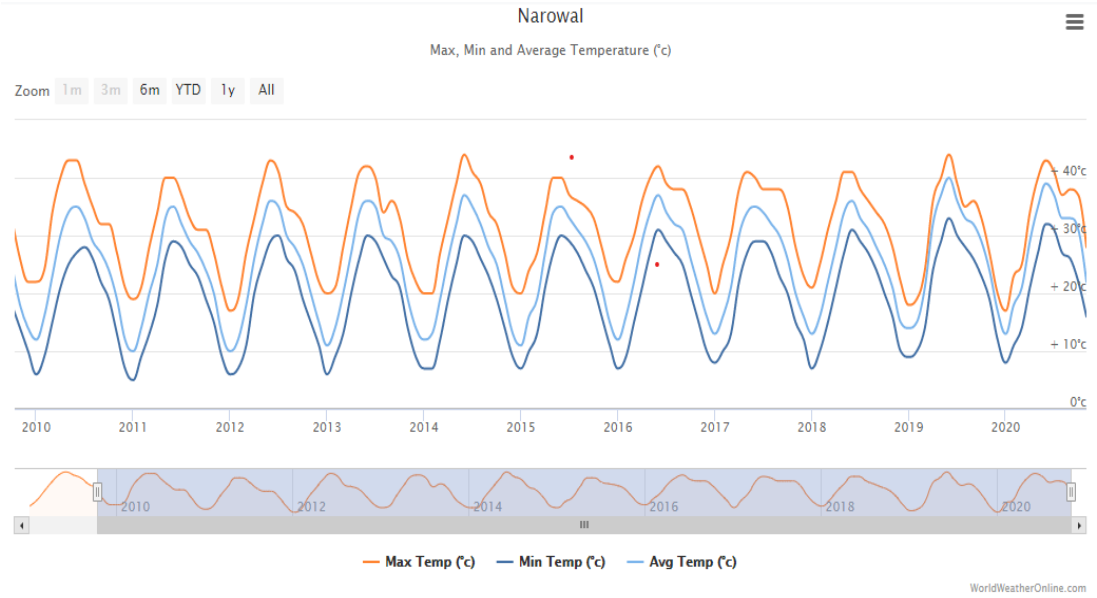


Figure 14: Temperature Variation Trend in Narowal

4.2 Section-2 Water Supply System

Narowal District is a part of Rechna Doab in Punjab. Primary source of surface water for Narowal Districts is River Chenab. The extensive canal system, off-taking from Marala Barrage irrigates agricultural lands of the district. Name of the main canal irrigating the area is Upper Chenab Canal and Marala-Ravi Link Canal. The surface water is usually not used for drinking purposes.

Groundwater present in the Narowal district is currently being used as a source of drinking water and it majorly comprises of fresh water zone. Secondary analysis of groundwater quality in 2016 revealed 10-12% TDS contamination, while arsenic, nitrate and fluoride contamination was showed with minimum percentages in some areas. However, Microbiological and physiochemical assessment of groundwater carried out in 2014 showed the presence of total and fecal coliform of 48 and 39 MPN/100 ml in groundwater of Narowal indicating presence of microbial contamination while no trace metal was found in ground water. Improved drinking water in rural Narowal with contribution of 5 % tap water; 25 % hand pump and 70 % motor pump was present as per PSLM 2012-13's survey. As per the collected data, the mode of sanitation had 76 % Flush; 2% Non-flush; and 22 % no toilet in rural area of Narowal. Open Defecation Free (ODF) in rural Narowal status is 20% according to MICS 2011.

Major information acquired from Xen-PHED Narowal on current rural water supply system 2020 in Narowal is articulated in table 6.

Table 5: Rural Water Supply System in Narowal

Sr. No.	Item	Value
1	**Coverage**	
(i)	Water supply coverage area	80 km^2
(ii)	Population	333070 No's
(iii)	No of zones	77
2	**Ground Water (tube wells based system)**	☑ Yes ☐ No
(i)	No of Tube Wells	Total No. 79
(ii)	Capacity of Functional Tube Wells	0.5 cusec/Each
3	**Surface Water (filter based system / waterworks)**	☒ Yes ☑ No
4	**Water Filtration Plants**	
(i)	No of Water filter plants (UF)	Total No. 302
(ii)	Total water demand	8.326 MGD
(iii)	Duration (Supply Hours)	2.5 to 3 Hrs.
(iv)	Operate by:	CBOs
(v)	Maintained by:	CBOs
(vi)	No of Water filter plants	Total No. 302
5	**Connections**	
(i)	Domestic Connection	9630
(ii)	Metered Connections	NIL
(iii)	Hypo chlorinator	YES

Sr. No.	Item	Value
6	**Water Consumption**	
(i)	Per Capita water Consumption	15 gpcd
(ii)	Total Water Consumption	4.996 MGPD
(iii)	No of Overhead Reservoirs	Total No. 21 (10 F + 11 DF)
(iv)	Capacity of Overhead Reservoirs	0.210 M GPD
(v)	Ground Water Storage Tank	NIL
7	**Water Distribution Network**	
(i)	Type of Distribution pipe network	3-4-6 Inch (Type: e.g. PVC)
(ii)	Approximate pipe length	70 km
8	**Staff**	
(i)	Total Staff for W/S Management	10
(ii)	Technical Staff	04
(iii)	Non-technical Staff	06
(iv)	Maintenance Teams	01
(v)	Staff/1000 Population for Water Connections	01
9	**Others**	
(i)	Is there any MIS system for assets management?	☐ Yes ☒ No
(ii)	Is there any MIS system for water quality monitoring?	☐ Yes ☒ No
(iii)	Is any water quality lab available?	01 No's

4.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. Water supply is being provided via distribution lines with little coverage in rural areas. PHED's design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level's water demand is calculated because of scattered settlements present at farthest distance from each other. Around 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 6: Water Demand in Narowal

Population	Water demand	Population	Water demand	Population	Water demand
Up to 5000	10 gallons	5,001-10,000	15 gallons	10,001-20,000	20 gallons

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	2030	2020	2030
Total Rural	100,179,117	116,983,357	4,827,343	5,652,206
Narowal	32,315,844	38,132,696	1,531,699	1,793,426
Shakargarh	40,071,647	46,534,816	1,967,120	2,303,255
Zafarwal	27,791,626	32,315,844	1,328,517	1,555,525

4.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in Narowal tehsils is groundwater. Total 77 Rural water supply schemes are currently present for provision of water supply. Furthermore, 272 rural water filtration plants (RWFPs) are also installed by PHED.

4.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. Distribution of RWSS in three tehsils of Narowal is given below in figure 15

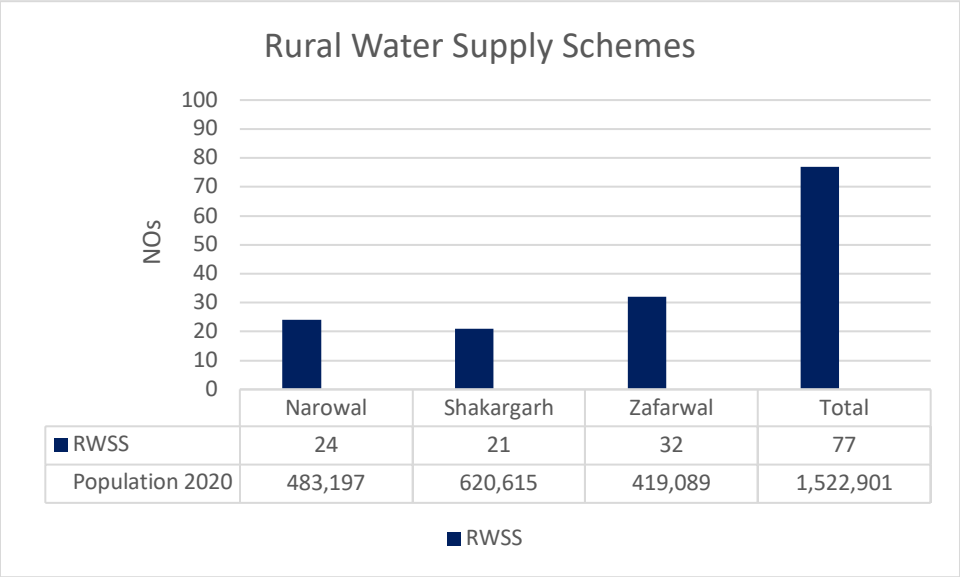


Figure 15: Total Rural Water Supply Schemes (RWSS) in Narowal

All 77 RWSS installed by PHED in three tehsils of Narowal are currently run and maintained by Community Based Organizations (CBOs) present in the area. Currently, 33 water schemes are in working condition while 44 schemes are non-functional among all 77 water schemes in rural areas of Narowal district. Detail of CBOs managing RWSS in three tehsils of Narowal is given at Annexure A. Furthermore, currently 9 schemes are temporarily dysfunctional due to non-payment of dues which are claimed to become functional in the near future.

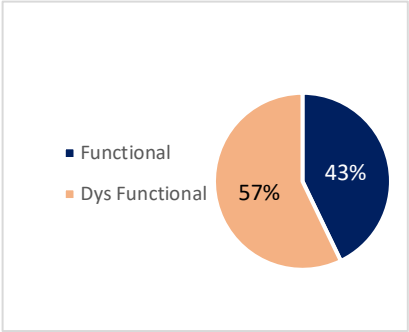


Figure 16: Functional & Dys-Functional Water Schemes (%) in narowal

Furthermore, functionality of RWSS in % age in 3 tehsils of Narowal is illustrated in figure 17. It is observed that 65% water supply schemes are non-functional in Zafarwal which require serious attention towards its rehabilitation and to ensure water coverage to rural population. Among 24 water schemes 14 are in functional state while 10 are non-functional in Narowal tehsil; similarly, among 21 installed schemes in Shakargarh 08 are working while 13 are non-functional; and in Zafarwal among 32 water supply schemes 11 are functional and 21 are non-functional.

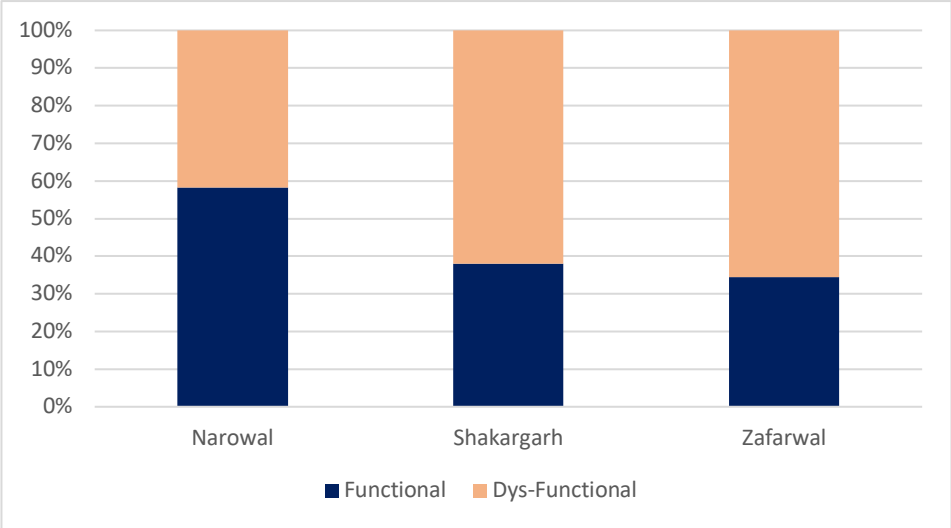


Figure 17: Working Condition of Water Supply Schemes in Narowal

All functional RWSS installed in Narowal area are present in sweet water zone as per data provided by PHED. Number of schemes installed in different time phases is presented in figure 16. Major reason of dysfunctionality of the schemes is old age of infrastructure. A major number of schemes which are currently in non-functional state were installed before the year 2000.

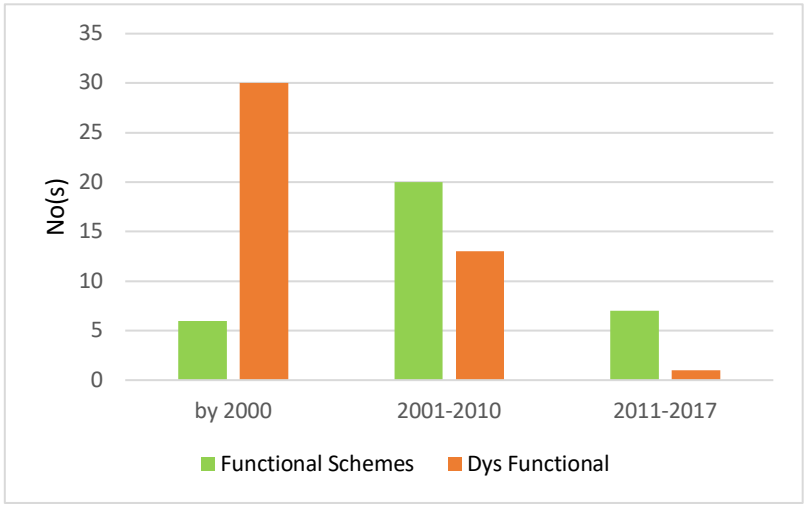


Figure 18: Installation period of Water Supply Schemes in Narowal

It is noticed in PHED data that among 44 dysfunctional schemes, 9 RWSS (4 in Narowal; 1 in Shakargarh; and 4 in Zafarwal) are temporarily non-functional, due to leakages; high voltage of electricity & damaged transformer or motor; non-payment of wapda dues; and non-installation of the household's connections, which can be of highest priority to make them functional. The plight of the system is such that the reported 35 dysfunctional schemes have been in such a statefor a long time now. Reasons of failure of RWSS are illustrated in figure 19. Mostly schemes seem to be dys-functional due to damage to distribution system; source failure; and non-payment of electricity dues.

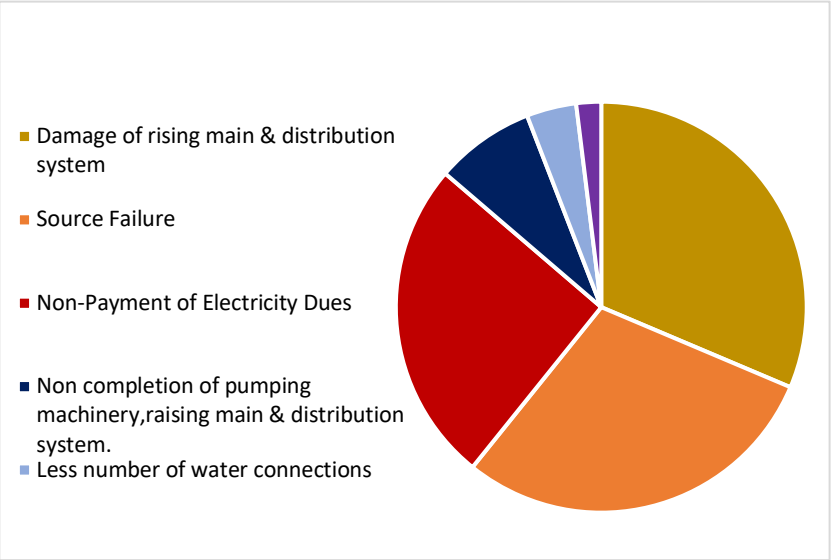


Figure 19: Reasons of Failure of Water Supply Schemes in Narowal

Spatial location of functional and dysfunctional water supply schemes installed in tehsils of Narowal are presented in maps (figures 20-22)

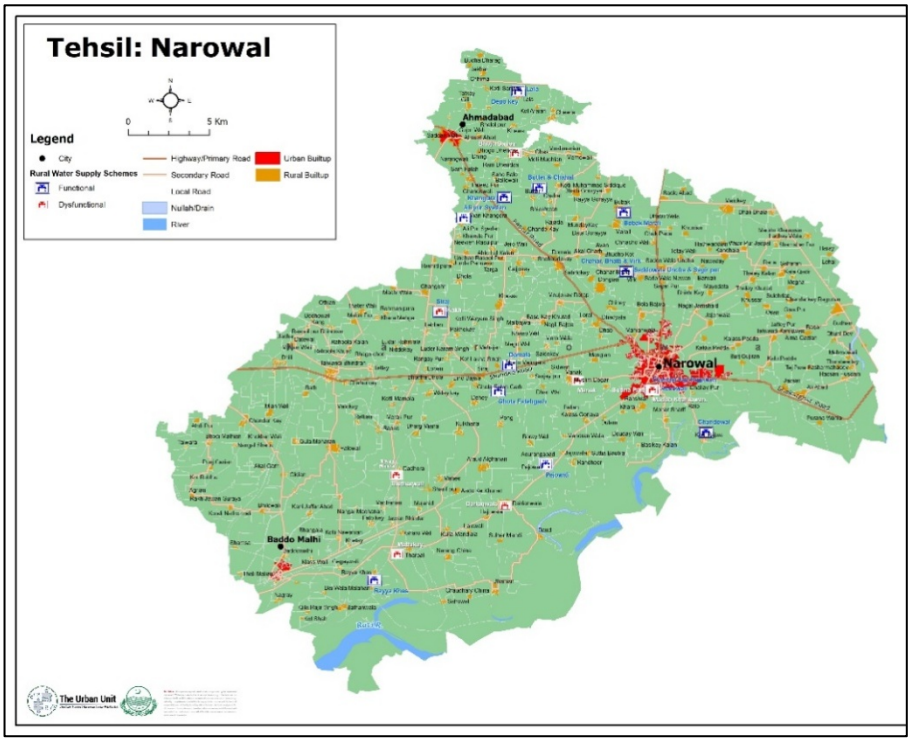


Figure 20: Mapping of Functional & Dys-Functional Water Schemes in Tehsil Narowal

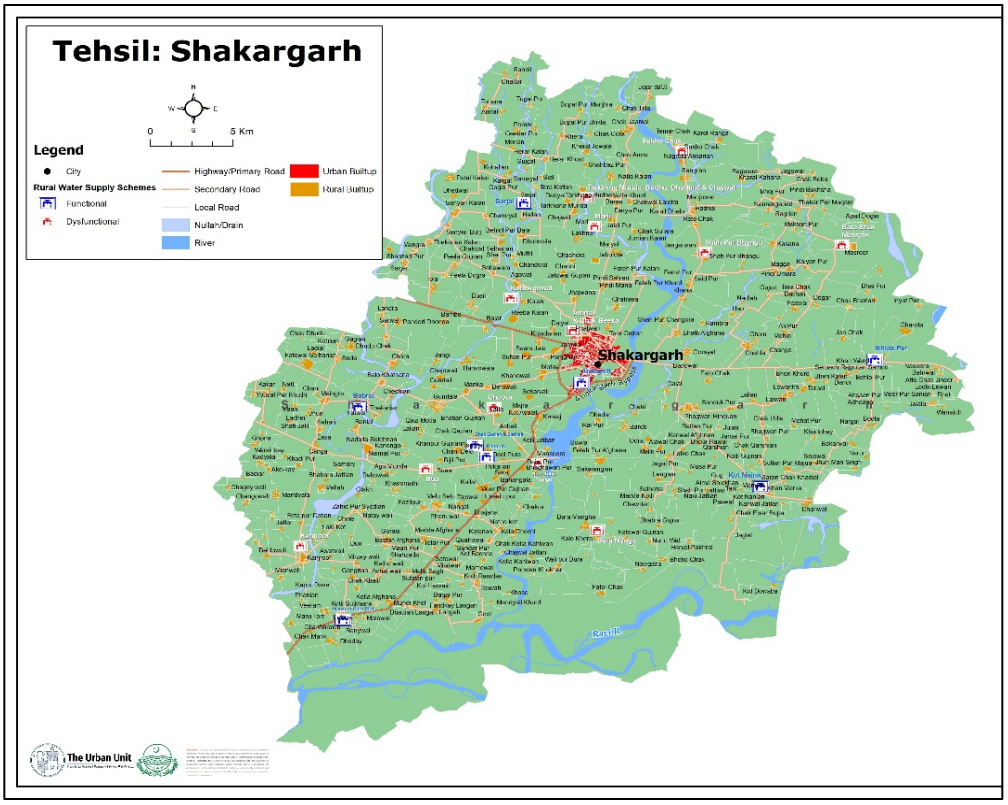


Figure 21: Mapping of Functional & Dys-Functional Water Schemes in Tehsil Shakargarh



Figure 22:Mapping of Functional & Dys-Functional Water Schemes in Tehsil Zafarwal

4.2.2.2 OHRs

There are 21 Overhead Reservoirs with 0.21 MGPD capacities. Amongst the present OHRsonly 10 are functional while the remaining 11 are non-functional.

4.2.2.3 Treatment Units

There are 272 ultra-filtration plants installed in three tehsils of Narowal from which currently just 73 (27%) water treatments plants are functional and remaining 199 (73%) plants are non-functional. These filtration plants are installed during 2002-2018 by PHED (23%), TMA (77%) and other agencies.

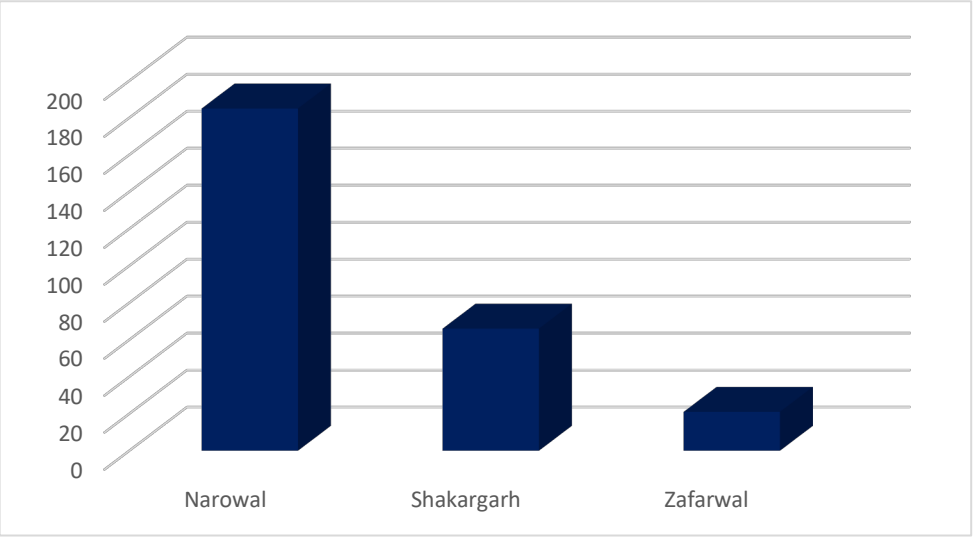


Figure 23: Number of Filtration Plants in Narowal

Functionality of filtration units in each tehsil is displayed in figure 22. Majority of treatment units are non-functional in Zafarwal. Large contribution of dys-functional filtration units need attention to rehabilitate and provide treated water to people.

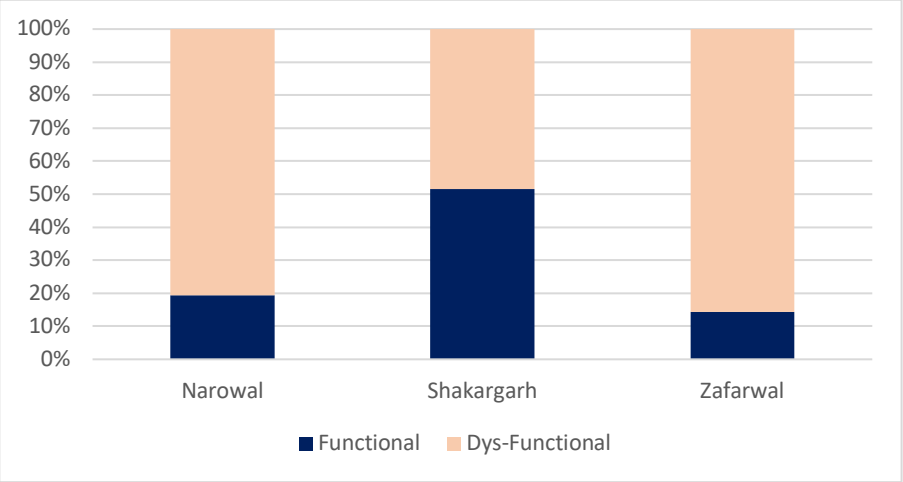


Figure 24: Functional & Dys-Functional Filtration Unit in Narowal

Spatially marked locations of water treatments plants in Narowal, Shakargarh and Zafarwal are presented in figures 25-27

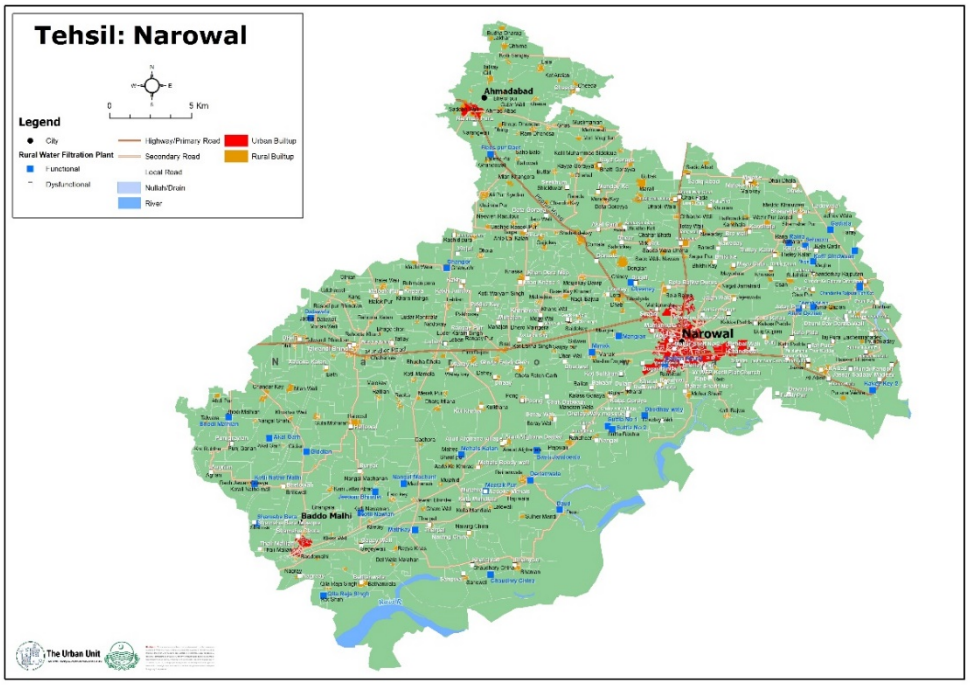


Figure 25: Mapping of Functional & dys-Functional Filtration Plants in tehsil Narowal

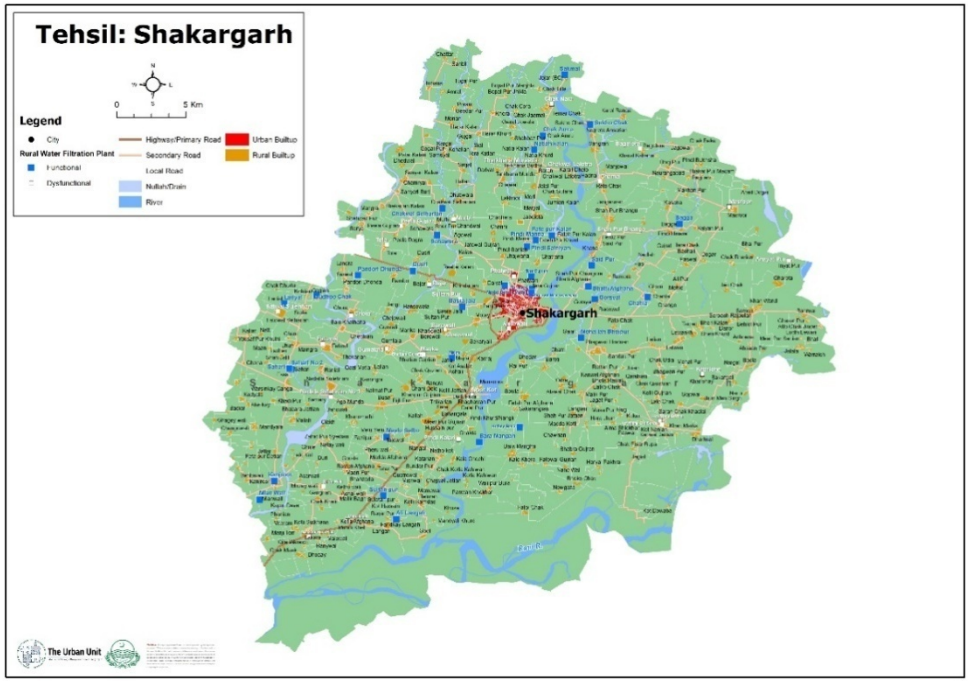


Figure 26: Mapping of Functional & dys-Functional Filtration Plants in tehsil Shakargarh

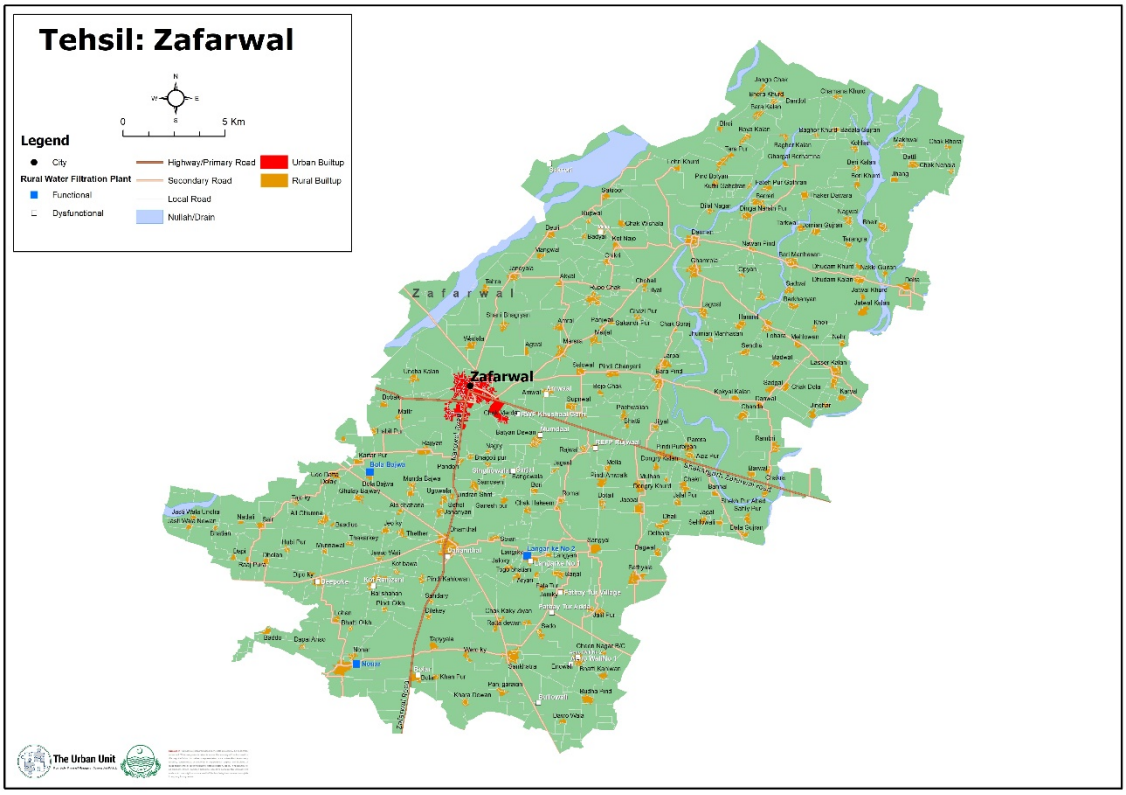


Figure 27: Mapping of Functional & dys-Functional Filtration Plants in tehsil Zafarwal

4.2.3 Water Quality Situational Analysis

One Water Quality lab is present in Narowal since 2009 where drinking water quality parameters are checked and monitored. Samples from water supply schemes, filtration units and general public household are received and tested.

4.2.3.1 Primary Water Quality Analysis

Multiple water quality parameters are being checked and monitored in Narowal PHED laboratory. Physical parameters include Odor, Color and Taste; Chemical parameters include pH, Turbidity, TDS, Arsenic, Fluoride, Iron, Nitrate, Calcium, Magnesium, Hardness, Alkalinity, Chlorine, Electrical conductivity and Sulphate; and Bacteriological parameters include Total Coliforms.

Water Quality Data on above mentioned parameters of 163 samples of Rural Water Supply Schemes and Rural Water Filtration Plants carried out in latest last 6 months is

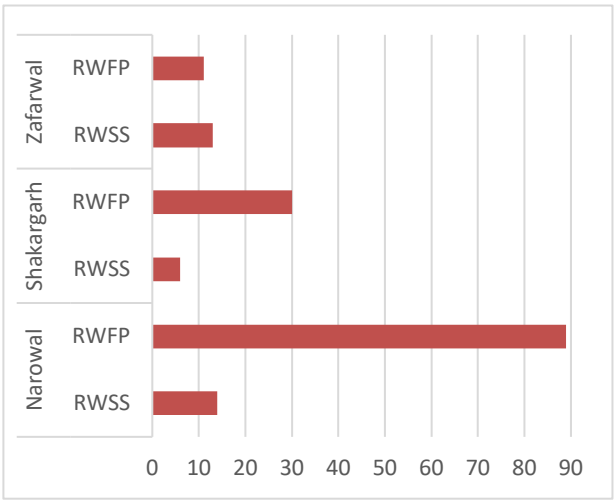


Figure 28: No of water samples tested in Narowal' PHED Lab

provided by PHED. Test analysis results reveal the safe water quality on existing functional infrastructure present in all three tehsils

All 18 water quality parameter results were in safe limits for all tested samples as expressed in graph below. Results indicate that water from all installed functional rural water filtration plants and rural water supply schemes are quite good enough for drinking purpose.

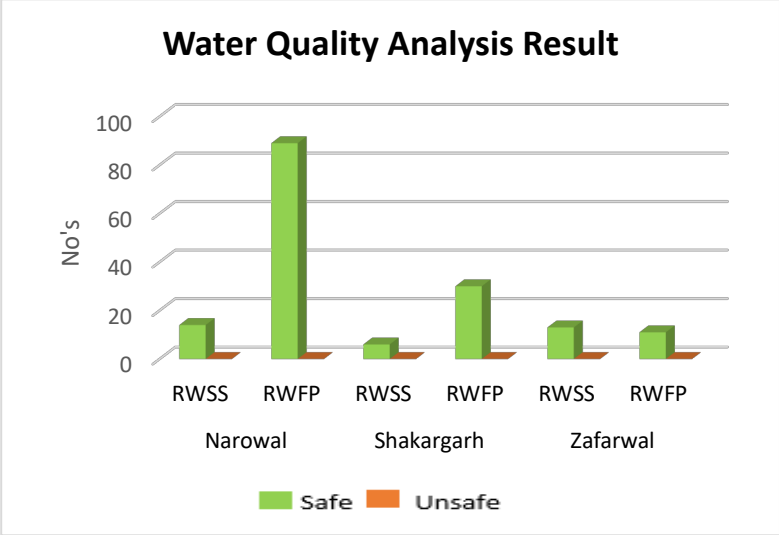


Figure 29: Primary Water Quality Results in Narowal

4.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 15,000 – 25,000 population of rural population may be at risk.

Narowal

Samples taken from 10-700 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only issue is of TDS exceeding value of 1000 ppm in Narowal where RO filtration Plants are required to purify the water.

Table 7: Secondary water quality results in Tehsil Narowal

Arsenic 0-100 ppb		**TDS 19-2806 ppm**		**Flouride 0-1.42 ppm**		**Nitrate 0.003-54 ppm**	
No of Samples							
Total	821	**Total**	821	**Total**	65	**Total**	64
0-10 ppb	799	**0-1000 ppm**	808	**0-1.5 ppm**	65	**0-50**	64
11--50 ppb	19	**1000-2000 ppm**	10	**>1.5 ppm**	0	**>50**	0
>50 ppb	3	**>2000 ppm**	3				
Safe	819	**safe**	808	**Safe**	65	**Safe**	64
Unsafe	3	**Unsafe**	13	**Unsafe**	0	**Unsafe**	0

Shakargarh

Samples taken from 10-455 ft of groundwater and parameters analysis result against NEQs is expressed in table. Minor areas are affected from arsenic and TDS in Shakargarh which need to be treated for provision of safe drinking water.

Table 8: Secondary water quality results in Tehsil Shakargarh

Arsenic 0-270 ppb		TDS 20-2100 ppm		Fluoride 0-1 ppm		Nitrate 0-250 ppm	
No of Samples							
Total	616	**Total**	616	**Total**	65	**Total**	55
0-10 ppb	602	**0-1000 ppm**	610	**0-1.5 ppm**	65	**0-50**	49
11--50 ppb	3	**1000-2000 ppm**	5	**>1.5 ppm**	0	**>50**	6
>50 ppb	11	**>2000 ppm**	1				
Safe	605	**Safe**	610	**Safe**	65	**Safe**	49
Unsafe	11	**Unsafe**	6	**Unsafe**	0	**Unsafe**	6

Zafarwal

Samples taken from 20-680 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall all parameters of drinking water seem to be safe except one or two sample points in Zafarwal.

Table 9: Secondary water quality results in Tehsil Zafarwal

Arsenic 0-50 ppb		TDS 100-1608 ppm		Flouride 0-1.21 ppm		Nitrate 0-62 ppm	
No of Samples							
Total	299	**Total**	299	**Total**	38	**Total**	38
0-10 ppb	290	**0-1000 ppm**	297	**0-1.5 ppm**	38	**0-50**	36
11--50 ppb	9	**1000-2000 ppm**	2	**>1.5 ppm**	0	**>50**	2
>50 ppb	0	**>2000 ppm**	0				
Safe	299	**Safe**	297	**Safe**	38	**Safe**	36
Unsafe	0	**Unsafe**	2	**Unsafe**	0	**Unsafe**	2

While graphical representation of water quality parameters analysis is presented over here in figures.

Arsenic: Arsenic is one of the important parameters in water qualitywhich is usually measured against WHO guideline value of 10 ppb and National Environmental Quality Standard value of 50 ppb. Percentage level of exceedance of arsenic concentration in three tehsils of Narowal can be visualized in figure 28

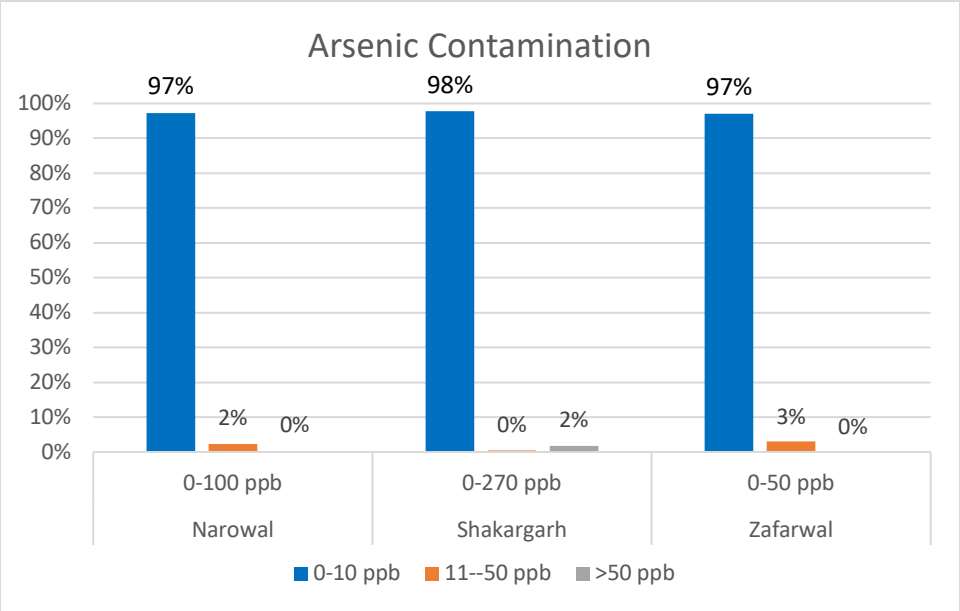


Figure 30: Graphical representation of Arsenic Contamination in Narowal

Total Dissolved Solids (TDS): TDS is measured against NEQs value of 1000 ppm. It can be derived from results over here that only 1% samples constitute brackish zone where TDS>1000 ppm.

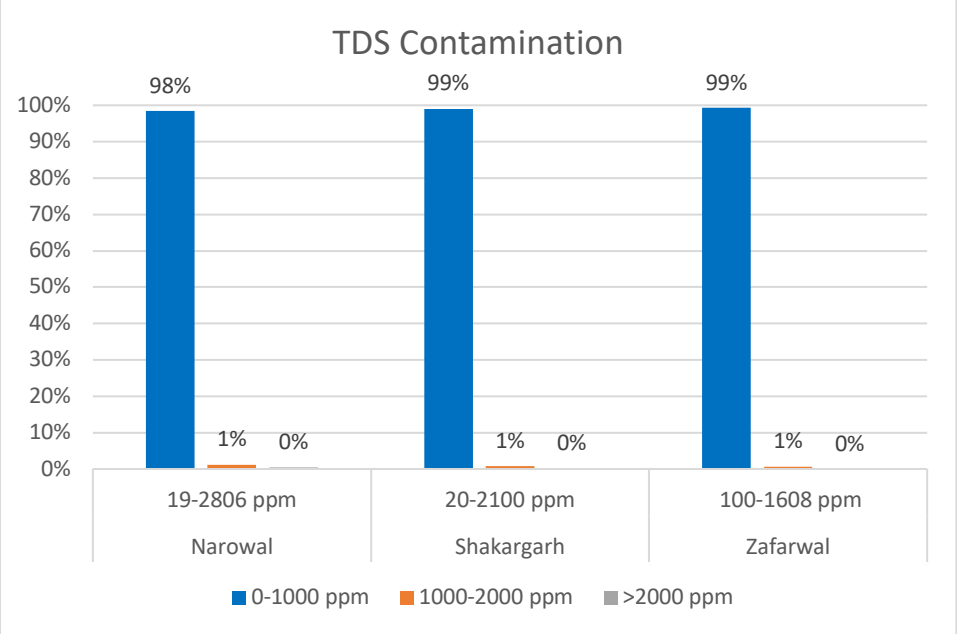


Figure 31: Graphical representation of TDS Contamination in Narowal

Nitrate: Nitrate is an important parameter in groundwater that is measured against standard value of 50 ppm. Naitrates contamination has the tendency to cause methemoglobinemia. On inspection, startling results from Shakargarh were recorded as 11% of the samples exceeded the 50 ppm while only 5% of minimum contamination was present in Zafarwal.

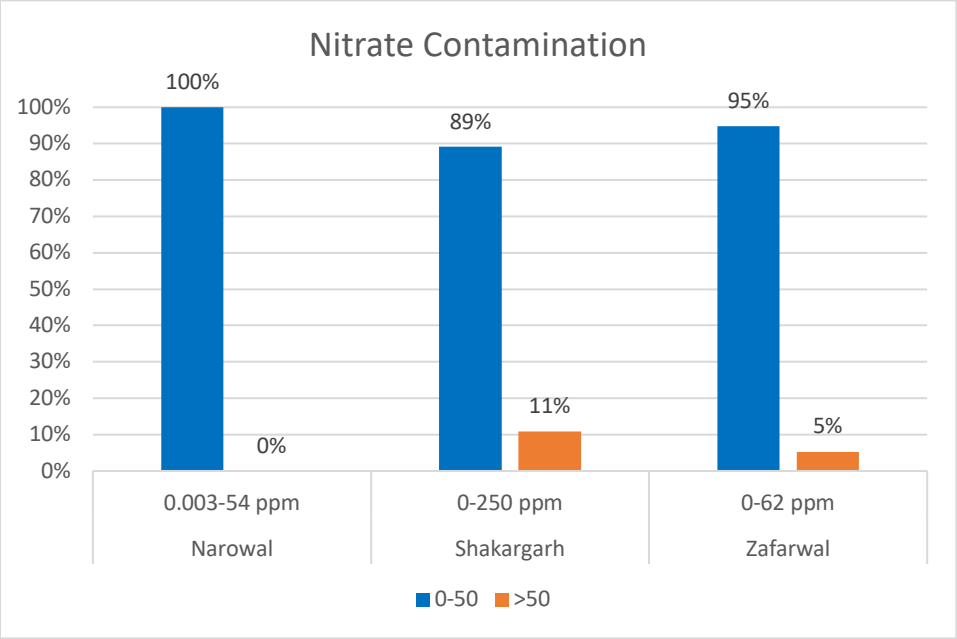


Figure 32: Graphical representation of Nitrate Contamination in Narowal

Fluoride: Fluoride is measured against standard value of 1.5 ppm of NEQs. All samples were in within the permissible limits as measured in three tehsils of Narowal.

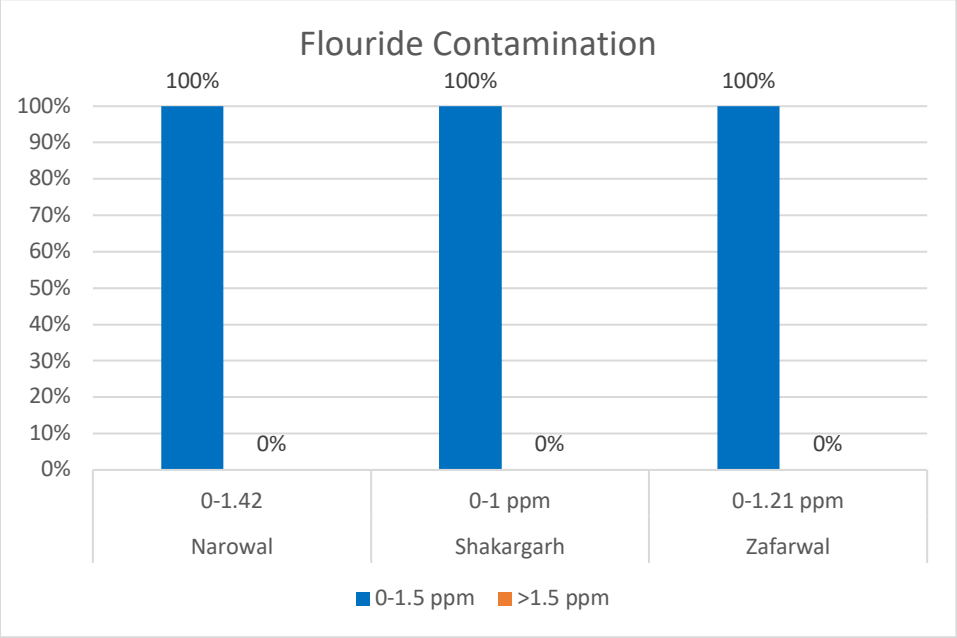


Figure 33: Graphical representation of Flouride Contamination in Narowal

Spatially mapped secondary water quality data is drawn and attached at Annexure C.

4.2.4 Service Delivery Challenges

Currently there are many challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas of Narowal.

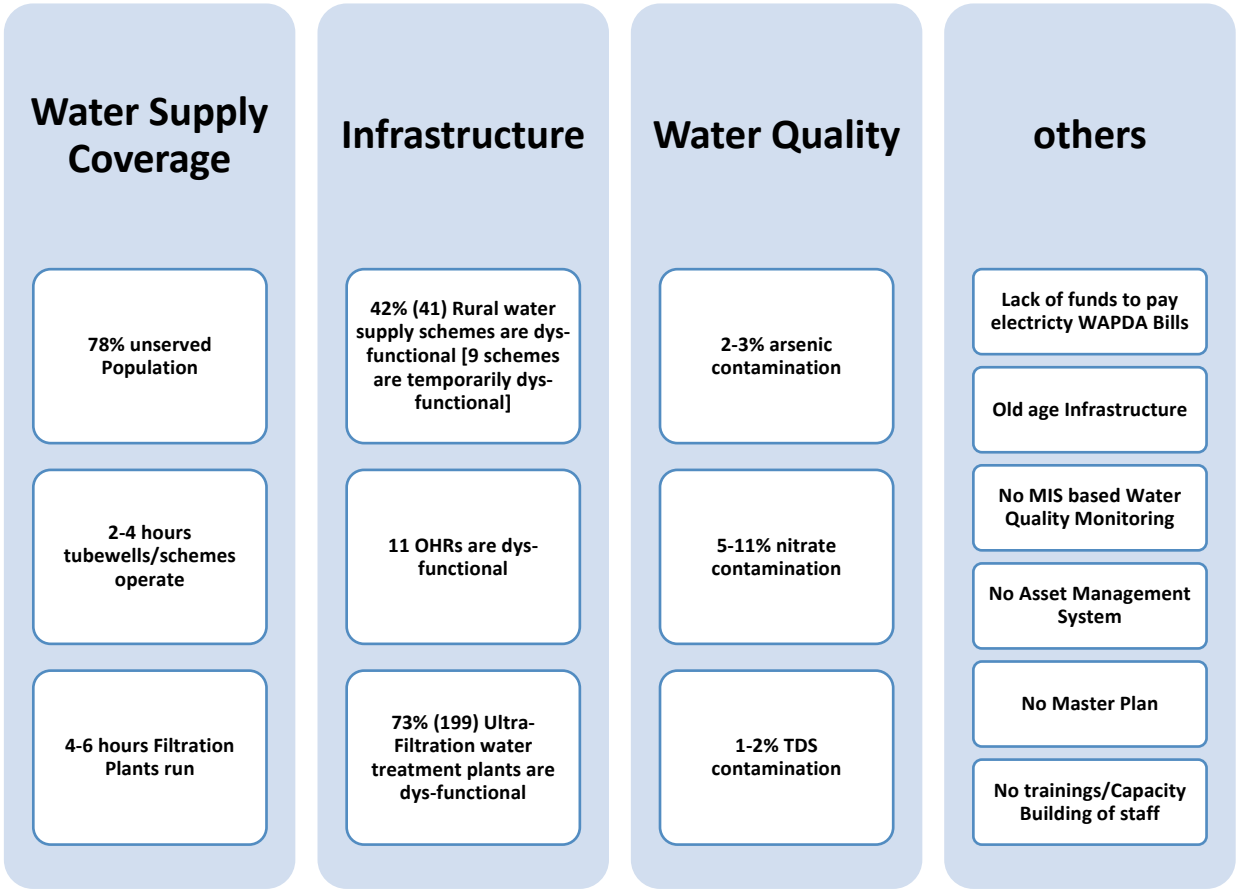


Figure 34: Service Delivery Challenges in Narowal

4.2.5 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in Narowal district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural Narowal are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

4.2.5.1 Infrastructure Requirements Assessment

Currently, roughly three lac of the population is being served with water supply which means that only 20-22% of the inhabitants are being served while remaining 78% rural population is still unserved. Rural water supply schemes are present only in 42 villages out of 1311 in rural areas of Narowal district. There are only 9000 water connections present. Furthermore, 199 (73%) Ultra-

filtration plants installed are also dys-functional which need special attention to provided treated safe drinking water to people in villages.

First Priority will be given to villages where neither water supply schemes are present nor water filtration units exist, then **second priority** will be the villages where UF plants are non-functional and the **third priority** will be given to villages where water schemes are non-functional and so on. Maps of tehsils with functional and non-functional infrastructure are illustrated for priority areas of interventions.

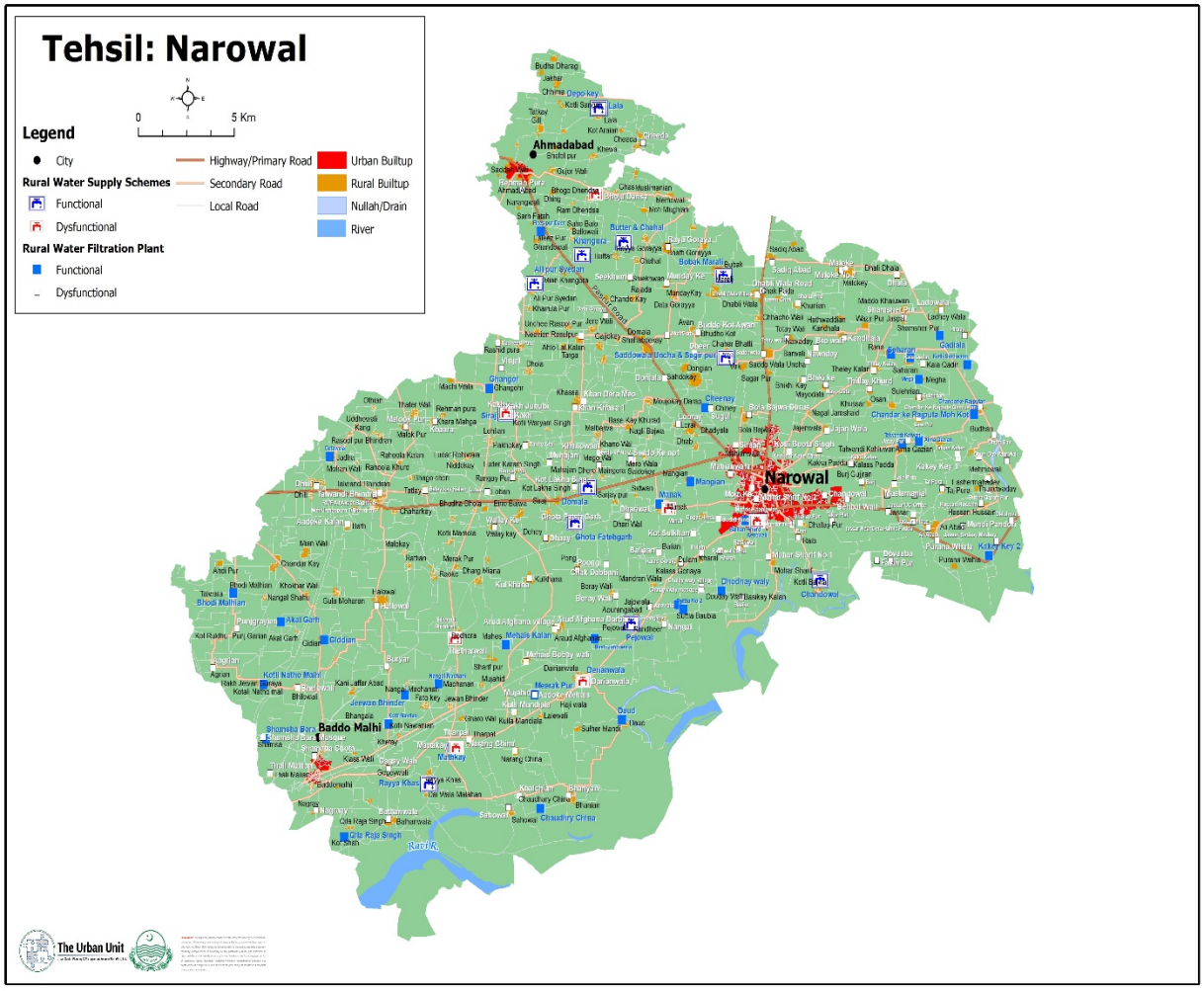


Figure 35: priority areas of interventions in Narowal

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Narowal rural area as per PHED water supply criteria.

Table 10: Water Supply Schemes Requirement (No's) in Narowal

New RWSS Requirements by 2030 in Rural Narowal				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1 cusecs	28	>5000	31	34
0.5 cusecs	193	2000-5000	51	193
0.5 cusecs combine clusters based schemes	935	10 - <2000	81	170
Total	**1,156**		**163**	**397**

Table 11: Water Treatment Units Requirement (No's) in Narowal

New UF water Filtration Units Requirements by 2030 in Rural Narowal				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	28	>5000	103,304	52
1000	106	2500-5000	177,721	166
1000 (cluster based sahulat centre plants)	1,022	10-<2500	531,218	535
Total	**1,156**		**812,243**	**753**

4.2.5.2 Water Quality and treatment

Based on past secondary data analysis, following villages have been identified where water quality parameters were exceeding standard limits, which can be evaluated on actual real time basis and arsenic, nitrate removal filters and RO plants can be installed as per actual need.

Table 12: Identified Hotspot villages of poor water quality in Narowal

Water Contamination Hotspots			
	TDS	**Arsenic**	**Nitrate**
Narowal	1100-2800 ppm • Sulehrian • Hari Chandpura • Chandol • Ahmed Abad • Gujaranwali • Machhane	100 ppb • Mohar Sharif • Mahes	N/A

Water Contamination Hotspots			
	TDS	**Arsenic**	**Nitrate**
	• Kotli Muhammad Siddiq • Khamuwali • Ahmed Abad		
Shakargarh	1100-2100 ppm • Naina kot • Tarapur • Phulwari • Danori • lalwan • khotha khurd	100-270 ppb • jagyal • pawan • Blaach • dera haji pur • kot doaba • naina kot • Sahan pur • mirza wali • ali langah • hakeem pura • mangi toor	100-250 ppm • tarapur • Danori • Essa • phulwari • bilal nagr • talan manjla
Zafarwal	1400-1600 ppm • Budha Pind • Bola Bajwa	50 ppb • Pindi Chinyani	62 ppm • Supenwal

4.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. The mode of sanitation in rural Narowal was 76 % Flush; 2% Non-flush; and 22 % no toilet. Open Defecation Free (ODF) in rural Narowal status was 20% according to MICS 2011.

4.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from Xen-PHED Narowal on rural sanitation system 2020 in Narowal is articulated in table below:

Table 13: Sewerage and Drainage System in Narowal

Sr. No.	Item	Value
1	**Sewerage Coverage**	
(i)	Area	15%
(ii)	Population	15%
(iii)	Approximate Length of Total sewers	Handed over to LG
(iv)	Size (Diameter Rage)	9" - 42"
(v)	No. of Disposal Station	Nil
2	**Drainage Coverage**	
(i)	Area	45 %
(ii)	Population	45 %
(iii)	Approximate open sewage drains	Main Drains 400 km Small Drains 1600 km
(iv)	Approximate covered sewage drains	NIL
3	**Effluent/Discharge**	
(i)	Total Effluent/Discharge	329 Cusec
4	**Pumping Arrangements**	
(i)	No of Pumping Stations	NIL
(ii)	No of Pumps	NIL
(iii)	Total Pumping Capacity	NIL
5	**Treatment Arrangements**	
(i)	No of Waste water treatment Plant	NIL
(ii)	Waste Water Treatment Plant Capacity	NIL
(iii)	Type of Waste Water Treatment Technology	NIL
(iv)	Knowledge of waste stabilization ponds?	☐ Yes ☑ No
(v)	Land availability for Waste stabilization ponds?	☐ Yes ☑ No
6	**Connections**	

Sr. No.	Item	Value
(i)	Total Connections	N/A
(ii)	Domestic	N/A
(iii)	Commercial/Industrial	N/A
7	**Recipient Body**	
(i)	Ultimate Discharge Points	Natural Water courses + Nullahs + Drains.
8	**Staff**	
(i)	Total Staff for Management	Nil
(ii)	Technical Staff	Nil
(iii)	Non-technical Staff	Nil
(iv)	Maintenance Teams	NIL
(v)	Pipe Breaks /Month	NIL
(vi)	Complaints /Month	5 to 10
(vii)	Staff/1000 Population for Sewerage Connections	NIL

4.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increase Coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Construction of disposal station
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Complaint management system for sewerage and drainage

4.4 Rural WSS Interventions Proposed for Narowal

Following interventions are proposed based on current situation assessment and future requirements by 2030 in rural areas of Narowal.

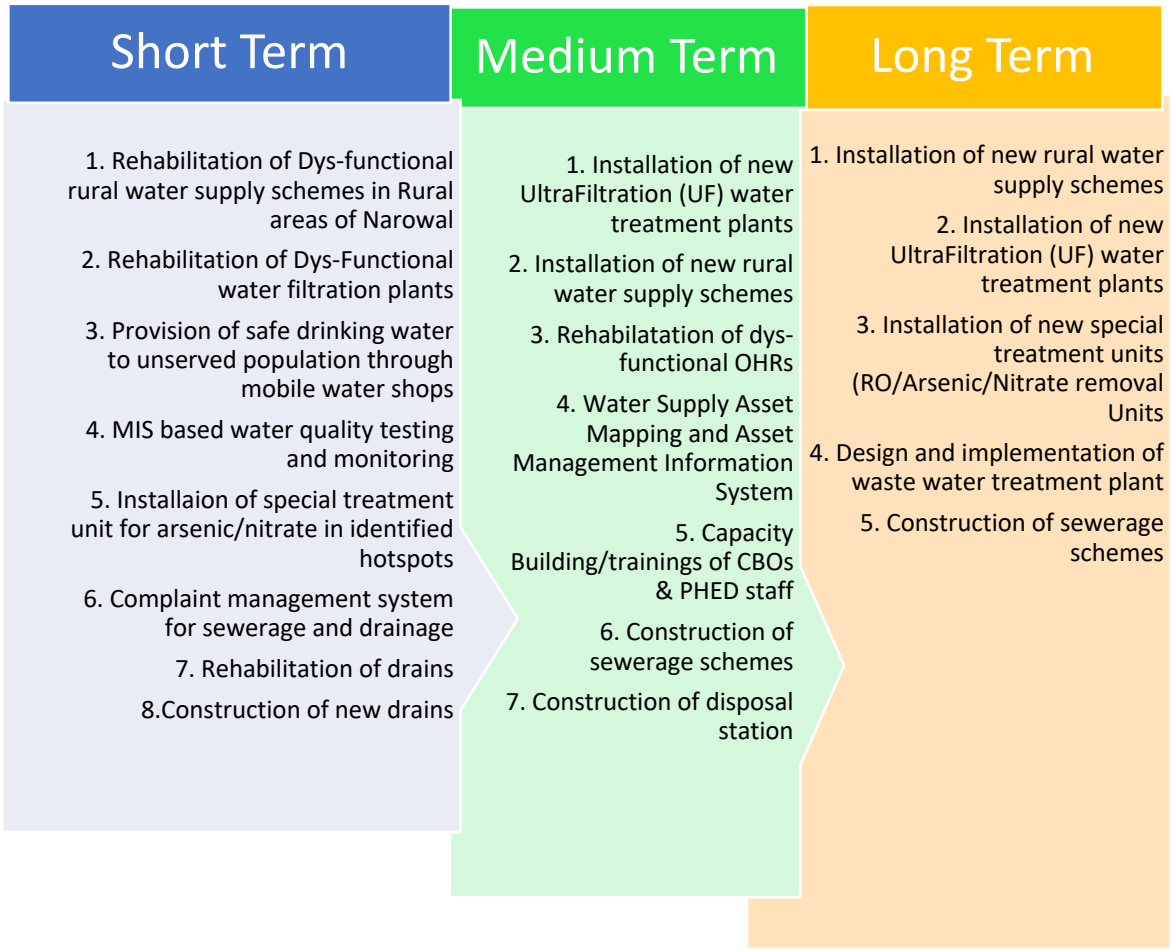


Figure 36: Proposed Interventions for Water and Sanitation sector in Narowal

4.5 Recommendations for WSS sector in Rural Narowal

Following short (0-3 years), medium (3-5 years) and long term (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of Narowal

4.5.1.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- Current fiscal year 14 Sewerage and drainage schemes of 739 Million PKR having on-going status in Rural Narowal which needs to be completed at first priority by allocation of remaining 705 Million PKR.
- Ensure enhanced coverage of groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Engagement of NGOs and private sectors to support CBOs
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders
- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage

4.5.1.2 Medium Term (3-5 years)

- Strengthen Community based Organizations (CBOs) through technical and financial support
- CBOs/PHED to ensure track progress of implementation of projects schemes and impact of development interventions
- Make sure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas
- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports
- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage

4.5.1.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level

- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of Narowal
- Seek for outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

4.6 Proposed Projects List for Rural Narowal (2020-30)

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 14: Project Digest (2020-2030) for Rural Narowal

Sr. No	Name of Project	Cost Million PKR	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 13 Dys-functional rural water supply schemes in Rural areas of Shakargarh	174.89	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Rehabilitation of 21 Dys-functional rural water supply schemes in Rural areas of Zafarwal	267.16	Short term	PHED	ADP
3	Rehabilitation of 10 Dys-functional rural water supply schemes in Rural areas of Narowal	131.66	Short term	PHED	ADP
4	Rehabilitation of 18 Dys-functional UF Plants in Rural areas of Zafarwal	96.46	Short term	PHED	ADP
5	Rehabilitation of 149 Dys-functional UF Plants in Rural areas of Narowal	798.49	Short term	PHED	ADP
6	Rehabilitation of 32 Dys-functional UF Plants in Rural areas of Shakargarh	171.49	Short term	PHED	ADP
7	Rehabilitation of 5 dys-functional OHRs	7.25	Short term	PHED	ADP
8	Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring	5.00	Short term	Urban Unit +PHED	Public Private Partnership (PPP)
9	Groundwater quality testing coverage in identified hotspot villages through mobile	40.00	Short term	Punjab Aab e Pak Authority	PPP

	lab and installation of at least one mobile special treatment unit (Arsenic filter /Nitrate filter/RO)			(PAPA) /PHED	
10	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Short term	Urban Unit +PHED	PPP
11	Completion of existing budget potfolio 14 sewerage and drainage schemes in rural areas	-	Short term	PHED/LG	ADP
12	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
13	Rehabilitation of 6 dys-functional OHRs	26.25	Medium term	PHED	ADP
14	Installation of 25 new solar based UF plants of 2000 l/hr in 10 villages (each having population greater than 5000)	141.43	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	China Pakistan Economic Corridor (CPEC)
15	Installation of 66 new solar based UF plants of 1000 l/hr in 33 villages (each having population 2500-5000)	340.93	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
16	Installation of 200 cluster based UF plant of 1000 l/hr with Groundwater storage tank and sahulat center in in 400 villages (each having population less than 2500)	1,159.00	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
17	Installation of 15 new rural water supply schemes having capacity of 1 cusec each in 9 villages (each village of having population greater than 5000)	176.15	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC

18	Installation of 50 new rural water supply schemes, each having capacity of 0.5 cusec each in 50 villages (each village having population of 2000-5000)	734.94	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
19	Installation of cluster based 50 new rural water supply schemes having capacity of 0.5 cusec each in 535 villages (each having population less than 2000)	1,009.22	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
20	Construction of sewerage and drainage schemes & disposal station in unserved villages	12.59	Medium term	PHED	ADP
21	Community Mobilization for creating awareness and promoting safely managed water and sanitation in villages	5.00	Medium term	LG/NGO/Public Sector/AJWA	PPP
22	Installation of 27 new solar based UF plants of 2000 l/hr in 18 villages (each having population greater than 5000)	152.74	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
23	Installation of 19 new rural water supply schemes having capacity of 1 cusec each in 19 villages (each village of having population greater than 5000)	361.56	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
24	Installation of 143 new rural water supply schemes, each having capacity of 0.5 cusec each in 143 villages (each village having	2,101.92	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP

	population of 2000-5000)				
25	Installation of 335 cluster based UF plant of 1000 l/hr with Groundwater storage tank and sahulat center in 622 villages (each having population less than 2500)	1,874.33	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
26	Installation of 100 new solar based UF plants of 1000 l/hr in 73 villages (each having population 2500-5000)	516.56	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
27	Installation of new special treatment units (RO/Arsenic/Nitrate removal Units	5.08	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
28	Installation of cluster based 120 new rural water supply schemes having capacity of 0.5 cusec each in 153 villages (each having population less than 2000)	2,589.11	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
29	Conduct feasibility study and Design and construction of wastewater treatment plant	6.94	Long term	PHED	CPEC
30	Construction of sewrage and drainage schemes in unserved villages	5.95	Long term	PHED	ADP

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4.6.1 Projects Digest for WSS in Rural Areas

Rehabilitation of Rural Water Supply Schemes (Sr. No 1, 2 & 3)

Category: Short Term (0-3 Years)

Scope:

The proposed project covers rehabilitation of 10 Dys-functional rural water supply schemes in Narowal, 13 in Shakaragarh and 21 in Zafarwal Tehsil. All schemes are present in sweet water zone. These schemes were dys-functional majorly due to damaged raising main, machinery damage and failure of source tube well. Rehabilitation will cover the replacement of old damaged machinery, installation of new raising main, installation of new chlorinator, pressure gauge, bulk water meter and construction of new tube well. Rehabilitation of these schemes will serve approximately 150,000 of the population belonging from 40 villages that are currently deprived of tap water. Implementation of the prosed projects will enhance water supply coverage by 10% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby or far-off water sources. The list of dysfunctional schemes and mapped points of schemes are given as follows.

Table 15: List of dys-Functional Schemes to be rehabilitated in Narowal

Name of Dys-Functional Scheme	Tehsil	Union Counicl Nmae and Uc No
Rural Water Supply Kakh	Narowal	Niddokey
Rural Water Supply Dharag Miana	Narowal	Dharag Miana
Rural Water Supply Khara Mega	Narowal	Niddokey
Rural Water Supply Darianwala	Narowal	Pejowali
Rural Water Supply Mattakay	Narowal	Bhanian
Rural Water Supply Talwandi Bhindran	Narowal	Talwandi Bhindran
Rural Water Supply Scheme Maddo hahlawan.	Narowal	Maddo Kahalwan
Rural Water Supply Scheme Manak	Narowal	Manak
Rural Water Supply Scheme Thetharwali	Narowal	Datewal
Rural Water Supply Scheme Bhoju Dansa	Narowal	Faleez Pur
Rural Water Supply Sukho Chak	Shakargarh	Sukho Chak
Rural Water Supply Bua	Shakargarh	Bua
Rural Water Supply Choora	Shakargarh	Gumtala
Rural Water Supply Bara Bhai Masroor	Shakargarh	Masroor
Rural Water Supply Morli	Shakargarh	Baran
Rural Water Supply Tarkhana Murida, Budhu, Dhadhial & Chajwal	Shakargarh	Baran
Rural Water Supply Amrial & Chak Beeka	Shakargarh	Phalwari
Rural Water Supply Bara Manga	Shakargarh	Bara Manga
Rural Water Supply Noor Kot & Maingri	Shakargarh	Maingri

Name of Dys-Functional Scheme	Tehsil	Union Counicl Nmae and Uc No
Rural Water Supply Kotli Aghwal	Shakargarh	Raiba
Rural Water Supply Kanjroor	Shakargarh	Kanjoor
Rural Water Supply Thakerian kalan & Khurd	Shakargarh	Tola
Rural Water Supply Scheme Shah Pur Bhangu	Shakargarh	Shah Pur Bhangu
Rural Water Supply Sathyalia	Zafarwal	Dudho Chak
Rural Water Supply Bara Pind Pargwal	Zafarwal	Bara Pind
Rural Water Supply Gamrola	Zafarwal	Gamrola
Rural Water Supply Sadwal,Opian & Barkhnian	Zafarwal	Gamrola
Rural Water Supply Mohlan	Zafarwal	Jabbal
Rural Water Supply Talan Lohara	Zafarwal	Lohara
Rural Water Supply Delra	Zafarwal	Dhelra
Rural Water Supply Bari Minhasan	Zafarwal	Gamrola
Rural Water Supply Budha Pind	Zafarwal	Sankhtara
Rural Water Supply Hamral	Zafarwal	Gamrola
Rural Water Supply Lagwal Minhasan	Zafarwal	Bara Pind
Rural Water Supply Darman	Zafarwal	Darman
Rural Water Supply Tapyala	Zafarwal	Tapyala
Rural Water Supply Dudham kalan & Khurd	Zafarwal	Nagwal
Rural Water Supply Pind Barhamnan	Zafarwal	Dinga Narien Pur
Rural Water Supply Nagwal	Zafarwal	Nagwal
Rural Water Supply Rambari	Zafarwal	Ramberi
Rural Water Supply Scheme Suppanwal	Zafarwal	Chak Dhadhu
Rural Water Supply Scheme Jandran harif	Zafarwal	Bhattian Dewan
Rural Water Supply Scheme Sangial.	Zafarwal	Mehlowala
Rural Water Supply Scheme Dhamthal	Zafarwal	Dhamthal

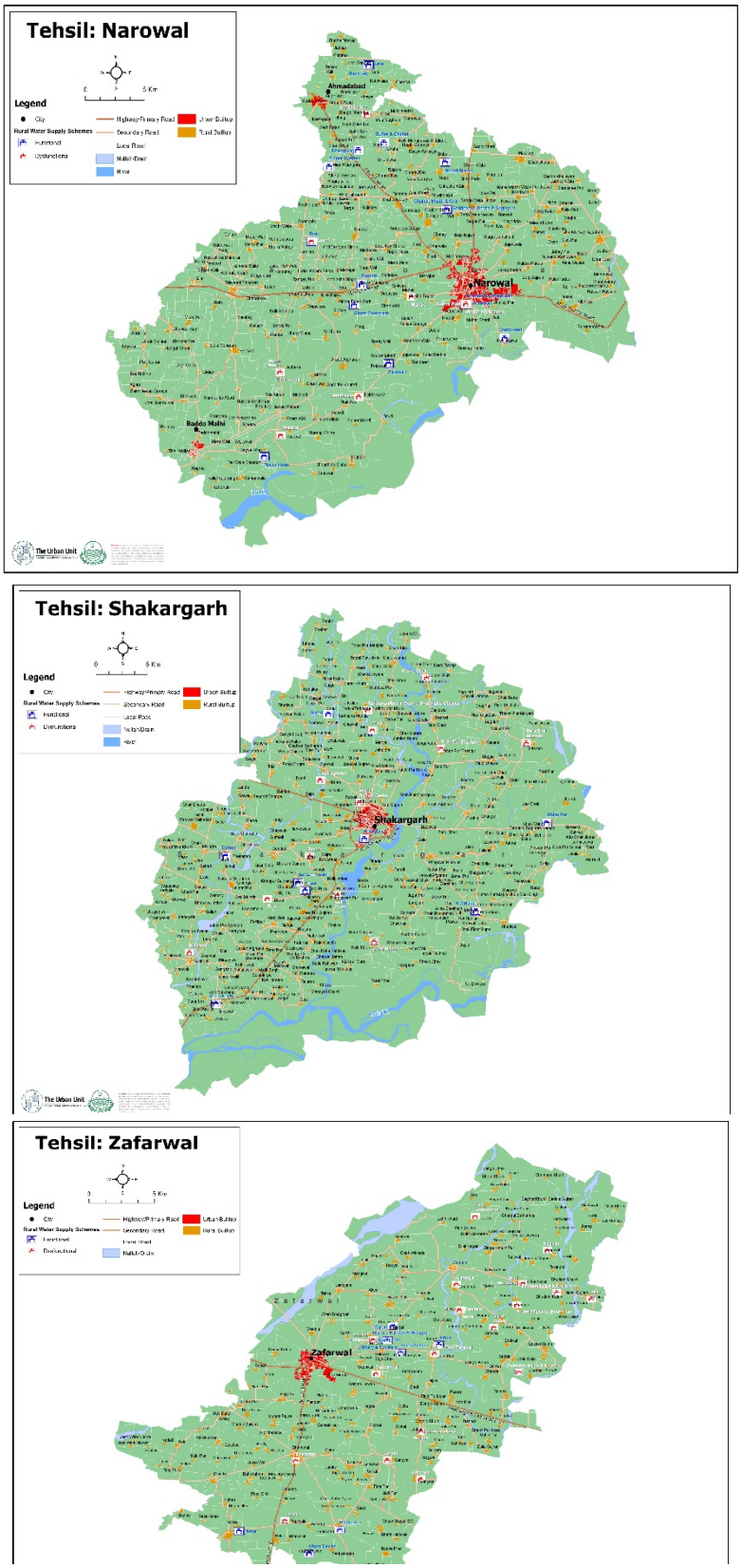


Figure 37: Map of Dys-Functional Schemes to be rehabilitated in Narowal

Rehabilitation of Rural Water Filtration Units (Sr. No 4, 5 & 6)

Category: Short Term (0-3 Years)

Scope:

It aims to provide clean drinking water facility based on minimum requirement set by World Health Organization, ensuring provision of potable water to rural households. The proposed project covers rehabilitation of 149 Dys-functional rural water treatment Ultrafiltration (UF) plants in Narowal, 32 in Shakaragarh and 18 in Zafarwal Tehsil. These all UF treatment units, each having capacity of 2000 l/hr, were installed by TMA and PHED during 2004- 2018 which are currently dys-functional due to poor maintenance and technical issues. Rehabilitation will cover full assessment of treatment plant including replacement of UF membranes, screen filter, filter media (carbon filter, sand filter), repair of feed pump, maintenance/replacement of treated storage tank, meters, pumps, as per requirement, borehole test, rehabilitation/installation of water source, backwashing process, electricity source, water quality testing of source water and treated water. Rehabilitation of existing treatment plant schemes will provide treated drinking water to approximately 350,000 population of 199 villages. Implementation of project will enhance drinking water supply coverage by 20% to unserved population. The provision of treated water will not only protect from diseases but also will save the time to fetch water from farther treatment unit. The List of dys-functional UF plants and their maps are given.

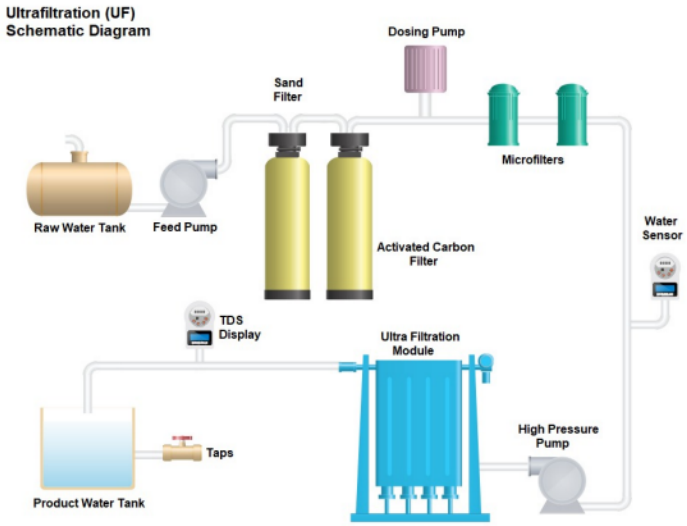


Figure 38: Schematic Diagram of UF plant

Table 16: List of Dys-Functional UF plants to be Rehabilitated in Narowal

Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Narowal	GOTHA FATEH ARH	RWFP Chak Dabbani

Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Narowal	PEJIWALI	RWFP Aurangabad
Narowal	BHANIAN	RWFP Tharpal
Narowal	MANGOLA	RWFP Dheli
Narowal	TALWANDI	RWF Ali Akbar Baghdad Moh Usmanpura
Narowal	GIDDIAN	RWFP Aagrian
Narowal	GIDDIAN	RWFP Shamaha Chota
Narowal	GIDDIAN	RWFP Bhelowali
Narowal	Bathanwala	RWFP Bathanwala
Narowal	Saddowala	RWFP Lasso Chak
Narowal	Saddowala	RWFP Bhalla Pind
Narowal	Hassan Hussein	RWFP Dalohozi
Narowal	Mado kalwan	RWFP Ladowala
Narowal	Mado kalwan	RWFP Shamsher Pur
Narowal	Hassan Hussein	RWFP Kakey Key 1
Narowal	Dharag Miana	RWFP Aadoke Mehais
Narowal	Raya Khas	RWFP Mujahid
Narowal	Talwandi Bhindran	RWFP Aadoke Kalan
Narowal	Kot Lakha Singh	RWFP Muhajan
Narowal	Dongian	RWFP Buddo Kot Awan
Narowal	Chandowal	RWFP Burj
Narowal		RWFP Kani Zafar Abad
Narowal	Baddo Malhi	RWFP Buryar
Narowal	Talwandi Bhindran	RWFP Hallowal
Narowal	Talwandi Bhindran	RWFP Talwandi Bhindra
Narowal	Talwandi Bhindran	RWFP Balay kay Kalan
Narowal	Ghoto Fateh Garh	RWFP Wallay Ke
Narowal		RWFP Luban
Narowal	Ghoto Fateh Garh	RWFP Ghota Fateh Garh
Narowal	Manak	RWFP Dhariwal
Narowal	Datewal	RWFP Khaara
Narowal	Ghangohar	RWFP Rehman Pura
Narowal	Ghangohar	RWFP Vinjal
Narowal	Ghangohar	RWFP Rasheed Pura
Narowal	Kot Lakha Singh	RWFP Kakh Junubi
Narowal	Kot Lakha Singh	RWFP Kakh
Narowal	Niddoke	RWFP Pakho Key
Narowal	Pejowali	RWFP Arud Afghana Darbar

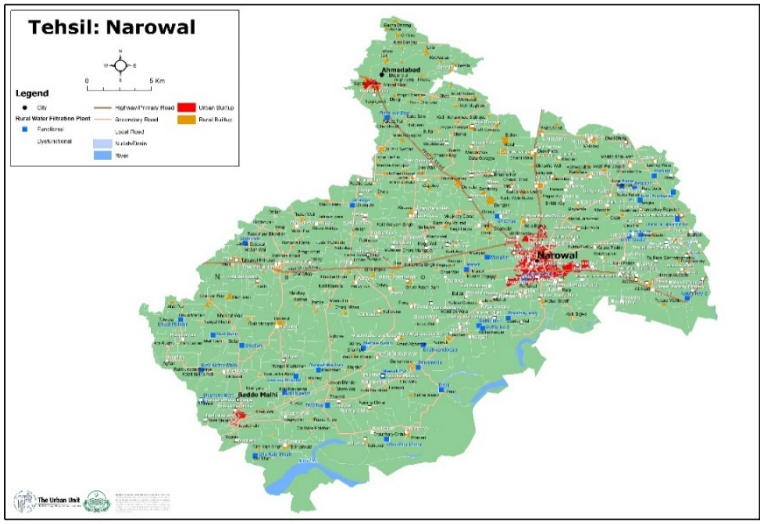
Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Narowal	Chandowal	RWFP Kaka Kalas
Narowal	Jassar	RWFP Ali Abad
Narowal	Saddowala	RWFP Sadiq Abad
Narowal	Saddowala	RWFP Dhabli Wala Village
Narowal	Saddowala	RWFP Dhabli Wala Road
Narowal	Bola Bajwa	RWFP Kotli Boota Singh
Narowal		RWFP Sahowal
Narowal	Raya Khas	RWFP Narang China
Narowal	Rayya khass	RWFP Kula Mundiala
Narowal	Bhathanwala	RWFP Gagay Wali
Narowal	Baddo Malhi	RWFP Thali Mallian
Narowal	Baddo Malhi	RWFP Shamsha Bara Mosque
Narowal	Rasinwal	RWFP Kot Sulkhan
Narowal	Manak	RWFP Baliaan
Narowal		RWFP Sulehr Mundi
Narowal		RWFP Nagraay
Narowal	Jassar	RWFP Purana Whala
Narowal	Hassan Hussein	RWFP Hussan Hussein
Narowal	Hassan Hussein	RWFP Jassar Sadaay Madeey
Narowal	Hassan Hussein	RWFP Budha Qayam Pur
Narowal	Hassan Hussein	RWFP Thun Wudday
Narowal	Jassar	RWFP Mundi Pandori
Narowal	Khan Khasa	RWFP Khan Dera Meo
Narowal	Domala	RWFP Ahlo Laal
Narowal	Domala	RWFP Domala
Narowal	Dongian	RWFP Mojo Ke
Narowal	Dongian	RWFP Looray
Narowal	Dongian	RWFP Virk
Narowal	Dongian	RWFP Dheer
Narowal	Dongian	RWFP Akal Garh
Narowal	Bubak	RWFP Data Goraya
Narowal	Bubak	RWFP Munday Ke
Narowal	Bubak	RWFP Raya Goraya
Narowal	Bubak	RWFP Seekhum
Narowal	Bubak	RWFP Cheeda
Narowal	Pejowali	RWFP Arud Afghana village
Narowal	Ghoto Fateh Garh	RWFP Poong

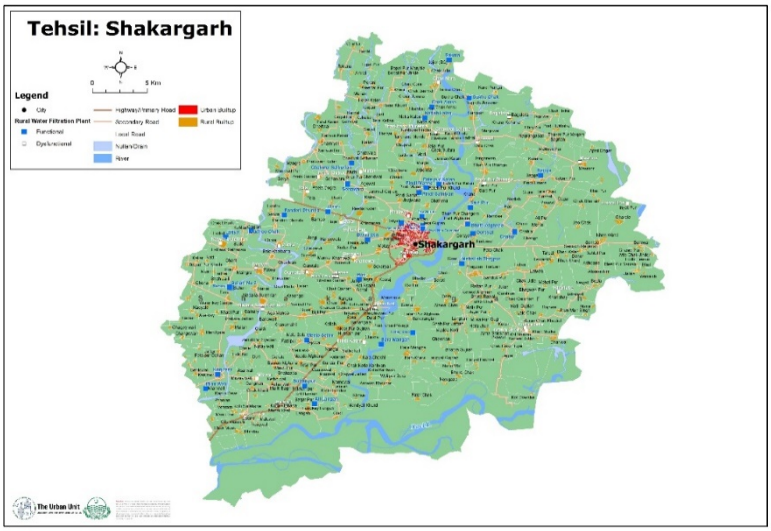
Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Narowal		RWFP Dhaay
Narowal	Ghoto Fateh Garh	RWFP Siraaj Sharif
Narowal	Talwandi Bhindran	RWFP Baath
Narowal	Datewal	RWFP Malook Pur
Narowal	Bola Bajwa	RWFP Bola Bajwa Durus
Narowal	Saddowala	RWFP Saddowala
Narowal	Thelay Kalan	RWFP Bhiki ke
Narowal	Thelay Kalan	RWFP Mayo Data
Narowal	Thelay Kalan	RWFP Nawaday
Narowal	Thelay Kalan	RWFP Bro wali
Narowal	Saddowala	RWFP Totay wali
Narowal	Thelay Kalan	RWFP Kandhala
Narowal	Maddo Kahlwan	RWFP Kala Qadar
Narowal	Thelay Kalan	RWFP Thillay Kalan
Narowal	Thelay Kalan	RWFP Thillay Khurd
Narowal	Chandar ke Rajputa	RWFP Jatay Pur
Narowal	Chandar ke Rajputa	RWFP Gias Pur
Narowal	Chandar ke Rajputa	RWFP Memowal
Narowal	Chandar ke Rajputa	RWFP Dhuni Dav Darzia Wali
Narowal	Chandar ke Rajputa	RWFP Dhuni Dav Paar Wali
Narowal	Chandar ke Rajputa	RWFP Dhuni Dav
Narowal	Chandar ke Rajputa	RWFP Chandar Ke Rajputa Qabrustan
Narowal		RWFP Hiraay
Narowal	Sankhatra	RWFP Punjgrayian
Narowal	Dharag Miana	RWFP Kul khana
Narowal	Bola Bajwa	RWFP Mahianwala
Narowal	Bola Bajwa	RWFP Siraan
Narowal	Bola Bajwa	RWFP Sugul
Narowal	Chandowal	W WFP Kotli Plat Church
Narowal	Chandowal	RWFP Raib
Narowal	Chandowal	RWFP Dhallay Pur
Narowal	Chandowal	RWFP Chandowal
Narowal	Chandowal	RWFP Takia Plat
Narowal	Chandowal	RWFP Behbal Wali
Narowal	Chandowal	RWFP Muslamania
Narowal	Chandowal	RWFP Kalo Pida
Narowal	Jassar	RWFP Dovaaba

Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Narowal	Jassar	RWFP Fasih Pur
Narowal	Jassar	RWFP Takian Kalan
Narowal	Jassar	RWFP Jassar UC Office
Narowal	Jassar	RWFP jassar Near Dera Hamid Pudda
Narowal	Jassar	RWFP Jassar Village
Narowal	khan Khasa	RWFP khan Khasa 1
Narowal	Mahar Shrif	RWFP Mahar Shrif No 2
Narowal	Mahar Shrif	RWFP Mahar Sharif No 1
Narowal	Rasinwal	RWFP Rasinwal
Narowal	Rasinwal	RWFP Rasinwal Chota
Narowal	Rasinwal	RWFP Kharal
Narowal	Rasinwal	RWFP Dulam
Narowal	Rasinwal	RWFP Kalas Goraya
Narowal	Rasinwal	RWFP Chalay waly Village
Narowal	Rasinwal	RWFP Chalay Waly mosque
Narowal	Pejowali	RWFP Mandarawala
Narowal	Pejowali	RWFP Jajowala
Narowal	Bhanyan	RWFP Bhanyan
Narowal	Rayya khass	RWFP Khalchian
Narowal	Manak	RWFP Seedo Ke no1
Narowal	Manak	RWFP Seedo ke No 2
Narowal		RWFP Megowaal
Narowal	Kot Lakha Sing	RWFP Kot Lakha Sing
Narowal		RWFP Rangay Pur
Narowal		RWFP Khanowaal
Narowal		RWFP Khokhar Kake Zaian
Narowal	Bola Bajwa	RWFP Jajan Wala
Narowal		RWFP Sulehrian
Narowal	Jassar	RWFP Taj Pura
Narowal	Maddo Kahlwan	RWFP Maloke
Narowal	Maddo Kahlwan	RWFP Maloke No 2
Narowal	Maddo Kahlwan	RWFP Dhala
Narowal	Rasinwal	RWFP Basike
Narowal	Thelay Kalan	RWFP Nangal
Narowal	Manak	RWFP Boray Wali
Narowal	Dharag Miana	RWFP Mehais Bobay wali
Narowal	Manak	RWFP Dogar Hinda

Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Shakargarh	Sarjal	RWFP Muthi
Shakargarh	Chak Amro	RWFP Chakwal Lalotra
Shakargarh	Baran	RWFP Tharkhana Mureeda
Shakargarh	Dhudu Chak	RWFP Fatwàl Sulehrian
Shakargarh	Goralla	RWFP Mirza Wali
Shakargarh	Bua	RWFP Nadala Sulehrian No 1
Shakargarh	Masroor	RWFP Anayat Pur
Shakargarh	Masroor	RWFP Masroor
Shakargarh	Sukho Chak	RWFP Chamal
Shakargarh	Kot Niana	RWFP Kot Niana Darbar
Shakargarh	Kot Niana	RWFP Kot Niana Girl School
Shakargarh	Kot Niana	RWFP Kharlohe
Shakargarh	Tola	RWFP Peela Gujran
Shakargarh	Tola	RWFP Tola
Shakargarh	Khanowal	RWFP Berowali
Shakargarh	Gumatala	RWFP Gumatala
Shakargarh	Gumatala	RWFP Bhattian Gujran
Shakargarh	Kallah	RWFP Pindi Kalan
Shakargarh	Phalwari	RWFP Phalwari
Shakargarh	Goralla	RWFP Manzoor Pura Plat
Shakargarh	Kotli Afghanan	RWFP Mundikhail
Shakargarh		RWFP Fatowal
Shakargarh		RWFP Chora
Shakargarh		RWFP Shah Pur Bhango
Shakargarh		RWFP Antowali
Shakargarh		RWFP Khanowal
Shakargarh		RWFP Manka
Shakargarh		RWFP Sultan Pur
Shakargarh		RWFP Chak Nara
Shakargarh	Mangri	RWFP Noor Kot
Shakargarh		RWFP Bagolora
Shakargarh		RWFP Bajar
Zafarwal	Langer kay	RWFP Sarjal
Zafarwal	Dahamthal	RWFP Dahamthal
Zafarwal	Depokay	RWFP Kot Ramzani
Zafarwal	Tapiala	RWFP Bolar
Zafarwal	Langarke	RWFP Langarke No 1

Tehsil	Union Council	Location Of Dys-Functional Filtration Plants
Zafarwal		RWFP Fathay Tur Adda
Zafarwal		RWFP Fàthay Tur Village
Zafarwal	Melo wala	RWFP Aeno WaliNo 1
Zafarwal	Melo wala	RWFP Aeno Wali No 2
Zafarwal		RWFP Bullowali
Zafarwal		REFP Rujwaal
Zafarwal		RWFP Amwaal
Zafarwal		RWFP Mumdaal
Zafarwal		RWFP Singhowala
Zafarwal		RWF Khushaal Garh
Zafarwal		RWFP Malaa
Zafarwal		RWFP Sakrori
Zafarwal	Deepoke	RWFP Deepoke





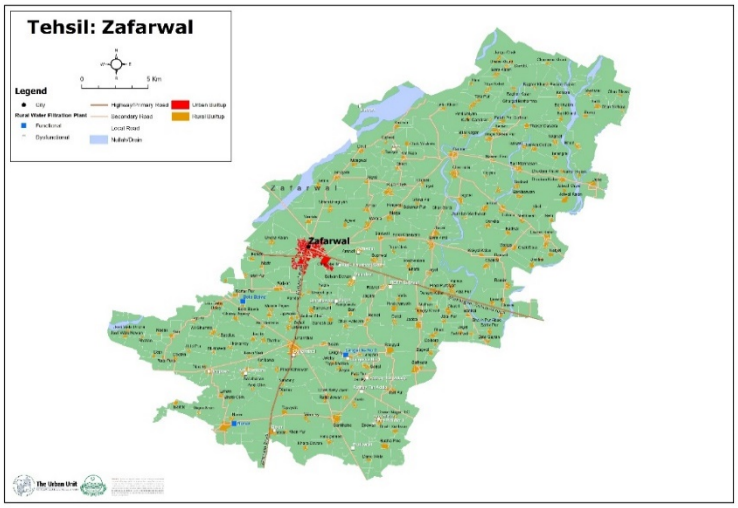


Figure 39: Mapping of Dys-functional UF plants to be rehabilitated in Narowal

Rehabilitation of 5 Dys-Functional OHRs (Sr. No 7)

Category: Short Term (0-3 Years)

Scope:

It aims to augment the water supply system by utilizing the existing Overhead reservoir (OHR) structure. Rehabilitation of OHRs will facilitate in provision of indirect water supply rather than direct supply from tube well to dwellings. It will assist in equalization of the demand during peak hours, maintenance of pressure and water availability for longer time, and storage for emergency etc.

Complete assessment will be carried out including retrofitting, repair and rehabilitation of of Beam, column, jacket, cover, valves, corroded pipes, joints, cracks, coating, leakages, cleaning, cement grouting, inlet, outlet, ladder, internal external surface, valves, air vents etc and any other prevailing issue to make OHR functional.



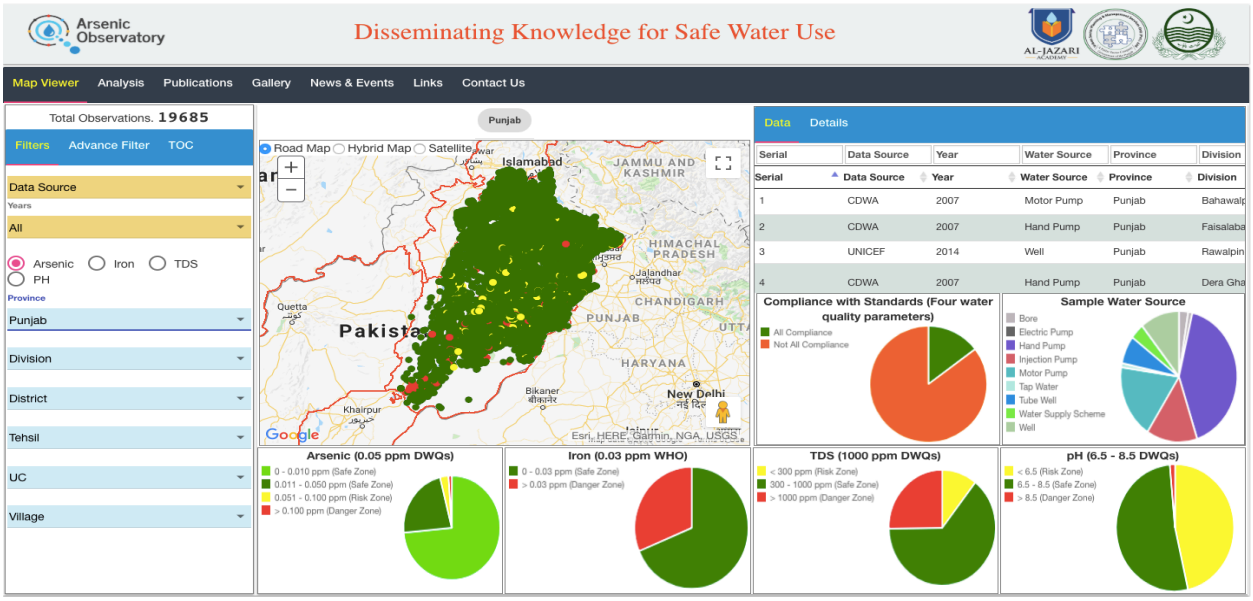
Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring (Sr. No 8)

Category: Short Term (0-3 Years)

Scope:

The projects aims to establish GIS based water quality monitoring dashboard system for Screening of the real hotspot areas based on accurate sampling, testing and data analysis and taking right decision of installation of type of water treatment units. Interface of dashboard will be developed for water quality live monitoring. Furthermore, Mobile application will be developed for water quality sample data collection and directly linked with MIS based monitoring dashboard. Secondary water quality data available will also be uploaded on dashboard. A sampling and a testing regime for water quality parameters across the ground water sources in rural areas will be developed so that water quality status of whole district/region is accurately reported/placed at one place and true hotspot areas will be marked and pointed geo spatially. Water quality tests will be carried out either in PHED laboratory or in mobile lab and respective results will be uploaded on live portal. The dashboard will give real time analysis of water quality situation and give directions where interventions are needed. The web portal results will also be accessible easily on mobile app for users to check water quality levels in their waters. Dedicated staff personnel will be deputed for monitoring of dashboard and data management and analysis. Automatic Monthly Progress reports of water quality will be generated and monitored.

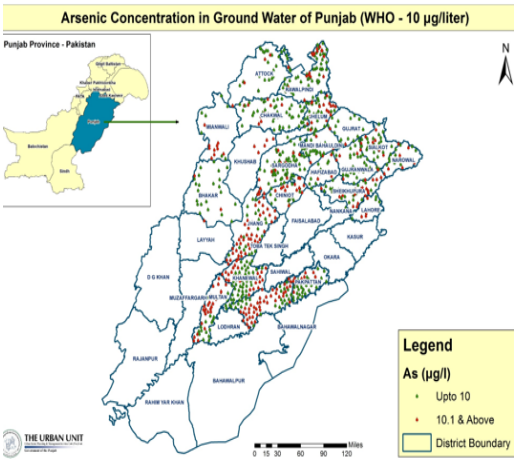




Groundwater quality testing coverage in identified hotspot villages through mobile lab and installation of at least one mobile special treatment unit (Arsenic filter /Nitrate filter/RO)(Sr. No 9)

Category: Short Term (0-3 Years)

Scope:



This projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas regional development plan so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator. As the rural settlements are far away from each other, it will be difficult to install costly treatment units individually in each village. Furthermore, people also don't have technical capacity to manage and operate modernized technology resulted in to failure of option. Therefore, an innovative kind of mobile filtration unit is proposed that will be operated by newly hired trained personal. This mobile unit having capacity of 500-1000 l/hr will have prefabricated storage tanks, RO/UF modules, Arsenic/nitrate filter tanks, transport crate pick up, multiple power sources, pumps and valves set up etc. Mobile Unit will move from one place to other and stay for specific time at each village tube well having brackish/contaminated water. For example, 15-25 thousand people in rural Narowal are estimated that are expected to be affected from high level of arsenic, nitrate and TDS. Health of those suspectedpeople will be protected by implementation of this project.

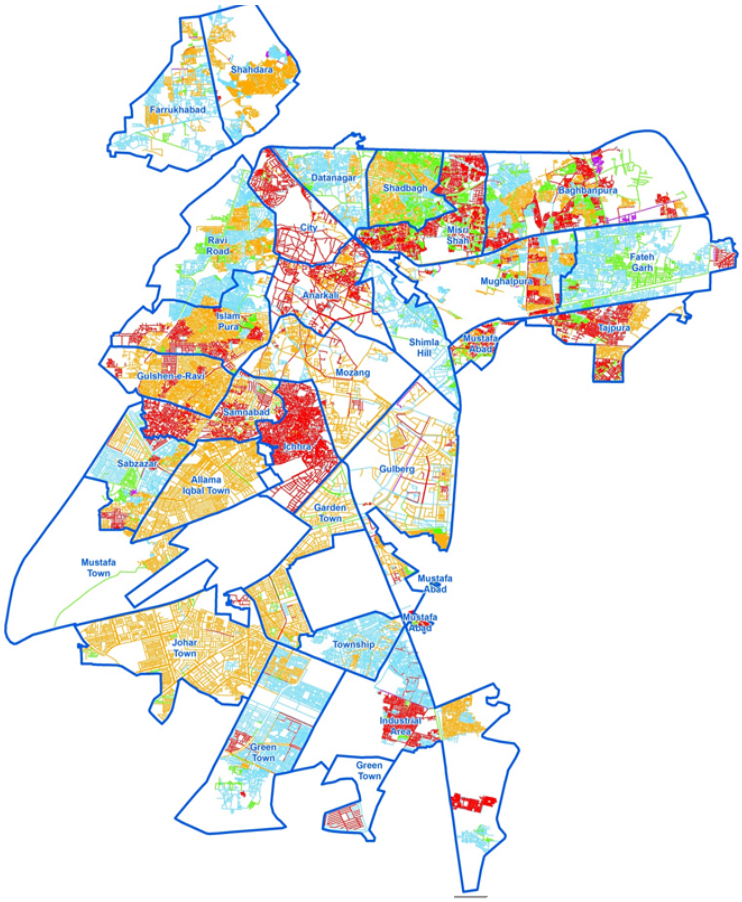


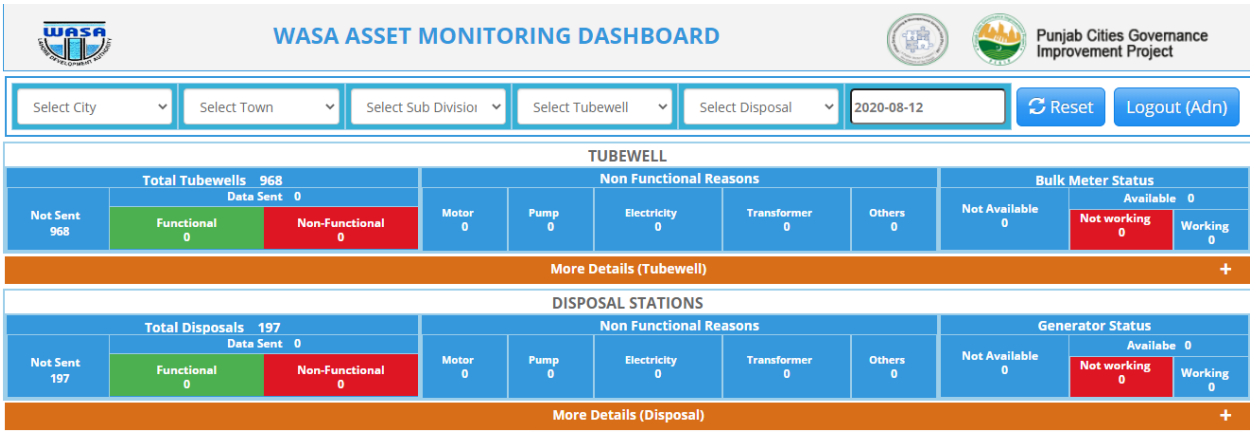
Implementation of WSS Asset Mapping and Asset Management Information System (Sr. No 10)

Category: Short Term (0-3 Years)

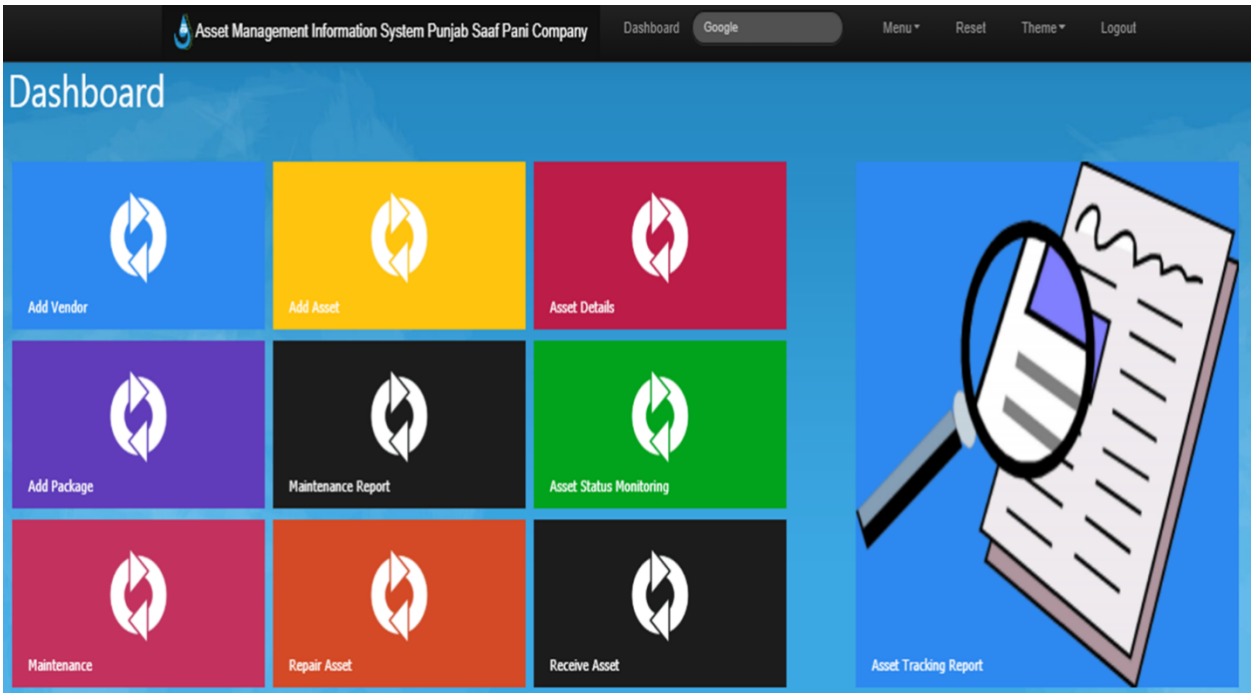
Scope:

Its objective is to manage and monitor all water and sanitation infrastructure present in rural areas. It will help in development of database, assessment of infrastructure condition, and taking right decision for investment in upgradation or rehabilitation of structure. GIS based dashboard and data collection mobile app will be developed. Survey will be carried out to map all water and sanitation (WSS) assets along with their condition through mobile application. Dashboard will be developed backing satellite imagery based population and rural settlements with overlaying of WSS infrastructure. Module will lead to decision support system to identify gaps, traps leakages and identify need for priority interventions. The system will also produce consolidated reports based on the attribute data put into the GIS based asset inventory.





The reports will help to make decisions regarding replacement of assets, their timely repair and maintenance and will provide a better control and monitoring mechanism. This support system should link engineers, planners and field support staff to middle management. Once aligned, then data and reports can be fed up to senior management to prioritize asset replacement programs and investments to balance customer service standards with capital project plans.



Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff(Sr. No 12)

Category: Medium Term (3-5 Years)

Scope:

Purpose of project is to improve the rural water supply and sanitation system performance through capacity building of human resources. Major reason of system failure is lack of technical capacity of community based organization (CBOs) who are responsible for operation and maintenance of the system. In this project, the scope, methodology and tools of the data collection for the training needs assessment of CBOs and Public Health Engineering Department (PHED) staff will be developed to ensure that all needed information for design and implementation of training programmes is captured. Based on the results of the needs assessment, training plan and program will be developed covering all required skills and expertise. Specific Training Course will be developed and Lecture based training will be given at Aljazari Academy at Lahore, and actual hands on training on equipment will be provided in field in villages. Action Plans and Standard Operating Procedures will be developed for effective performing Water Supply and Sanitation (WSS) operations. Furthermore, aspect of component sharing, water, sanitation and hygiene (WASH), behavioral change, social mobilization and community engagement will also be covered during the capacity building process.







Installation of New Ultra-Filtration Plants in Villages of Narowal tehsils (Sr. No 14-16)

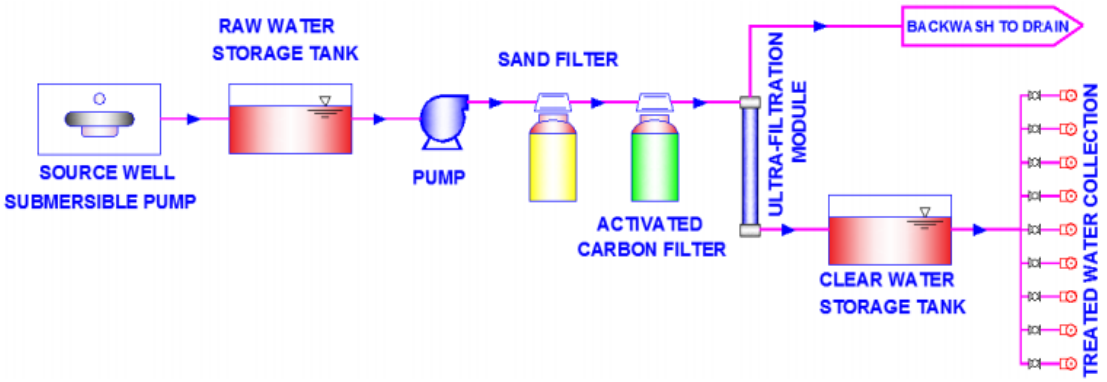
Category: Medium Term (3-5 Years)

Scope:

Its objective is to provide safe drinking water to people in rural areas hence contribute in achieving the SDG goal target of safely managed water by 2030. Currently only average 8% of the population of 3 tehsils of Narowal is being provided with treated water, therefore, to increase coverage of treated water, installation of new Ultra-filtration (UF) plants according to drinking water demand is proposed.

Ultrafiltration plants of 2000 l/hr and 1000 l/hr capacity are proposed to be installed as per demand and population of settlements. Solar based 25 UF plants each having capacity of 2000 l/hr will be installed in 10 villages, each of those villages have population exceeding 5000and these will serve the population of approximately 98,000 people. Similarly, solar based 66 UF plants, each having capacity of 1000 l/hr will be installed in 33 villages, each of those villages have population of 2500-5000, and will then provide 3lpcd water to the population of approximately 1,37,000 people. Whereas, people in the 400 small villages having population of 7,00,000 will be benefited through 200 cluster based UF plant each of 1000 l/hr.

Some feasible water supply schemes will be identified for installation of UF plant. Installation of UF plant will cover all components including prefabricated room for plant, solar panels, Boring/drilling and installation of Submersible Pump, Raw Water Feed Pump, Raw water tank, Pressure Sand Filter, Activated Carbon Filter, Micro Filter, Ultra Filtration system with frame, stainless steel UF Housing Pentair, UF Membrane, Automatic PLC Panel, Injection System, Blending filter, pressure gauges, flow meter for product water, TDS meter, product water tank, Pipe and taps outside room, fittings of PVC, automatic back wash system for membranes.



Installation of New Rural Water Supply Schemes in Villages of Narowal tehsils (Sr. No 17-19)

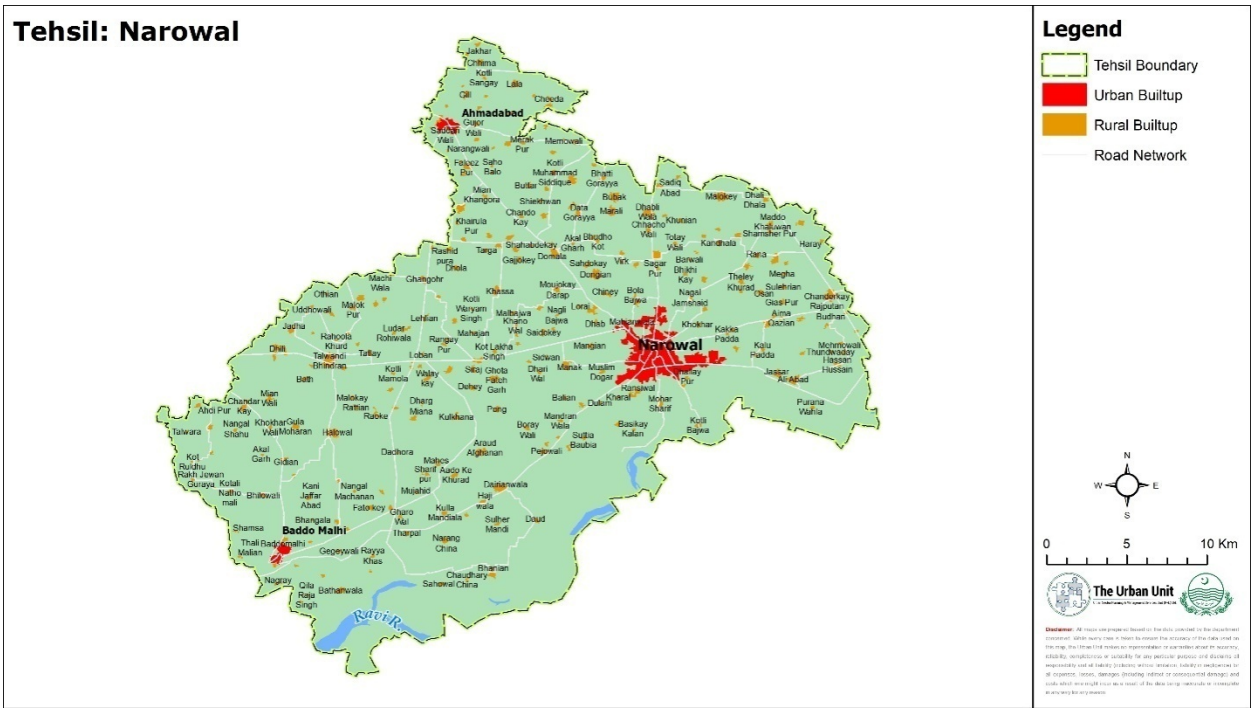
Category: Medium Term (3-5 Years)

Scope:

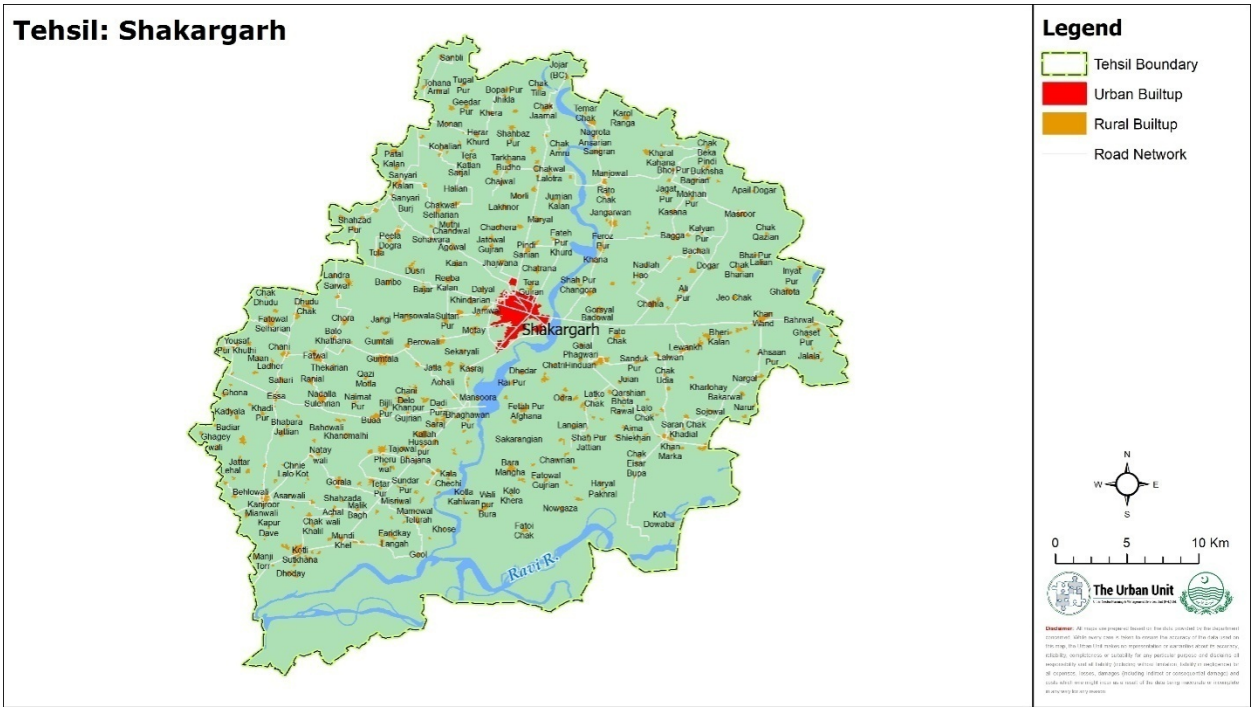
There are only 33 rural water supply schemes present in rural areas of Narowal which are supplying tap water to people. Currently only approximately 20% population is benefited from tap water. To enhance coverage and accessibility of required standard amount of water for domestic usage to meet SDG target of safely managed drinking water, installation of new rural water supply schemes is proposed. There will be construction of 15 new rural water supply scheme (RWSS) each of 1 cusec tube well in 9 villages (each village of having population greater than 5000) of Narowal that will benefit a population of 91,000 individuals. While 1,97,000 rural population of Narowal in 50 villages (each having population of 2000-5000) will be served through installation of 50 new 0.5 cusec each RWSS. On the other hand, small scattered 535 villages comprise of population of 6,96,000 (each village having population less than 2000), will be supplied tap water through installation of 50 clustered based RWSS each of 0.5 cusecs. Scope will cover all necessary steps of water source development, pumping machinery, pumping house, installation of equipment, construction of raising main, laying out of distribution network and other as per Standard Operating Procedures (SOPs).

Annexure A: Tehsil Level Mapping

Tehsil Narowal



Tehsil Shakargarh



Tehsil Zafarwal



Gujranwala Regional Development Plan 2030



District Gujranwala

RURAL

5 Section-I Rural District Gujranwala Profile

5.1 Location Boundary

Gujranwala is one of the districts among six districts of Gujranwala Division of Punjab. Rural area of Gujranwala district comprises of five tehsils namely (i) Gujranwala City, (ii) Gujranwala Saddar, (iii) Kamoke Tehsil, (iv) Nowshera Virkan, and (v) Wazirabad Tehsil. Map of rural areas settlements at tehsils level is shown in figure 40.

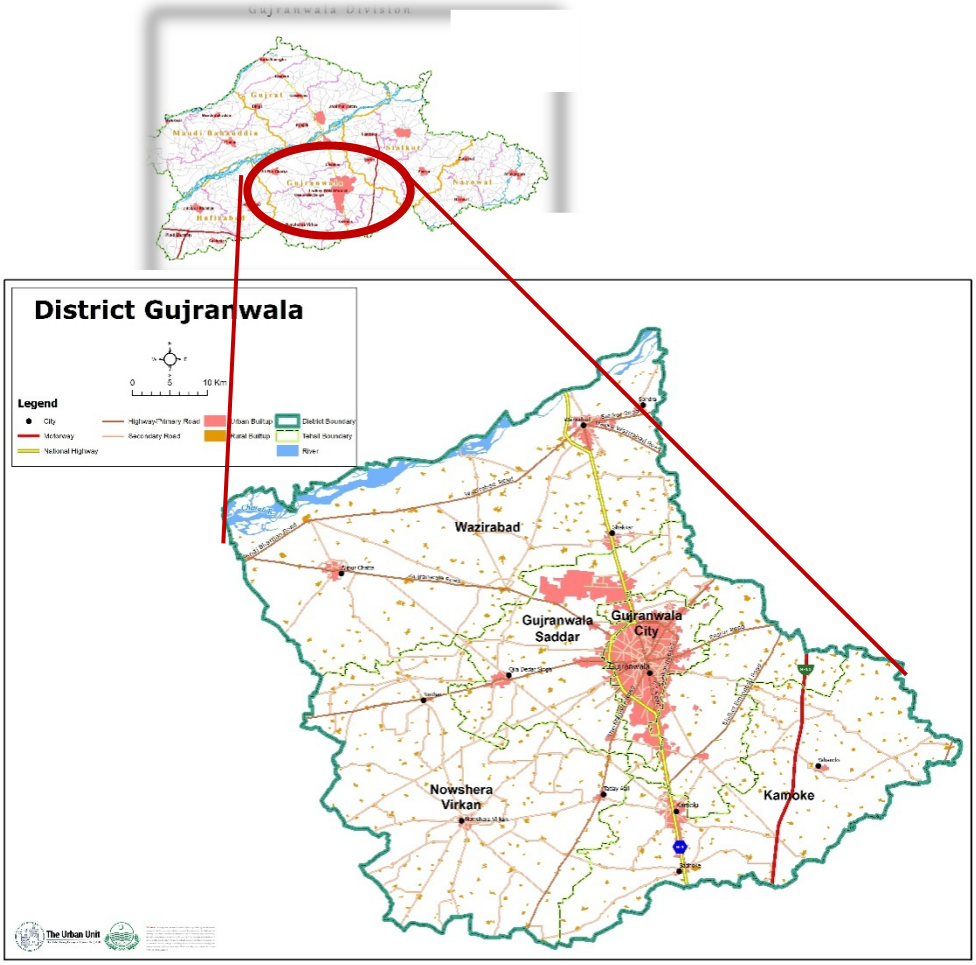


Figure 40: Boundary of Rural Gujranwala

5.1.1 Geography

Gujrat connects Gujranwala with Bhimber, Mirpure Azad Jammun and Kashmir, and Silakot connects it with Jammun. About 160 kilometres (99 mi) southwest is Faisalabad. To its west are Hafizabad and Pindi Bhattian, which connect Gujranwala to Jhang, Chiniot and Sargodh. It lies between 32°9′N 74°11′E.

5.1.2 Demography

According to 2017 census Gujranwala District's population is 5.01 million and 41% resides in the rural areas. Rural population was 2.06 million in 2017 with equal 50:50 male to female ratio. Rural population and households present in 772 villages of Gujranwala district as per census 2017 and projected population for next 10 year by considering population growth rate of 1.61 is mentioned in table below.

Table 17: Demography of Rural Gujranwala

		Population (2017)	HH (2017)	Estimated Population (2030)
Gujranwala District	**Rural**	**2,065,260**	**301,072**	**2,541,842**
Gujranwala City Tehsil	Rural	73,940	11,294	91,002
Gujranwala Saddar Tehsil	Rural	642,751	94,631	791,073
Kamoke Tehsil	Rural	331,677	46,027	408,215
Wazirabad Tehsil	Rural	530,645	80,522	653,097
Nowshera Vikran Tehsil	Rural	486,247	68,598	598,454

5.2 Section-2 Rural Water Supply System

There are two reliable sources of water available, one being the canal and other being ground water. Mostly, canal water is used for crops irrigation, whereas people are extracting ground water for drinking and domestic purposes. Main and miner canals are passing through the tehsil areas and these are main sources of recharge of groundwater.

Groundwater present in Gujranwala district, currently used as source of drinking water majorly comprises of fresh to brackish water zone. Secondary analysis of groundwater quality in 2016 revealed 7% TDS contamination, while arsenic, nitrate and fluoride contamination was found out at 11-13% in some areas. A study on drinking water quality status carried out in 2017 revealed presence of microbial and 64% heavy metal (arsenic) contamination in drinking water samples. Similarly, one more study conducted to assess the groundwater quality in 2019 indicated the presence of suitable water quality for potable use with regard to its physiochemical parameters but 98% water samples were found to be bacteriologically contaminated

Improved drinking water in rural Gujranwala with contribution of 2 % tap water; 22 % hand pump and 76 % motor pump was present as per PSLM 2012-13's survey which recorded the high usage of motor pumps and the restricted access to tap water.

Major information acquired from Community Development officer PHED Gujranwala on current rural water supply system 2020 in Gujranwala is tabulated below in table 19.

Table 18: Rural Water Supply System in Gujranwala

Sr. No.	Item	Value
1	**Coverage**	
(i)	Water supply coverage area (Population wise)	23.7% of Rural population of district Gujranwala
(ii)	Population	61007 No's
2	**Ground Water (tube wells based system)**	**Yes**
(i)	No of Tube Wells	Total No. 40 Functional 09 Non-Functional 31
(ii)	Capacity of Functional Tube Wells	8.25 cusec
(iii)	No of Bulk water meters	0
3	**Water Filtration Plants**	
(i)	No of Water filter plants	Total No. 17 Functional 09 Non-Functional 08

(ii)	Type of Water treatment technology installed	Micro Filtration
(iii)	Total water Supply	5400 G/day
(iv)	Duration (Supply Hours)	6 Hrs.
4	**Connections**	
(i)	Domestic Connections	2060 No's
(ii)	Metered Connections	0 No's
(iii)	Commercial Connections	0 No's
(iv)	Industrial Connections	0 No's
(v)	Hypo chlorinator	8 No's
5	**Water Consumption**	
(i)	Per Capita water Consumption 50gpcd	521 lpcd
(ii)	Total Water Consumption	1.36 MGD
(iii)	No of Overhead Reservoirs	Total 33 Functional 08 Non-Functional 25
(iv)	Capacity of Overhead Reservoirs	210,000 Gallons
(v)	Ground Water Storage Tank	---
6	**Water Distribution Network**	
(i)	Type of Distribution pipe network	3" to 16" PVC / AC
(ii)	Approximate pipe length	43.6 km

5.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. This continuous supply of water is being provided via distribution lines with little coverage in rural areas. PHED's design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level's water demand is calculated because of scattered settlements present at farthest distance from each other. 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be also supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 19: Water Demand in Gujranwala

Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)
Up to 5000	10	5,001-10,000	15	10,001-20,000	20	20,001-50,000	30

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	2030	2020	2030
Total Rural	**157,361,200**	**190,512,534**	**6,758,661**	**7,929,138**
Gujranwala City Tehsil	9,364,175	10,763,420	245,894	288,481
Gujranwala Saddar Tehsil	58,122,468	70,500,401	2,117,879	2,484,653
Kamoke Tehsil	20,988,669	25,294,037	1,069,740	1,255,004
Wazirabad Tehsil	33,904,773	41,977,338	1,722,643	2,020,977
Nowshera Vikran Tehsil	34,981,115	41,977,338	1,602,505	1,880,024

5.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in Gujranwala tehsils is groundwater. Total 32 Rural water supply schemes are currently present for provision of water supply. Furthermore, 12 rural water filtration plants (RWFPs) are also installed by PHED.

5.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. Distribution of RWSS in tehsils of Gujranwala is given in figure 41.

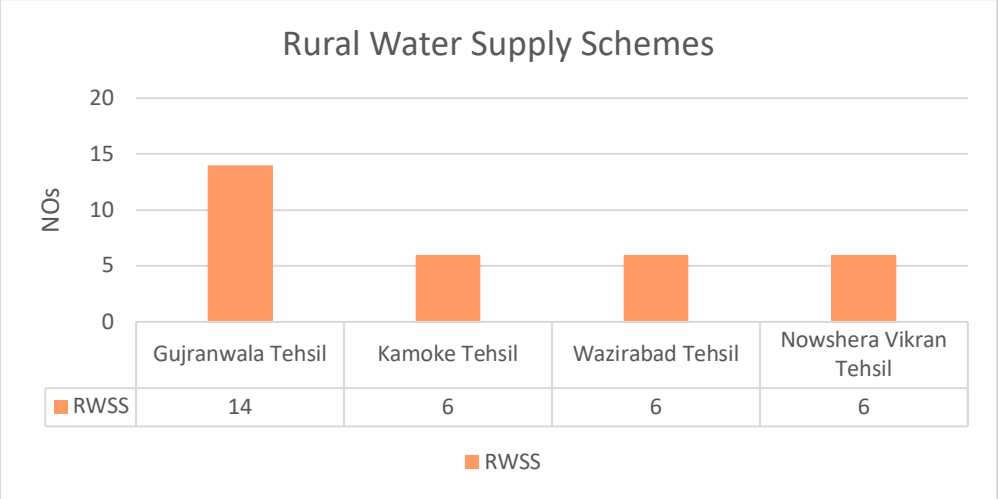


Figure 41: Total Rural Water Supply Schemes (RWSS) in Gujranwala

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All 32 RWSS are installed by PHED in tehsils of Gujranwala. Currently, only 25% water schemes are in working condition while 75% water supply schemes are non-functional.

Furthermore, working condition of RWSS in % age in tehsils of Gujranwala is illustrated through graph. It is observed that a large number of water supply schemes are non-functional in Gujranwala and Wazirabad tehsil which requires attention in order to facilitate its rehabilitation and to ensure water coverage to rural population.

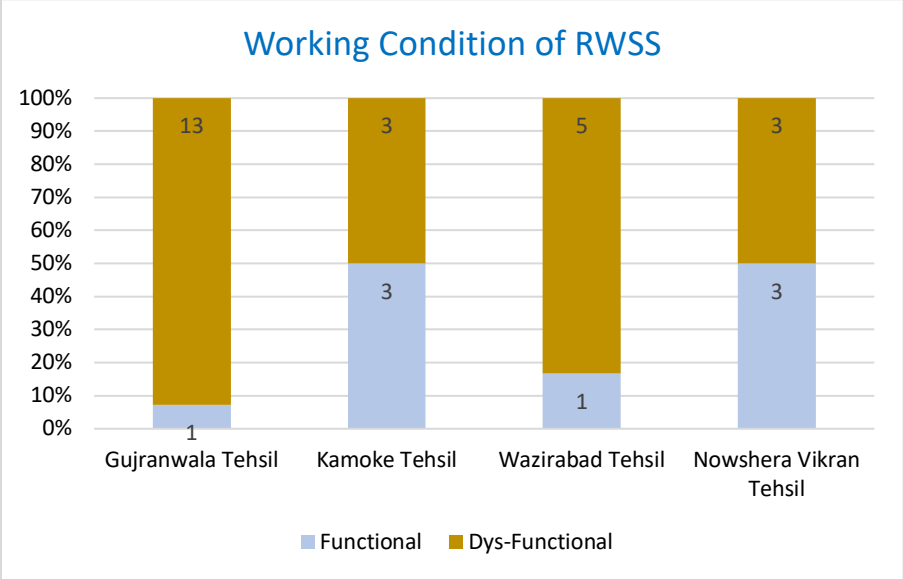


Figure 42: Working Condition of Water Supply Schemes in Gujranwala

It is noted that among functional water schemes, 5 are present in sweet water zone and 3 are present in brackish water zone while all dys-functional schemes lie in sweet water zone except one zone as per data provided by PHED.

A large number of schemes became dysfunctional after 2010 due to multiple reasons. It is told that the main reason behind this non-functionality of schemes is that community is not willing to take over the scheme from the governmental departments due to very high O & M Cost. Scheme will be sustainable if it is rehabilitated and operated by PHE Department / Local Government Department. One of the primary reasons of dysfunctionality of schemes is damage of distribution network. Other minute reasons behind the non-functioning of water schemes are leakages in Distribution Network, non-payment of WAPDA Dues and theft of Transformer.

Spatial location of functional and dys-functional water supply schemes installed in tehsils of Gujranwala is presented in maps figure 43.

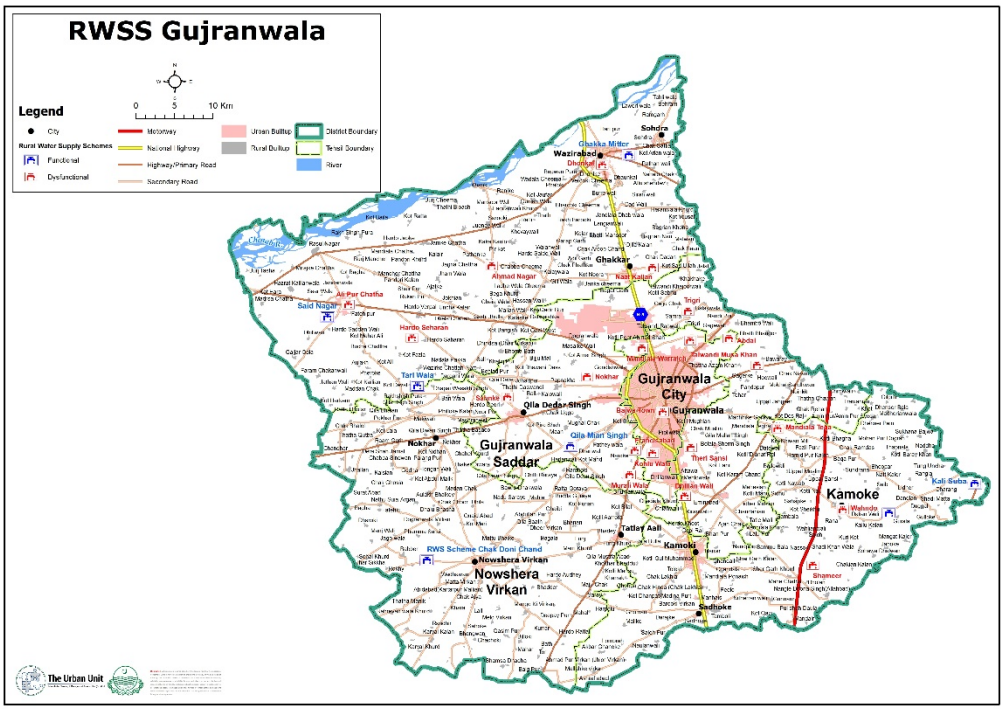


Figure 43: Mapping of Functional & Dys-Functional Water Schemes in Gujranwala Tehsils

5.2.2.2 OHRs

There are 33 Overhead Reservoirs with 210,000 Gallons capacity are present among which 8 are functional and 13 are non-functional.

5.2.2.3 Treatment Units

There are 12 micro-filtration plants installed in tehsils of Gujranwala from which currently just 04 (33%) water treatments plants are functional and remaining 08 (67%) plants are non-functional.

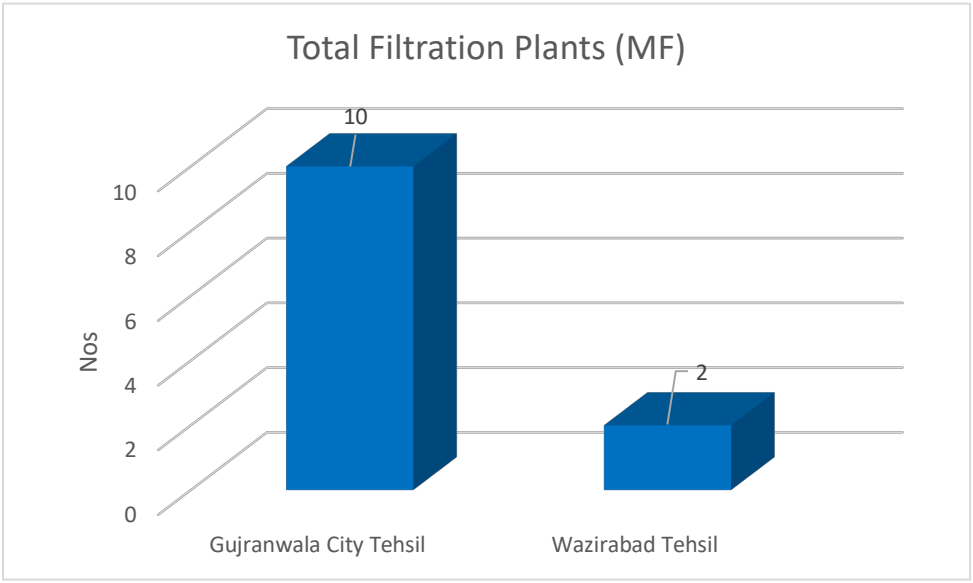


Figure 44: Number of Filtration Plants in Gujranwala

Functionality of filtration units in tehsils of Gujranwala is displayed in figure 45. All dys-functional treatment units are present in fresh water zone. Major reasons of non-functioning of filtrations units, told by PHED, are theft of water taps, disconnection due to non-payment of WAPDA dues, out of order machinery and expired carbon filter. Replacement of filters, membranes, media and repair of civil works are suggested to be done for making these plants functional. While it is suggested that new UF plants are to be installed rather than old micro-filtration technology.

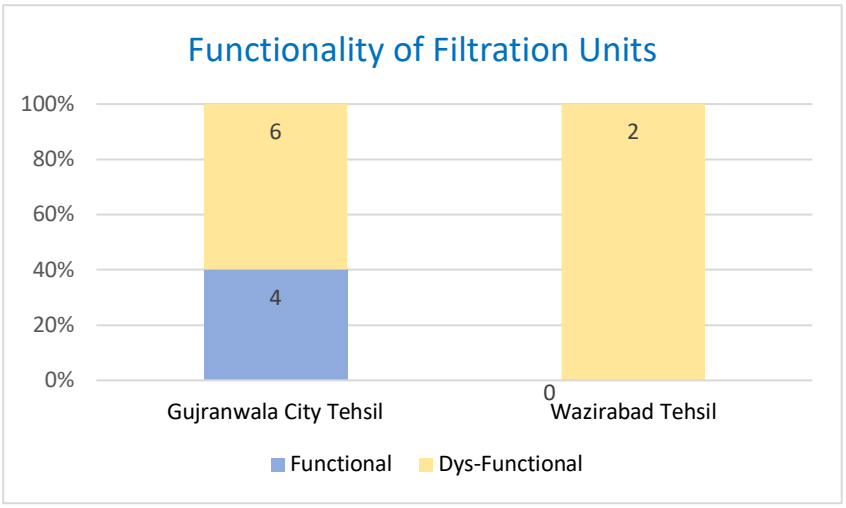


Figure 45: Functional & Dys-Functional Filtration Unitin Gujranwala

Spatially marked locations of water treatments plants in Gujranwala rural areas are shown in map.

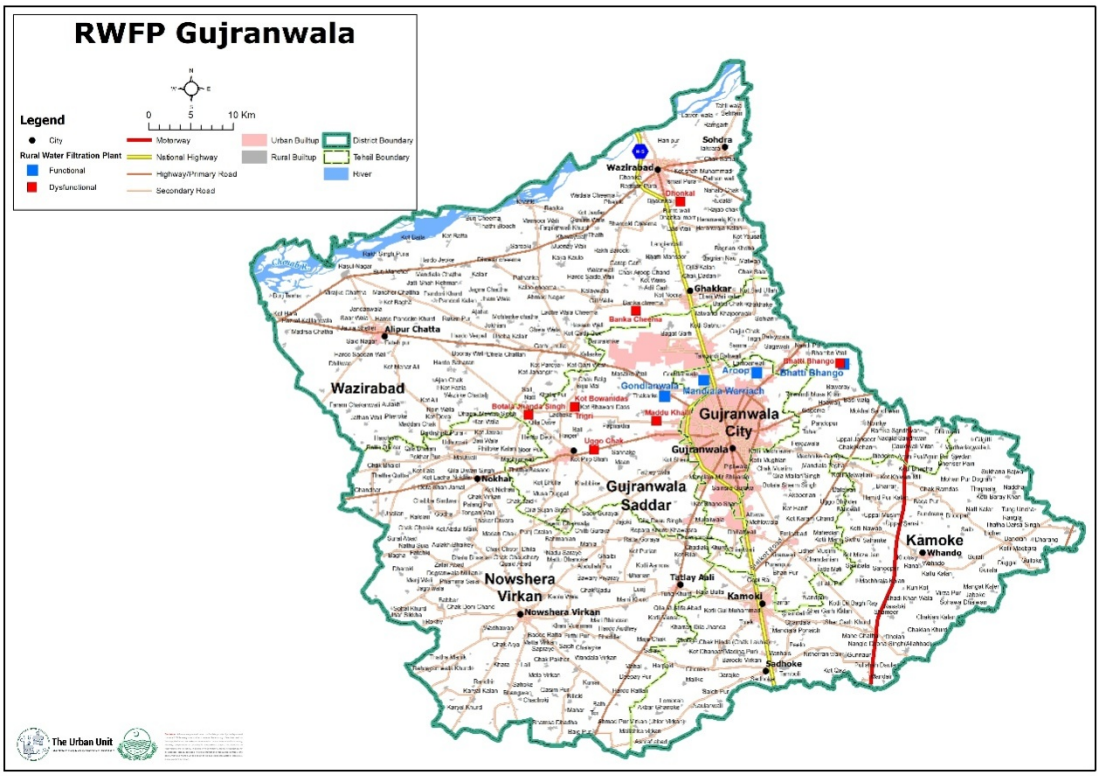


Figure 46: Mapping of Functional & dys-Functional Filtration Plants in Rural Gujranwala

5.2.3 Water Quality Situational Analysis

WASA-Gujranwala laboratory is being used for testing analysis of water quality in rural areas. According to old PHED 2011-12 data, it was observed that 60% villages had chemically unfit drinking water while 80% samples were bacteriologically contaminated which indicated serious concern of situation of water quality (PHED UNICEF 2011-12)

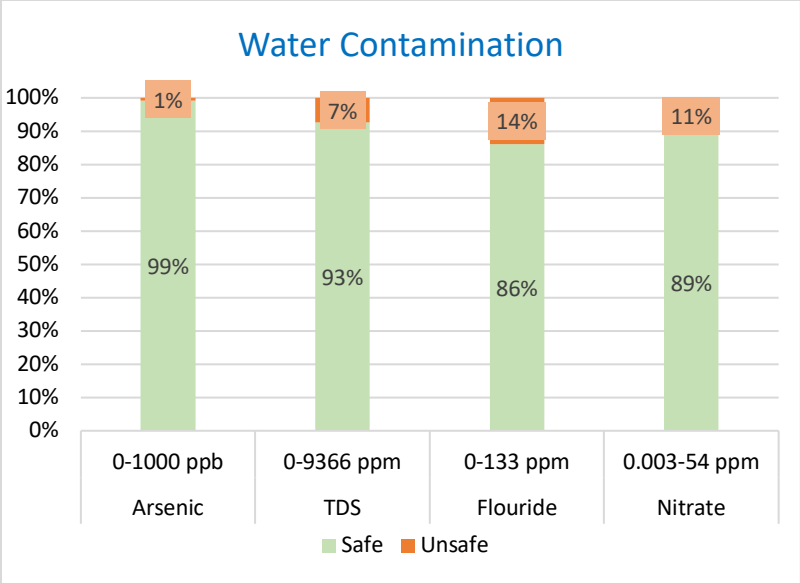


Figure 47: Graphical representation of Water Quality Contaminationin Gujranwala

5.2.3.1 Primary Water Quality Analysis

According to water quality data provided by Community Development Officer (CDO) of Gujranwala PHED, multiple water quality parameters of rural water filtration units and water supply schemes are being checked and monitored. Physical parameters include Odor, Color and Taste; Chemical parameters include pH, Turbidity, TDS, Calcium, Magnesium, Hardness, Alkalinity, Chloride, Electrical conductivity and Bi-carbonate; and Bacteriological parameters include Total Coliforms data was provided by CDO PHED Gujranwala for rural water filtration plants of which results indicated that physical and chemical water quality was fit while samples were bacteriologically unfit. It is noted that physical, chemical and biological water quality parameters data of rural water schemes were fit for use and all mentioned parameters were in permissible limits. It is also observed that main chemical parameters such as arsenic, nitrate and fluoride are not being tested which is of high concerns as these tend to be fatal for the safety of human health.

5.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 12,000 – 500,000 population of rural population may be at risk.

Highest percentage of water contamination is observed for fluoride, nitrate and TDS respectively. Samples taken from 5-2000 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only arsenic is somehow safe in area as just 4 samples had been found exceeding NEQs limit. While presence of remaining TDS, fluoride

and nitrate contamination is of concern and point out the need for installation of Reverse osmosis and other contaminant removal membranes on actual water quality re-confirmation.

Table 20: Secondary water quality results in Rural Gujranwala

Arsenic 0-1000 ppb		TDS 0-9366 ppm		Fluoride 0-133		Nitrate 0.003-54 ppm	
No of Samples							
Total	479	**Total**	1885	**Total**	480	**Total**	480
0-10 ppb	324	**0-1000 ppm**	1745	**0-1.5 ppm**	413	**0-50**	427
11--50 ppb	151	**1000-2000 ppm**	134	**>1.5 ppm**	67	**>50**	53
>50 ppb	4	**>2000 ppm**	6				

Spatially mapped secondary water quality data is drawn and illustrated in map

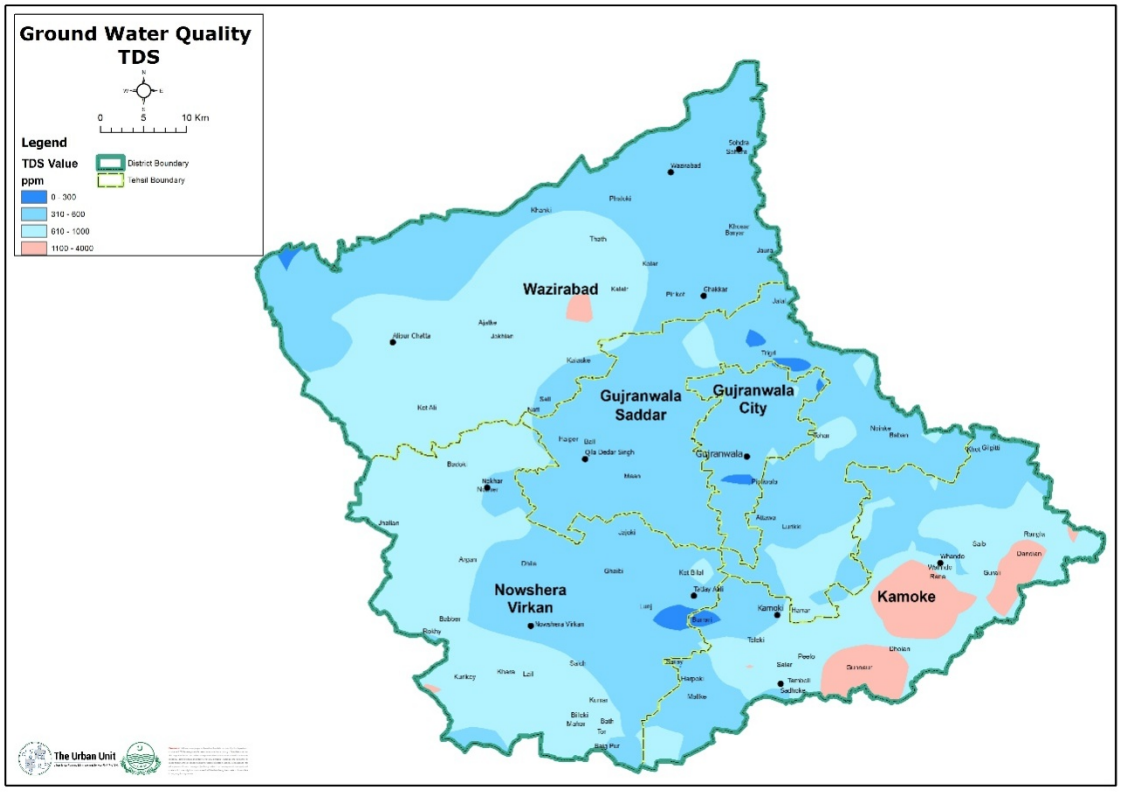


Figure 48: Mapping of TDS Contamination in Rural Gujranwala

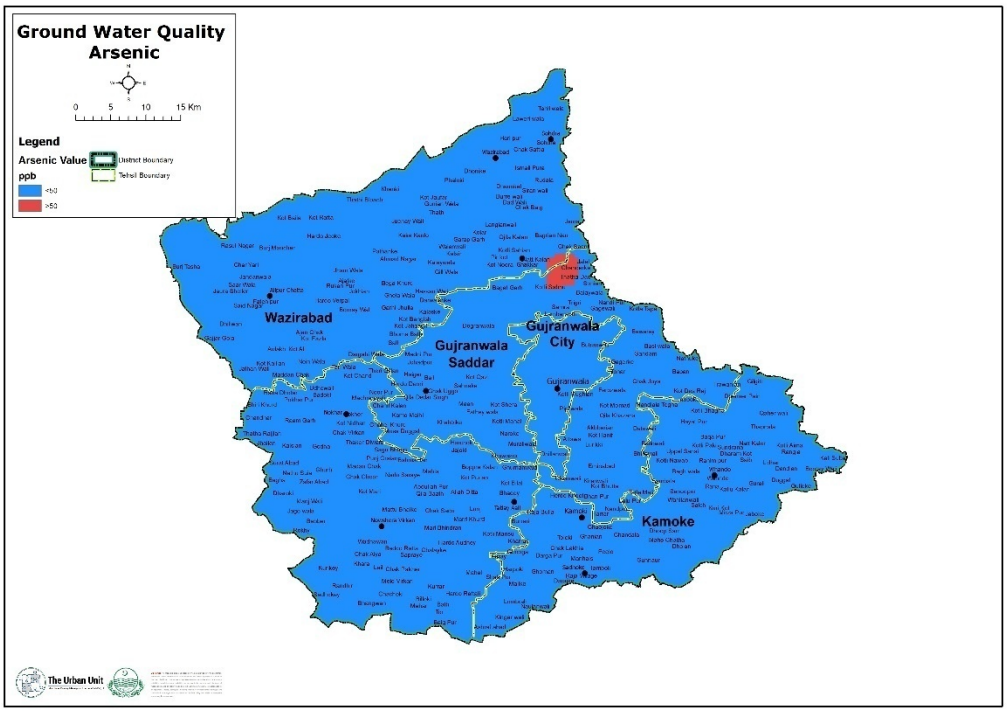


Figure 49: Mapping of Arsenic Contamination in Rural Gujranwala

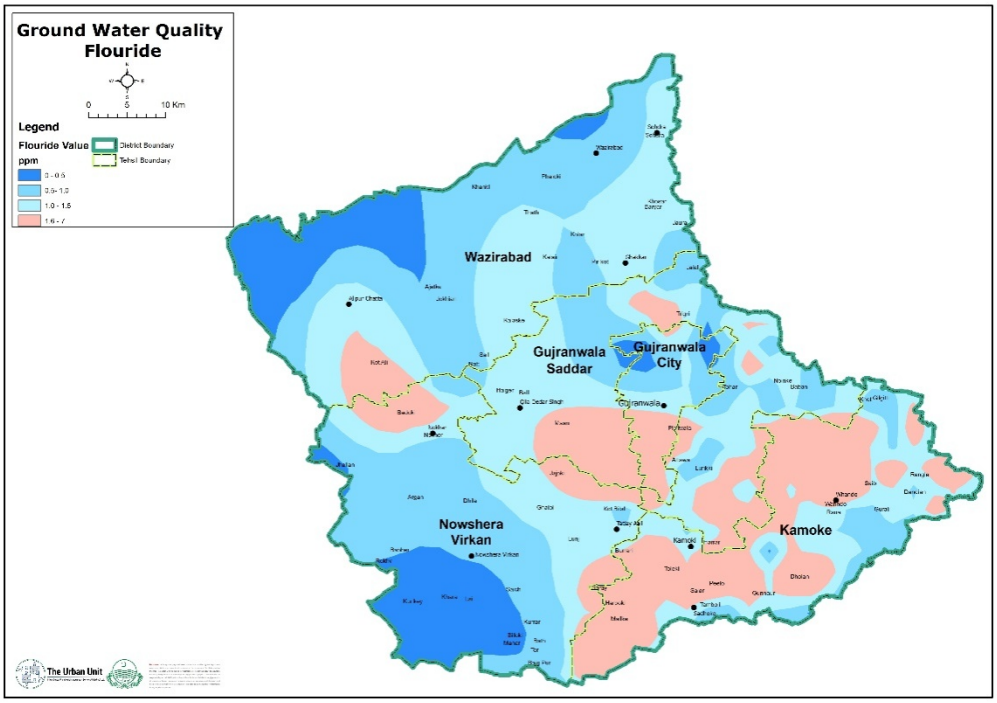


Figure 50: Mapping of Fluoride Contamination in Rural Gujranwala:

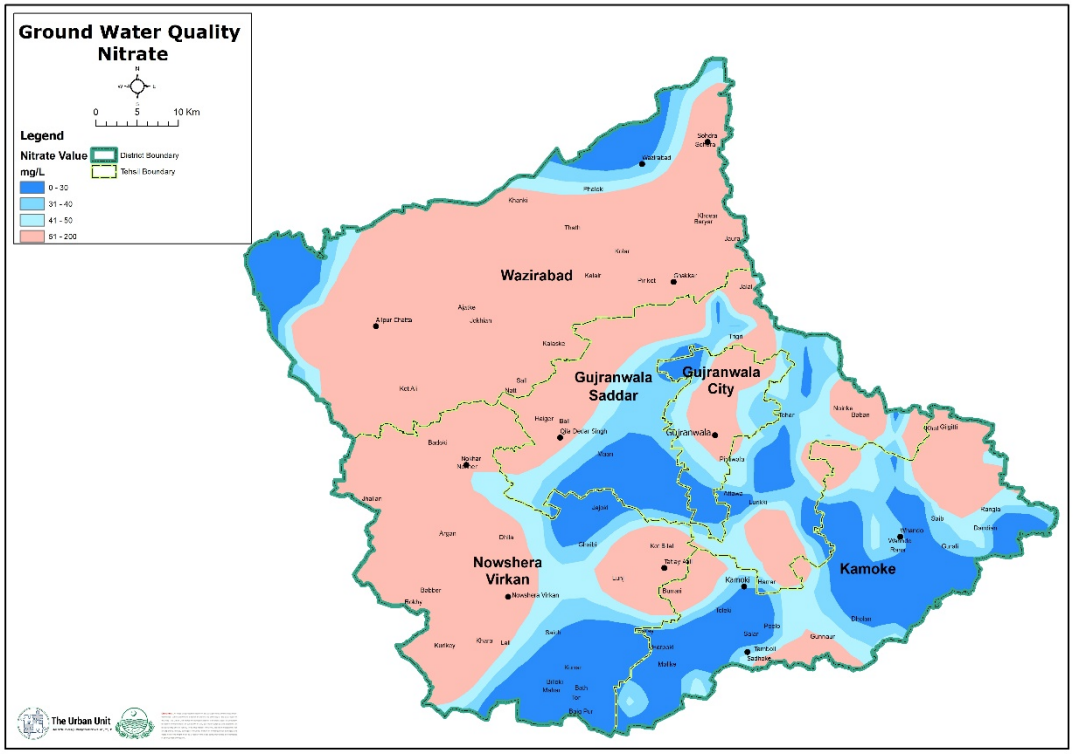


Figure 51: Mapping of Nitrate Contamination in Rural Gujranwala

5.2.4 Service Delivery Challenges

Currently there are many challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas of Gujranwala

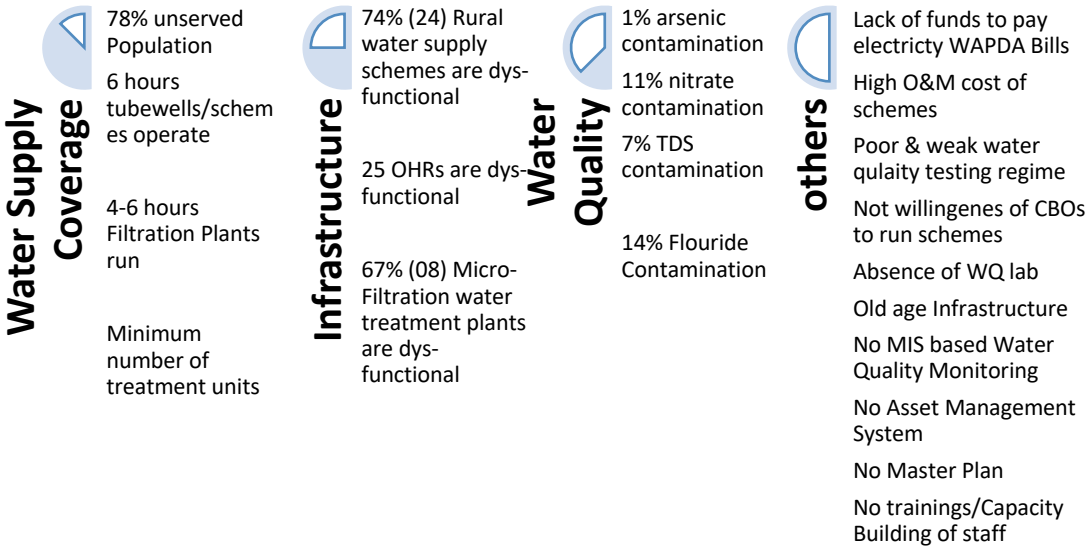


Figure 52: Service Delivery Challenges in Gujranwala

5.2.5 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in Gujranwala district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural Gujranwala are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

5.2.5.1 Infrastructure Requirements Assessment

Currently only four lac population is being served with water supply means only 20-22 % is served while remaining 78% rural population is still unserved. Rural water supply schemes are present only in 8 villages out of 764 in rural areas of Gujranwala district. There are only 10,719 water connections present. Furthermore, 08 (67%) Ultra-filtration plants installed are also dys-functional which need special attention to provide treated safe drinking water to people in villages.

First Priority will be given to villages where neither water supply schemes are present nor water filtration unit exist, then **second priority** will be villages where UF plants are non-functional, **third priority** villages will be those where water schemes are non-functional and so on. Maps of tehsils with functional and non-functional infrastructure is illustrated for priority areas of interventions.

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Gujranwala rural area as per PHED water supply criteria.

Table 21: Water Supply Schemes Requirement (No's) in Gujranwala

New RWSS Requirements by 2030 in Rural Gujranwala				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1.5 cusecs	23	>15000	122	89
1 cusecs	107	>5000-15000	128	158
0.5 cusecs	248	2000-5000	69	248
0.5 cusecs combine clusters based schemes	375	10 - <2000	36	73
Total	**753**		**355**	**568**

Table 22: Water Treatment Units Requirement (No's) in Gujranwala

New UF water Filtration Units Requirements by 2030 in Rural Gujranwala				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	130	>5000	680,948	387
1000	161	2500-5000	276.457	358
1000 (cluster based sahulat centre plants)	462	10-<2500	293,228	293
Total	**753**	**-**	**974,452**	**1,038**

5.2.5.2 Water Quality and treatment

Based on past secondary data analysis, 114 villages have been identified where TDS water quality parameters were exceeding standard limits and arsenic, nitrate removal filters and RO plants can be installed as per actual need. However, on past available secondary water quality data number of RO plants are proposed to be installed which can be considered and evaluated on actual basis.

Table 23: Proposed RO plants for water treatmentin Gujranwala

Villages	Population	Demand	Capacity (L/hr)	N of RO Plants
76	89,285	44,643	1000 Cluster based	45
20	70,000	35,000	1,000	47
18	268,800	134,400	2,000	76
114	**428,085**	**214,043**		**168**

5.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. It is noted that 85% people in rural Gujranwala had improved sanitation services according to PSLM 2010-11 survey results. While mode of sanitation in rural Gujranwala was recorded as comprised of 92% Flush; 2% Non-flush; and 06 % no toilet. Open Defecation Free (ODF) in rural Gujranwala status was 03% according to MICS 2011.

5.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from CDO-PHED Gujranwala on rural sanitation system 2020 in Gujranwala is articulated in table below

Table 24: Sewerage and Drainage System in Gujranwala

1	**Sewerage Coverage**	
(i)	Area	1593 Acre
(ii)	Population (Design)	144904 persons
(iii)	Approximate Length of Total sewers lines	30 Km
(iv)	Size (Diameter Rage)	9 inch - 33 inch
(v)	No. of Disposal Stations	5 Nos
2	**Effluent/Discharge**	
(i)	Total Effluent/Discharge (Sewage / disposal station)	38 Cusecs
3	**Pumping Arrangements**	
(i)	No of Pumping Stations	12 No's
(ii)	No of Pumps	12 No's
(iii)	Total Pumping Capacity	38 Cusec
4	**Treatment Arrangements**	
(i)	No of Waste water treatment Plant	N.A
5	Is there any sanitation plan developed, if so please provide detail? No	
6	Please provide detail, if there is any outsourced sanitation services No	
7	Is there any Union for Sanitation services if so please provide detail? No	
8	Provide Existing Sewerage System Map, if any No	

5.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increased coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Complaint management system for sewerage and drainage services

5.4 WSS Interventions Proposed for Rural Gujranwala

Following interventions are proposed based on current situation assessment and future requirements by 2030 in rural areas of Gujranwala.

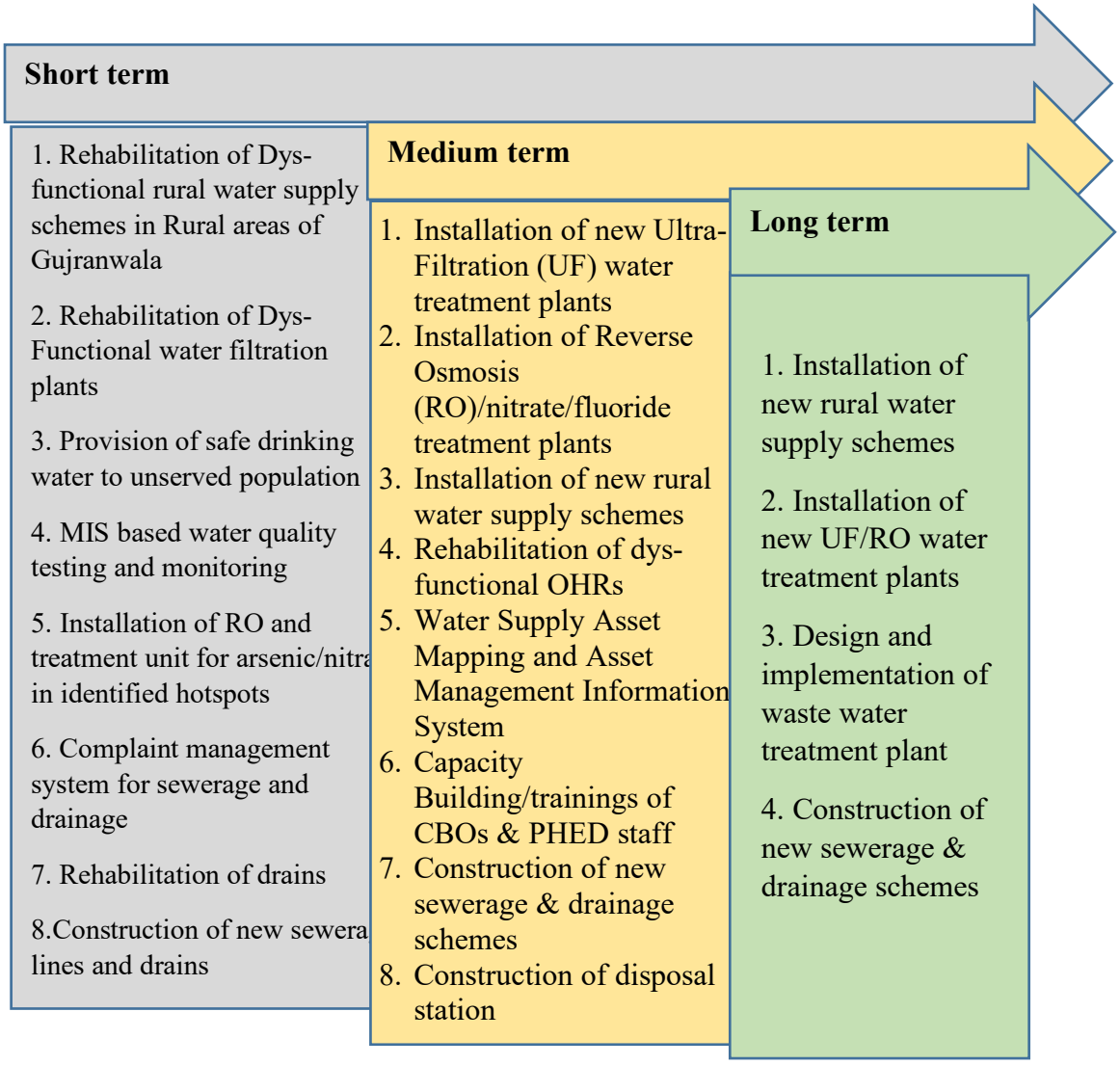


Figure 53: Proposed Interventions for Water and Sanitation sectorin Gujranwala

5.5 Recommendations for WSS sector in Rural Gujranwala

Following short (0-3 years), medium (3-5 years) and Long (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of Gujranwala

5.5.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- In current fiscal year portfolio, 87 Sewerage and drainage schemes of 6700 Million PKR having on-going status in Rural Gujranwala are present which needs to be completed at first priority by allocation of remaining 6,385 Million PKR.

- Similarly, only more rural water supply scheme, “Water Supply / PCC / Drainage Facility in Sodhrar Town, Tehsil Wazirabad, District Gujranwala” of worth 134 Million PKR was approved in ADP which should be completed by allocation of remaining 132 Million
- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Ensure enhanced coverage of groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders

5.5.2 Medium Term (3-5 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Strengthening PHED /CDU enough that they can implement their bylaws /MOU/water act in the field of water supply scheme.
- Logistic support should be provided for regular follow up as well as sustainability of schemes
- Strengthen Community based Organizations (CBOs) through technical and financial support
- Ensure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas
- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports

5.5.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of Gujranwala

- Outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

5.6 Proposed Projects List (2020-30) for Rural Gujranwala

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 25: Project Digest (2020-2030) for Rural Gujranwala

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 24 Dys-functional rural water supply schemes in Rural areas of Gujranwala (13 in Gujranwala Tehsil; 3 in Kamoke Tehsil; 5 in Wazirabad Tehsil; 3 in Nowshera Vikran Tehsil)	205.69	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Rehabilitation of 8 Dys-functional UF Plants in Rural areas of Gujranwala (6 in Gujranwala and 2 in Wazirabad Tehsil)	29.60	Short term	PHED	ADP
3	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 168 RO/Arsenic filter /Nitrate filter in 114 villages	403.20	Short term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP
4	Installation of sewerage and drainage scheme at Wahndo village in kamoke tehsil (having population of 20,000) and in Kalewala village in Wazirabad tehsil	10.48	Short term	PHED	ADP

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
	(having population of 4,622)				
5	Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring	1.00	Short term	Urban Unit +PHED	PPP
6	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Short term	Urban Unit +PHED	PPP
7	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
8	Installation of 358 new solar based UF plants of 1000 l/hr in 161 villages (each having population 2500-5000)	1,847.87	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
9	Installation of 293 cluster based UF plant of 1000 l/hr with sahulat center in in 462 villages (each having population less than 2500)	1,658.86	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
10	Installation of 248 new rural water supply schemes, each having capacity of 0.5 cusec each in 248 villages (each village having population of 2000-5000)	3,936.60	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
11	Installation of cluster based 73 new rural water supply schemes having capacity of 0.5 cusec each in 375	1,155.45	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
	villages (each having population less than 2000)				
12	Construction of sewerage and drainage schemes in unserved villages	6.35	Medium term	PHED	ADP
13	Installation of 387 new solar based UF plants of 2000 l/hr in 130 villages (each having population greater than 5000)	2,187.77	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
14	Installation of 158 new rural water supply schemes having capacity of 1 cusec each in 107 villages (each village of having population 5000-15000)	3,062.23	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
15	Installation of 89 new rural water supply schemes, each having capacity of 1.5 cusec each in 23 villages (each village having population of >15000)	1,991.92	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
16	Conduct feasibility study and Design and construction of wastewater treatment plant	6.23	Long term	PHED	CPEC
17	Construction of sewerage and drainage schemes in unserved villages	15.48	Long term	PHED	ADP

*

5.6.1 Projects Digest for WSS in Rural Areas of Gujranwala

Rehabilitation of Rural Water Supply Schemes (Sr. No 1)

Category: Short Term (0-3 Years)

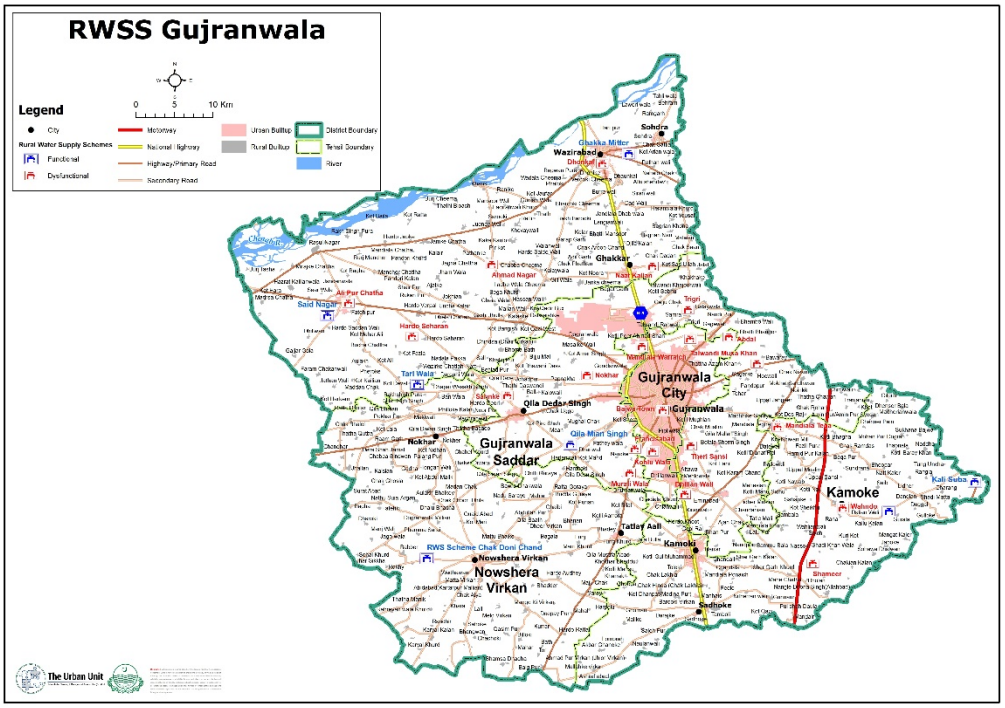
Scope:

The proposed project covers rehabilitation of 24 Dys-functional rural water supply schemes in Gujranwala, (13 in Gujranwala Tehsil; 3 in Kamoke Tehsil; 5 in Wazirabad Tehsil; 3 in Nowshera Vikran Tehsil). All schemes are present in sweet water zone except of one in Kamoke. These schemes were dys-functional majorly due to damaged distribution system and non-payment of WAPDA dues. Rehabilitation will cover the replacement of old damaged lines, and installation of transformer. Rehabilitation of these schemes will serve approximately 350,000 populations of 24 villages who are currently deprived of tap water. Implementation of project will enhance water supply coverage by 20% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby water source. The List of dys-functional schemes and mapped points of schemes are given.

Table 26: List of dys-Functional Schemes to be rehabilitated in Gujranwala

Sr. No.	Name of Dys-Functional Scheme	Tehsil
1	RWS Scheme Sahnke	Gujranwala
2	RWS Scheme Abdal	Gujranwala
3	RWS Scheme Talwandi Khajoor Wali	Gujranwala
4	RWS Scheme Aroop	Gujranwala
5	RWS Scheme Trigri	Gujranwala
6	RWS Scheme Mandiala Warraich	Gujranwala
7	RWS Scheme Kohlu Wala	Gujranwala
8	RWS Scheme Francisabad	Gujranwala
9	RWS Scheme Murali Wala	Gujranwala
10	RWS Scheme Bajwa Town	Gujranwala
11	RWS Scheme Dhillan Wali	Gujranwala
12	RWS Scheme Theri Sansi	Gujranwala
13	RWS Scheme Talwandi Musa Khan	Gujranwala
14	RWS Scheme Ali Pur Chatha	WazirAbad
15	RWS Scheme Hardo Seharan	WazirAbad
16	RWS Scheme Ahmad Nagar	WazirAbad
17	RWS Scheme Naat Kallan	Wazir Abad
18	RWS Scheme Dhonkal	Wazir Abad

19	RWS Scheme Shameer	Kamoke
20	RWS Scheme Wahndo	Kamoke
21	RWS Scheme Mandiala Tega	Kamoke
22	RWS Scheme Nokhar	Noshehra Virkan
23	RWS Scheme Karyal Kalan	Noshehra Virkan
24	RWS Scheme Nathu Sevia	Noshehra Virkan



Rehabilitation of 8 Rural Water Filtration Units (Sr. No 2)

Category: Short Term (0-3 Years)

Scope:

It aims to provide clean drinking water facility based on minimum requirement set by World Health Organization, ensuring provision of potable water to rural households. The proposed project covers rehabilitation of 08 Dys-functional rural water treatment Microfiltration (MF) plants in Gujranwala, 6 in Gujranwala and 2 in Wazirabad Tehsil. These all MF treatment units, each having capacity of 1400 l/hr, were installed during 2009- 2010 which are currently dys-functional due to out of order machinery and theft of taps. Rehabilitation will cover full assessment of treatment plant including replacement of MF membranes, screen filter, filter media (carbon filter, sand filter), repair of feed pump, maintenance/replacement of treated storage tank, meters, pumps, as per requirement, borehole test, repair of civil works, backwashing process, electricity source, water quality testing of source water and treated water. Rehabilitation of existing treatment plant schemes will provide treated drinking water to approximately 55,000 population of 8 villages. Implementation of project will enhance drinking water supply coverage by 03% to unserved population. The provision of treated water will not only protect from diseases but also will save the time to fetch water from farther treatment unit. The List of dys-functional MF plants and their maps are given.

Table 27: List of dys-Functional Filtration Plants to be rehabilitated in Gujranwala

Sr. No.	Name of Water Filtration Plant	Tehsil
1	Rural Water Filtration Plant Bhatti Bhango	Gujranwala
2	Rural Water Filtration Plant Uggo Chak	Gujranwala
3	Rural Water Filtration Plant Maddu Khalil	Gujranwala
4	Rural Water Filtration Plant Botala Jhanda Singh	Gujranwala
5	Rural Water Filtration Plant Kot Bowanidas	Gujranwala
6	Rural Water Filtration Plant Trigri	Gujranwala
7	Rural Water Filtration Plant Dhonkal	Wazirabad
8	Rural Water Filtration Plant Banka Cheema	Wazirabad

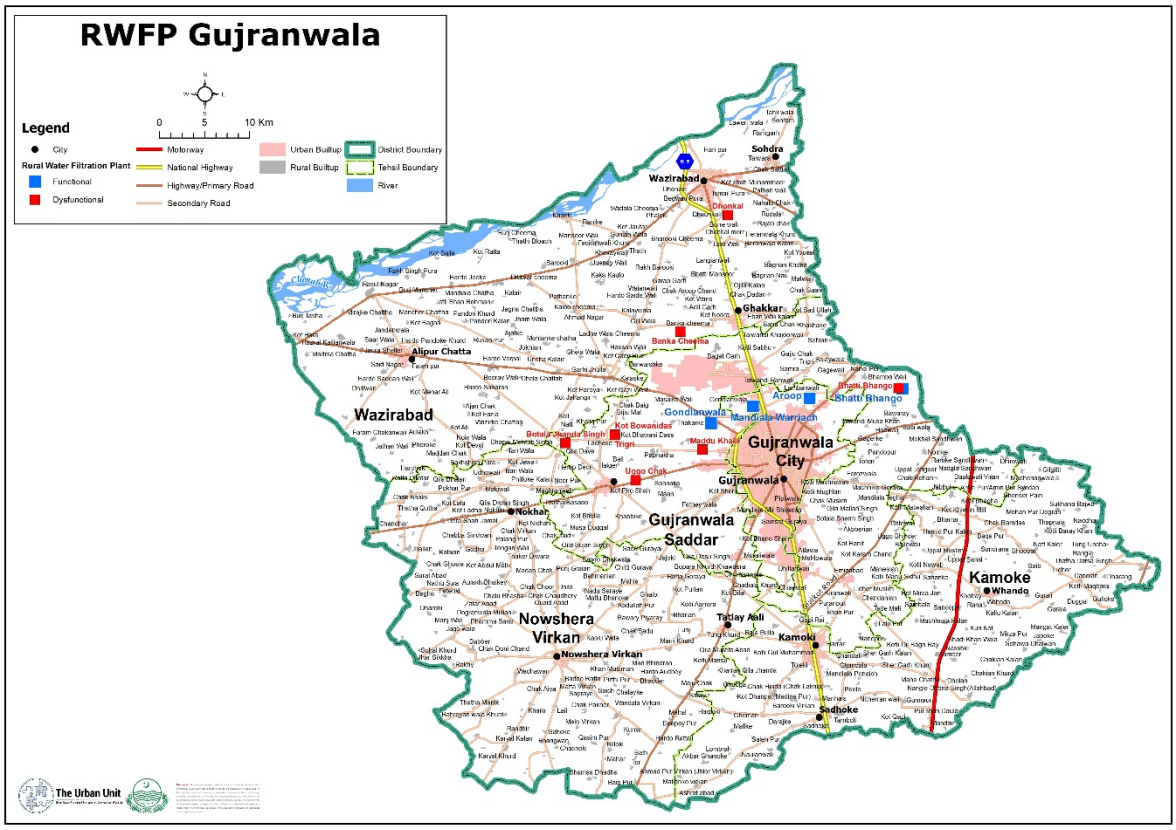
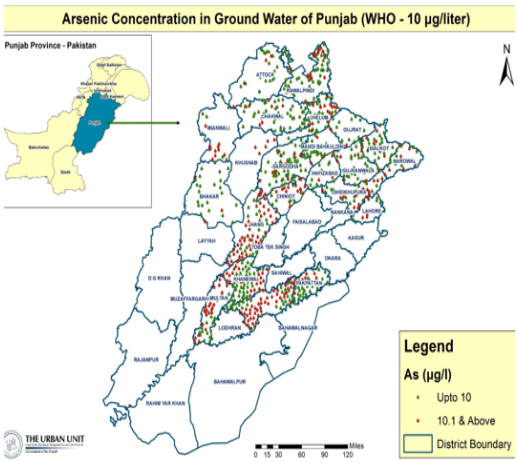


Figure 55: Mapping of Dys-functional UF plants to be rehabilitatedin Gujranwala

Groundwater quality testing coverage in identified hotspot villages and installation of proposed 168 RO/Arsenic filter /Nitrate filter in 114 villages (Sr. No 3)

Category: Short Term (0-3 Years)

Scope:



This projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas of Gujranwala so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator. *

It is noted from secondary water quality analysis that 140 samples of TDS had value exceeding the maximum limit of 1000 ppm that can affect 500000 people of 114 villages who are using the brackish water. It is proposed that water quality testing should be done in identified villages and install RO and arsenic, nitrate and fluoride removal plants. The treatment unit will be constructed involving power source, testing of water source, pre-fabricated storage tanks, RO modules, Arsenic/nitrate filter tanks, backwashing process, taps, pumps and valves set up etc. From statistical analysis of safe water need, it is calculated that cluster based 45 RO units of 1000 l/hr capacity will be required and installed in 76 villages; 47 plants each of 1000 l/hr in 20 villages and 76 plants of each 2000 l/hr in 18 villages. Total approximately 5, 00, 000 people will be benefited from the availability of safe drinking water through installation of RO plants. Similarly, it is observed that 67 and 53 samples had fluoride and nitrate contamination which can be removed through installation of nitrate and fluoride removal membranes/media along with RO membranes.

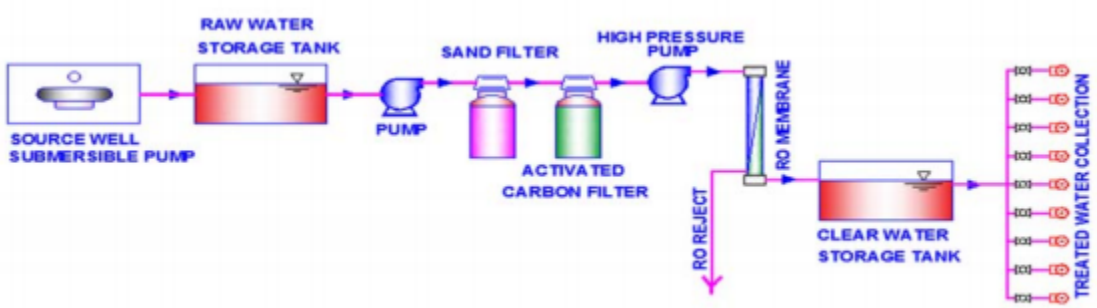


Table 28: Identified Villages for water contamination in Gujranwala

tehsil name	village name	TDS	tehsil name	village name	TDS	tehsil name	village name	TDS
Wazirabad	Peer kot	9366	Nowshehra Virkan Town	Noushera Wirkan	1484	Kamoke Town	Kasoki	1240
Wazirabad	Kot Nora	8177	Kamoke Town	Mangat kallar	1440	Wazirabad	Jamke chatha	1236
Kamoke Town	Saich Kallar	7407	Aroop Town	Sondra mor	1430	Kamoke Town	Din Dara da dera	1230
Wazirabad	Ladhaywala	7133	Wazirabad	Sayed abad	1380	Wazirabad	Kathor kalan	1220
Wazirabad Town	Tarindi Bala	6703	Kamoke Town	Dharang	1380	Wazirabad Town	Waianwala	1220
Kamoke Town	hata devi diyal	6201	Wazirabad	Riarh	1367	Kamoke Town	Dargapur	1220
Wazirabad Town	Khanki	1990	Nowshehra Virkan Town	Saich	1360	Wazirabad	Derwaishke	1218
Kamoke	gunaur	1944	Kamoke	shadi khan	1360	Gujranwala	puranpur	1216
Kamoke Town	Bole bajwa	1846	Kamoke Town	Dharang	1350	Wazirabad	Gurali	1214
Kamoke Town	Kali Chuknawa	1680	Kamoke Town	Gurala	1340	Gujranwala	chandniawali	1212
Kamoke	gunaur	1601	Nowshehra Virkan Town	Palangpur	1320	Wazirabad	Thatti Arain	1202
Wazirabad	Ladhy walla. CHeema	1574	Kamoke Town	Kali Chuknawa	1320	Wazirabad	Thatti Arain	1202
Kamoke	qazi kot	1565	Kamoke Town	Thatta Rao	1300	Gujranwala	baddoki gosian	1200
Kamoke Town	Dandia	1560	Khali Shahpur Town	dhariwal	1300	Gujranwala	baddoki gosian	1200
Kamoke Town	Bole bajwa	1560	Nowshehra Virkan Town	Phillоke khurd	1280	Kamoke Town	Bhopar	1200
Wazirabad Town	Jamke chatha	1520	Kamoke Town	Din Dara da dera	1280	Kamoke Town	Dandia	1200
Kamoke Town	Kotli Maqbara	1500	Qila Didar Singh Town	nawan pind	1270	Kamoke Town	Mirzapur(Miraza kot)	1190
Kamoke Town	Rustam pur	1490	Wazirabad	Nai wala	1253	Kamoke Town	Eminabad	1190
Kamoke Town	Rustam pur	1490	Nowshehra Virkan Town	Udoki	1250	Wazirabad	Rukan Pur	1184
Kamoke	pul shah dola	1182	Wazirabad	Pandoki khurd	1130	Aroop Town	Chandniyan	1085
Nowshehra Virkan Town	Saich	1180	Qila Didar Singh Town	harlan wali kot mand	1130	Nowshehra Virkan Town	jammu wala dera	1080
Nowshehra Virkan Town	dhoni chak	1170	Kamoke Town	Saboki	1130	Wazirabad	Ladhaywala	1076
Aroop Town	bhuttanwala	1170	Nowshehra Virkan Town	Tariwala	1121	Gujranwala	kot bhuta	1074
Kamoke Town	Bharoke	1170	Gujranwala	kot bhuta	1120	Wazirabad Town	Naiwali	1070
Kamoke	mari thakran	1163	Wazirabad Town	Rasulnagar	1120	Nowshehra Virkan Town	Hardu Udhe	1070
Wazirabad	Salhoki chatha	1162	Kamoke Town	Dargapur	1120	Wazirabad Town	Panjgran	1070

tehsil name	village name	TDS	tehsil name	village name	TDS	tehsil name	village name	TDS
Kamoke Town	Qila Jhanda	1160	Qila Didar Singh Town	harlan wali kot mand	1110	Kamoke	dera baba shukr din	1066
Kamoke Town	Kotli Gujran	1160	Kamoke Town	Gurala	1110	Wazirabad	Bahoo chak	1060
Kamoke	kuri kot	1150	Wazirabad	Pandori kalan	1108	Wazirabad Town	Kot Saish	1060
Wazirabad Town	Jamke chatha	1150	Wazirabad	Pandoki khurd	1108	Kamoke Town	Nagal duna sing	1060
Wazirabad Town	Madan chak	1150	Wazirabad Town	Harkaran	1100	Wazirabad Town	Kot Saish	1060
Kamoke Town	salar	1150	Aroop Town	Pandopur	1095	Kamoke Town	Dholan	1060
Gujranwala	keran wali	1145	Gujranwala	puranpur	1093	Kamoke Town	Kalu khurd	1060
Wazirabad Town	Thatta Faqirullah	1140	Kamoke Town	Ghanian	1090	Kamoke Town	Mirzapur(Miraza kot)	1060
Kamoke	kamadian wala	1140	Kamoke Town	Dera Bajwa	1090	Kamoke Town	Saib	1060
Kamoke Town	Saboki	1140	Wazirabad	Thoian.	1088	Wazirabad	Mansoorwali	1058
Wazirabad	Rattowali	1133	Kamoke	kuri kot	1086	Wazirabad	Rattee	1053
Wazirabad	Rattowali	1133	Aroop Town	Chandniyan	1085	Wazirabad	Kat Riarh	1051
Kamoke Town	Gurali	1050	Kamoke	tarrar	1017	Wazirabad	Pandori khurd	1035
Kamoke Town	Manes	1050	Nowshehra Virkan Town	Babbar	1014	Wazirabad Town	Baghrian	1032
Wazirabad Town	Ahmad Nagar	1050	Wazirabad Town	shellarbasti	1010	Kamoke Town	taung bucha	1030
Wazirabad Town	Vinjowali Kalan	1050	Nowshehra Virkan Town	Bakshishpura	1010	Kamoke Town	Kotli Gujran	1030
Wazirabad	Pandori kalan	1044	Nowshehra Virkan Town	Shamsa	1010	Kamoke Town	Saich Kallar	1030
Wazirabad	Mandiala chatha	1043	Wazirabad Town	Delha chatha	1010	Nowshehra Virkan Town	Udoki	1030
Wazirabad	kot Ali	1039	Wazirabad Town	Naiwali	1010	Wazirabad	Wadala cheema	1029
Nowshehra Virkan Town	Gobinpura	1020	Nowshehra Virkan Town	dhoni chak	1020	Wazirabad	Wadala cheema	1029
Kamoke Town	Qadian	1020	Kamoke Town	Sohawa	1020			

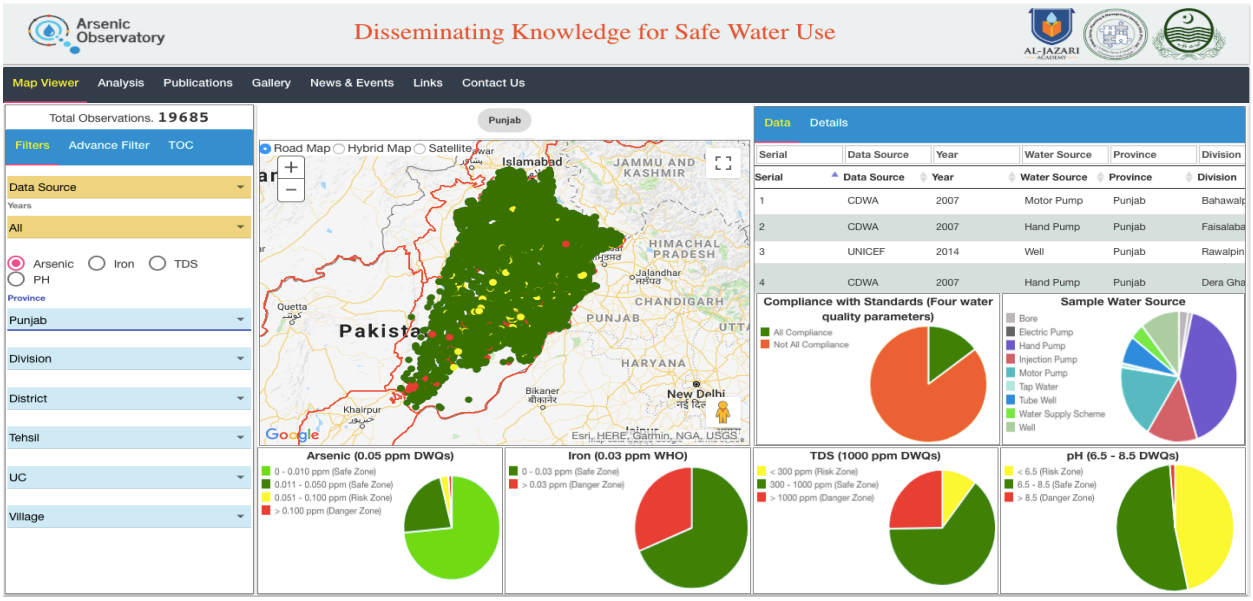
Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring (Sr. No 5)

Category: Short Term (0-3 Years)

Scope:

The projects aims to establish GIS based water quality monitoring dashboard system for Screening of the real hotspot areas based on accurate sampling, testing and data analysis and taking right decision of installation of type of water treatment units. Interface of dashboard will be developed for water quality live monitoring. Furthermore, Mobile application will be developed for water quality sample data collection and directly linked with MIS based monitoring dashboard. Secondary water quality data available will also be uploaded on dashboard. A sampling and a testing regime for water quality parameters across the ground water sources in rural areas will be developed so that water quality status of whole district/region is accurately reported/placed at one place and true hotspot areas will be marked and pointed geo spatially. Water quality tests will be carried out either in PHED laboratory or in mobile lab and respective results will be uploaded on live portal. The dashboard will give real time analysis of water quality situation and give directions where interventions are needed. The web portal results will also be accessible easily on mobile app for users to check water quality levels in their waters. Dedicated staff personnel will be deputed for monitoring of dashboard and data management and analysis. Automatic Monthly Progress reports of water quality will be generated and monitored.



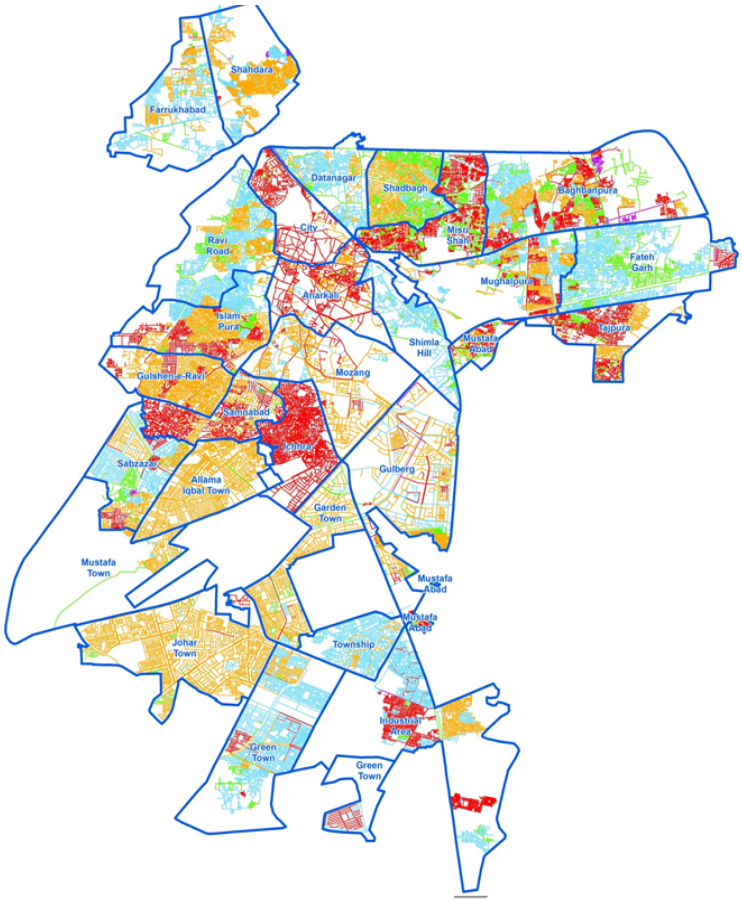


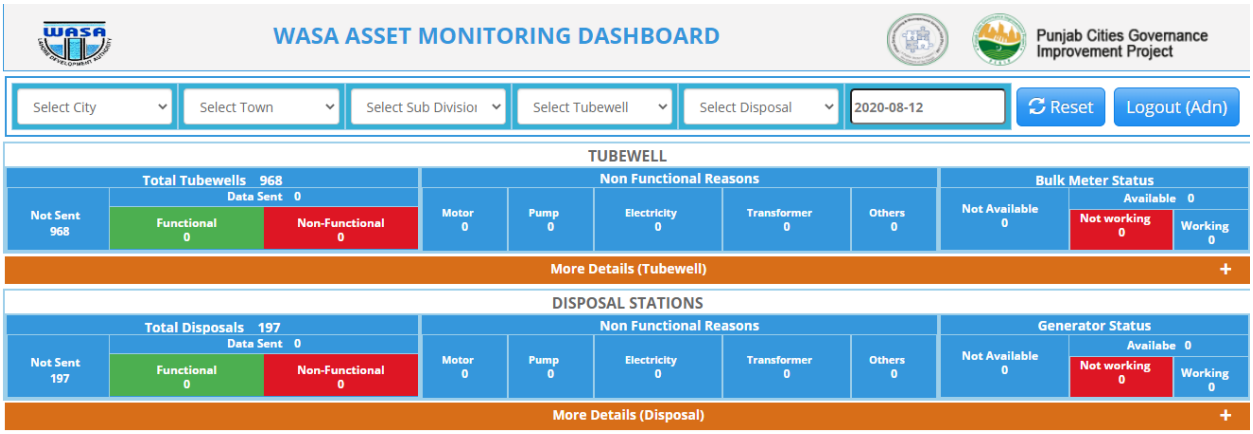
Implementation of WSS Asset Mapping and Asset Management Information System (Sr. No 6)

Category: Short Term (0-3 Years)

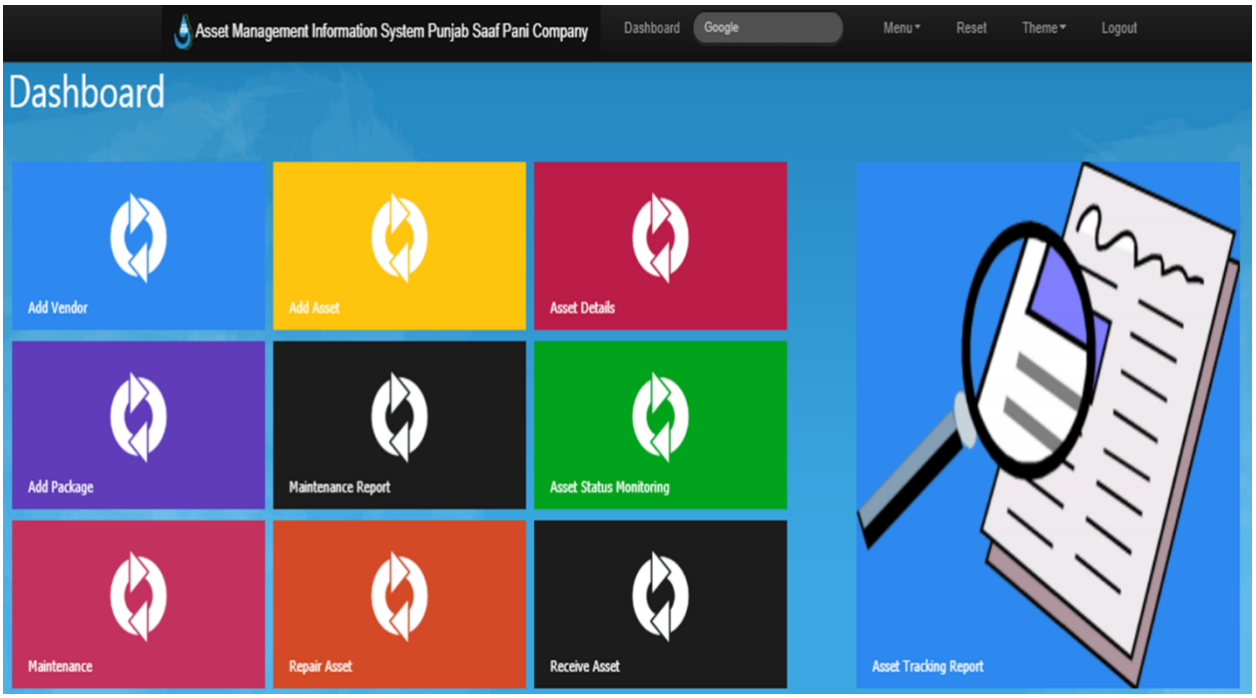
Scope:

Its objective is to manage and monitor all water and sanitation infrastructure present in rural areas. It will help in development of database, assessment of infrastructure condition, and taking right decision for investment in upgradation or rehabilitation of structure. GIS based dashboard and data collection mobile app will be developed. Survey will be carried out to map all water and sanitation (WSS) assets along with their condition through mobile application. Dashboard will be developed backing satellite imagery based population and rural settlements with overlaying of WSS infrastructure. Module will lead to decision support system to identify gaps, traps leakages and identify need for priority interventions. The system will also produce consolidated reports based on the attribute data put into the GIS based asset inventory.





The reports will help to make decisions regarding replacement of assets, their timely repair and maintenance and will provide a better control and monitoring mechanism. This support system should link engineers, planners and field support staff to middle management. Once



Gujranwala Regional Development Plan 2030



District Sialkot

RURAL

6 Section-I Rural District Sialkot Profile

6.1 Location Boundary

Sialkot is one of the district among six districts of Gujranwala Division of Punjab. Rural area of Sialkot district comprises of four tehsils namely Sialkot, Pasrur, Daska, and Sambarial. Map of rural areas settlements at tehsils level is shown in figure 56.

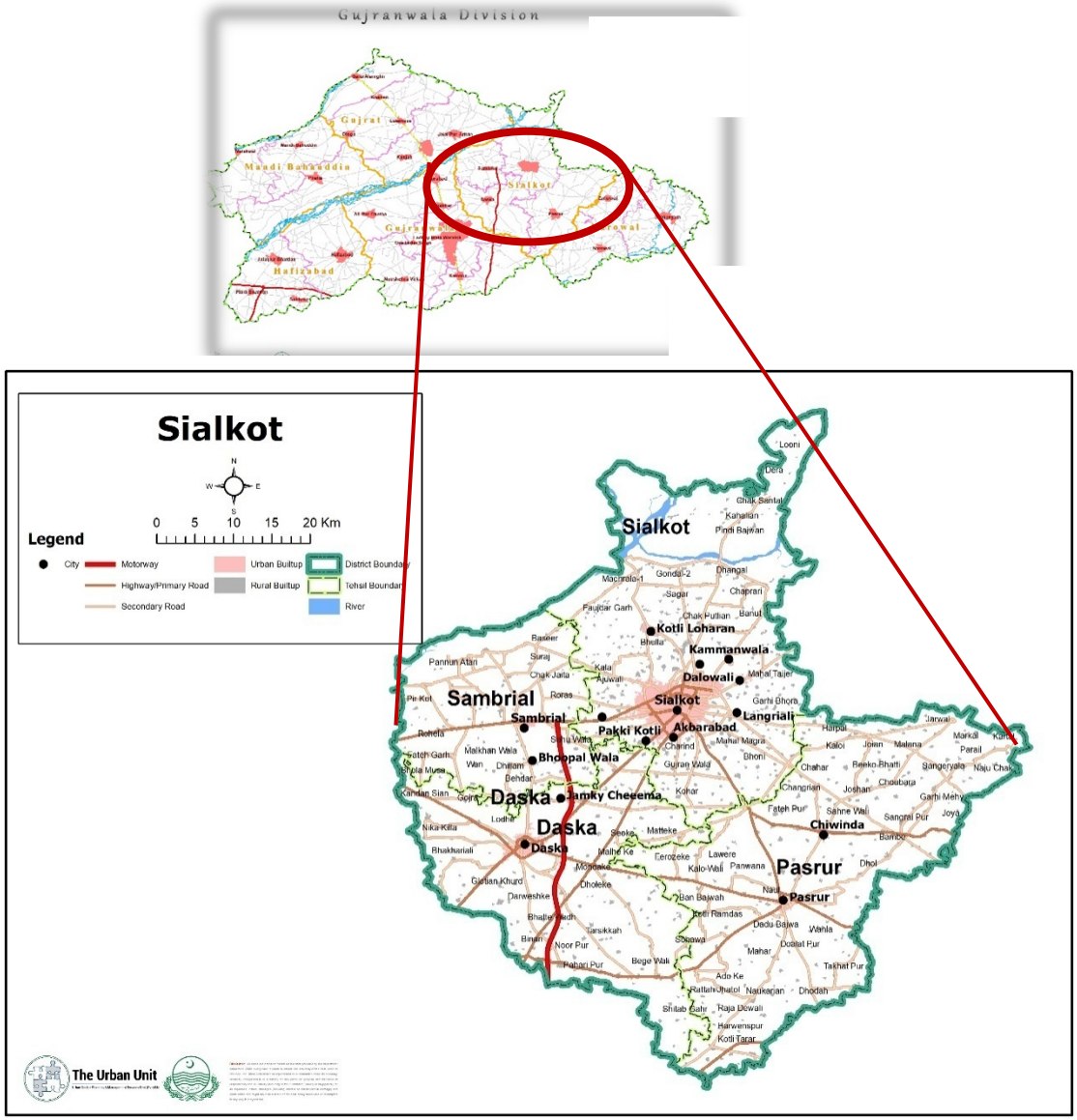


Figure 56: Boundary of Rural Sialkot

6.1.1 Geography

Sialkot District is located in the north-east of the province. Sialkot District lies southeast of Gujrat District, southwest of Jammu district, while Narowal District is to the southeast and Gujranwala District is situated to the west. Sialkot district is spread over an area of 3,016 square kilometers. The city of Sialkot is the capital of the district. It is the third richest city in Pakistan. In Sialkot, cantonment was established in 1852. The natural surface elevation of the district varies from 800 to 900 feet above mean sea level. The district area is drained by Rivers Chenab and Ravi. Sialkot district is a part of Rechna Doab.

6.1.2 Demography

According to 2017 census Sialkot District's population is 3.89 million and 71% resides in rural. Rural population was 2.75 million in 2017 with equal 48:51 male to female ratio. Rural population and households present in 1,525 villages of Sialkot district as per census 2017 and projected population for next 10 years by considering population growth rate of 1.85 is mentioned in table below.

Table 29: Demography of Rural Sialkot

		Population (2017)	HH (2017)	Estimated Population (2030)
Sialkot District	**Rural**	**2,750,310**	**400,653**	**3,490,399**
Sialkot Tehsil	Rural	1,114,681	164,854	1,414,634
Pasrur Tehsil	Rural	719,225	102,027	912,763
Daska Tehsil	Rural	643,160	92,693	816,230
Sambrial Tehsil	Rural	273,244	41,079	346,772

6.2 Section-2 Rural Water Supply System

Primary source of surface water for Sialkot District is River Chenab. Extensive canal system, off-taking from Marala Barrage, irrigates agricultural lands of these districts. Name of the main canal irrigating the area is Marala-Ravi Link Canal.

The main source of drinking water in area is groundwater which is extracted through hand pumps, shallow and deep tube-wells. Groundwater present in Sialkot district, currently used as source of drinking water majorly comprises of fresh water zone. A research study in 2009 indicated the presence of high turbidity, iron and lead concentration in the groundwater of Sialkot. Secondary analysis of groundwater quality by UNICEF & PHED in 2016 revealed 3% TDS contamination, while arsenic, nitrate and fluoride contamination was found out at 1-6% in some areas. Pak Medical Centre (PMC), Sialkot study to investigate the drinking water quality in 2017 revealed the detection of notable amount of iron and microbiological contamination.

Improved drinking water in rural Sialkot with contribution of 15 % tap water; 08 % hand pump and 77 % motor pump was present as per PSLM 2012-13 survey which tell the high usage of motor pump and least access of tap water.

Major information acquired from CDO PHED Sialkot on current rural water supply system 2020 in Sialkot is articulated in table 31

Table 30: Rural Water Supply System in Sialkot

Sr. No.	Item	Value
1	**Coverage**	
(iv)	Water supply coverage area	21%
(v)	Population	534,000 No's
(vi)	No of zones	4
(vii)	Non-Revenue Water	10 %
(viii	Un-accounted Water	10 %
2	**Ground Water (tube wells based system)**	■ Yes ☐ No
	In case of yes, provide following details;	
(iii)	No of Tube Wells	Total No.141 ☐ Functional 90 ☐ Non-Functional 51
(iv)	Capacity of Functional Tube Wells	0.25,0.50,0.75 & 1.0 cusec
(v)	No of Bulk water meters	0 No's
3	**Surface Water (filter based system / waterworks)**	☐ Yes ■ No
4	**Water Filtration Plants**	
(vii)	No of Water filter plants	Total No. __25__ ☐ Functional 12 ☐ Non-Functional 13

Sr. No.	Item	Value
(viii	Type of Water Treatment Technology installed	UF
(ix)	Total water Supply	15000 G/day
(x)	Total water demand	100000 G/day
(xi)	Duration (Supply Hours)	2-3 Hrs/day.
(xii)	Operate by:	Community self
(xiii	Maintained by:	Community self
5	**Connections**	PHED RWSS only
(iv)	Domestic Connections	25,927 No's
(v)	Metered Connections	320 No's
(vi)	Commercial Connections	100 No's
(vii)	Industrial Connections	0 No's
(viii	Hypo chlorinator	62 No's
6	**Water Consumption**	
(vi)	Per Capita water Consumption	15 G/day Lpcd
(vii)	Total Water Consumption	12 MGD
(viii	No of Overhead Reservoirs	Total No. ___15__ ☐ Functional 5 ☐ Non-Functional 10
(ix)	Capacity of Overhead Reservoirs	0.9 M Gallons
(x)	Ground Water Storage Tank	0
(xi)	Capacity of Ground Water storage tank	M.Gallons
7	**Water Distribution Network**	
(iii)	Type of Distribution pipe network	3,4,6,8,10 Inch,PVC only (Type: e.g. AC/PVC)
(iv)	Approximate pipe length	220 Km
8	**Staff**	
(vi)	Total Staff for W/S Management	No staff for management and maintenance of water supply and F.P in PHED. All schemes handed over to Local Government and Community (CBOs) for successful O & M on self help basis.
9	Design Criteria	Brackish/sweet/Population based
10	**Others**	
(iv)	Is there any MIS system for assets management?	☐ Yes ■ No

Sr. No.	Item	Value
(v)	Is there any MIS system for water quality monitoring?	☐ Yes ■ No
(vi)	Is any water quality lab available? *In case of yes, please provide their number and location with coordinates*	■ Yes ☐ No ____1_ No's 32.495255,74.5067

6.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. Although water supply is being provided via distribution lines with little coverage in rural areas. PHED' design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level' water demand is calculated because of scattered settlements present at farthest distance from each other. While 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 31: Water Demand in Sialkot

Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)
Up to 5000	10	5,001-10,000	15	10,001-20,000	20	20,001-50,000	30

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	2030	2020	2030
Sialkot Tehsil	86,107,360	108,172,371	3,733,362	4,484,461
Pasrur Tehsil	41,439,167	51,126,245	2,408,877	2,893,508
Daska Tehsil	44,668,193	55,969,784	2,154,112	685,460
Sambrial Tehsil	17,221,472	22,065,011	915,168	1,099,285
Total Rural	**189,436,192**	**237,333,411**	**9,211,519**	**9,162,713**

6.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in Sialkot tehsils is groundwater. Total 135 Rural water supply schemes are currently present for provision of water supply. Furthermore, 25 rural water filtration plants (RWFPs) are also installed by PHED.

6.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. Distribution of RWSS in tehsils of Sialkot is given below. All 135 RWSS are installed by PHED

in tehsils of Sialkot. Maximum no of schemes are present in Pasrur tehsil. Among all installed schemes, currently, only 63% water schemes are in working condition while 37% water supply schemes are non-functional.

Furthermore, working condition of RWSS in % age in tehsils of Sialkot is illustrated through graph. It is observed that large number of water supply schemes are non-functional in Pasrur and Daska tehsils which need concern and attention towards its rehabilitation and to ensure water coverage to rural population.

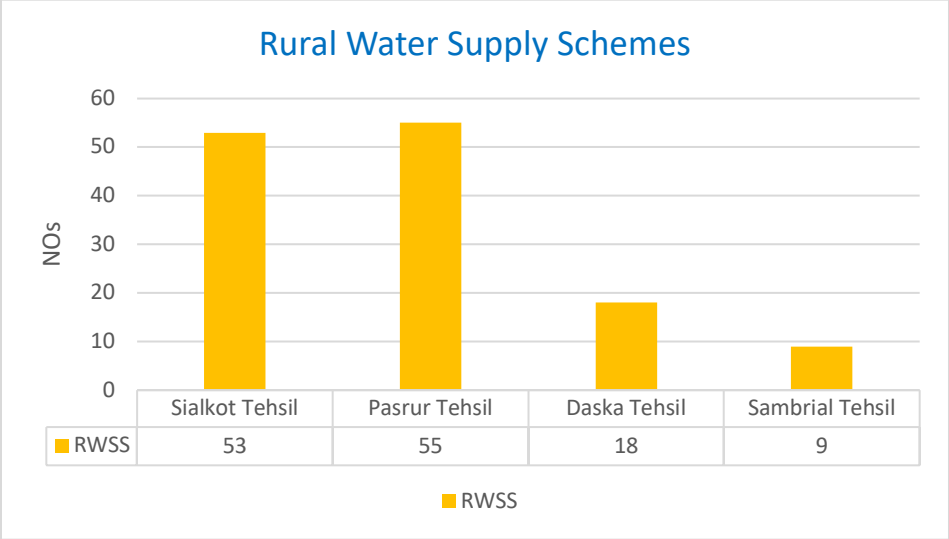


Figure 57: Total Rural Water Supply Schemes (RWSS) in Sialkot

It is noted that all functional and as well as non-functional schemes are present in sweet water zone as per data provided by PHED. It is observed that from 85 functional schemes, 77 water supply schemes are running smoothly while 8 schemes are temporarily dys-functional due to road construction, motor burning, construction and

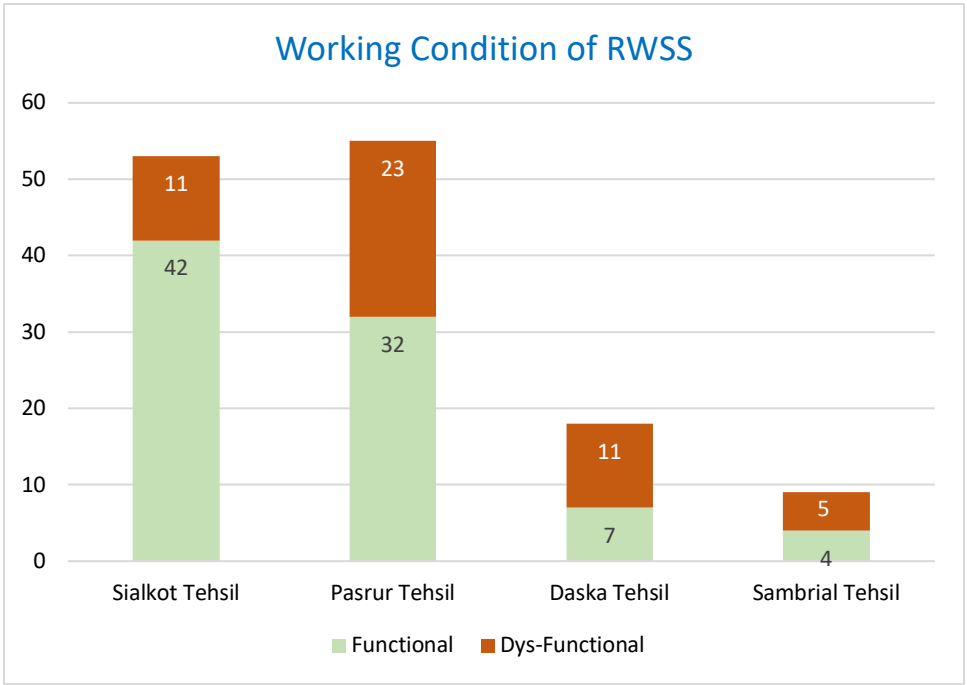


Figure 58: Working Condition of Water Supply Schemes in Sialkot

laying of sewerage and sui gas lines, leakages while it is mentioned that efforts are being made to sort out the issues and settle matters with CBOs to make these functional in near time.

It is detected that 12% schemes become dys-functional before 2000 and 16% during 2000-2010 while Large number of schemes (72%) become dysfunctional after 2010 due to multiple reasons. Reasons of failure of schemes are (i) absence of electric connection due to non-payment of wapda dues; (ii) damage of T/Well, Pumping Machinery, Pumping Chamber, Distribution System; (iii) 30% source failure.

Spatial location of functional and dys-functional water supply schemes installed in tehsils of Sialkot is presented in maps

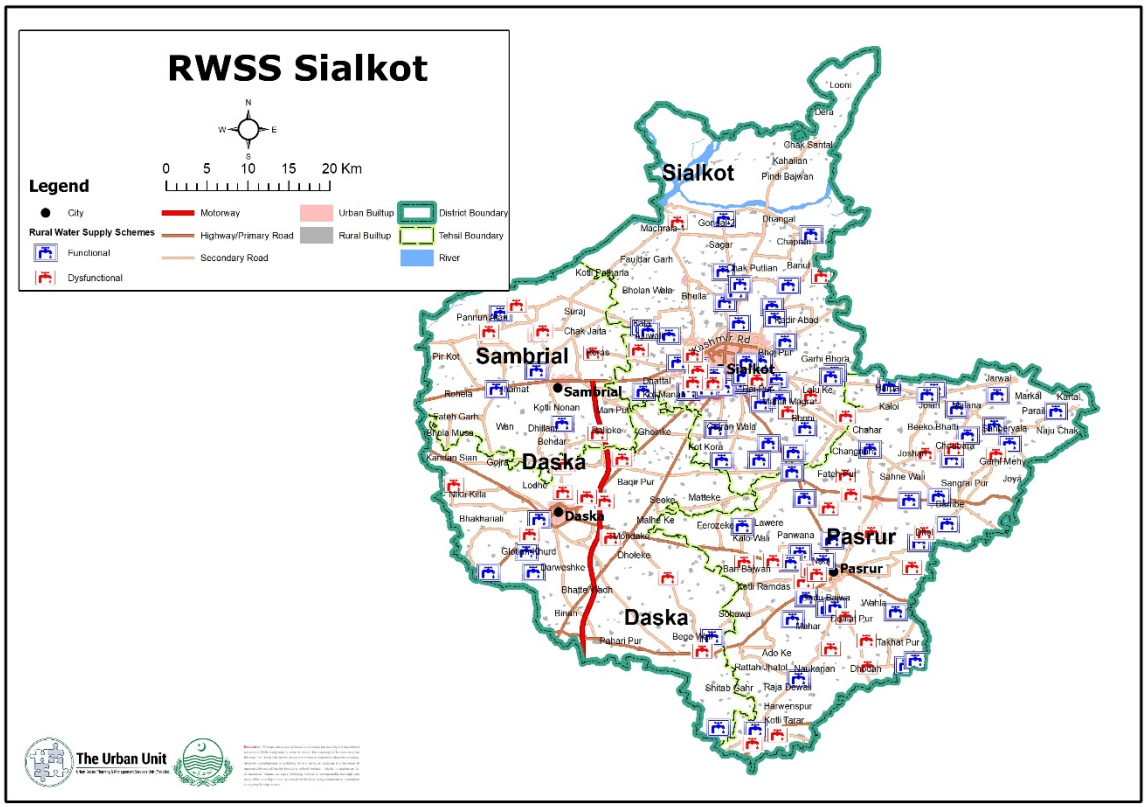


Figure 59: Mapping of Functional & Dys-Functional Water Schemes in Sialkot Tehsils

6.2.2.2 OHRs

There are 15 Overhead Reservoirs with 0.9 Million Gallons capacity are present among which 5 are functional and 10 are non-functional.

6.2.2.3 Treatment Units

There are 25 Ultra filtration plants installed in tehsils of Sialkot from which currently just 12 (48%) water treatments plants are functional and remaining 13 (52%) plants are non-functional. All functional as well as non-functional plants are of 4000 litre/hour capacity.

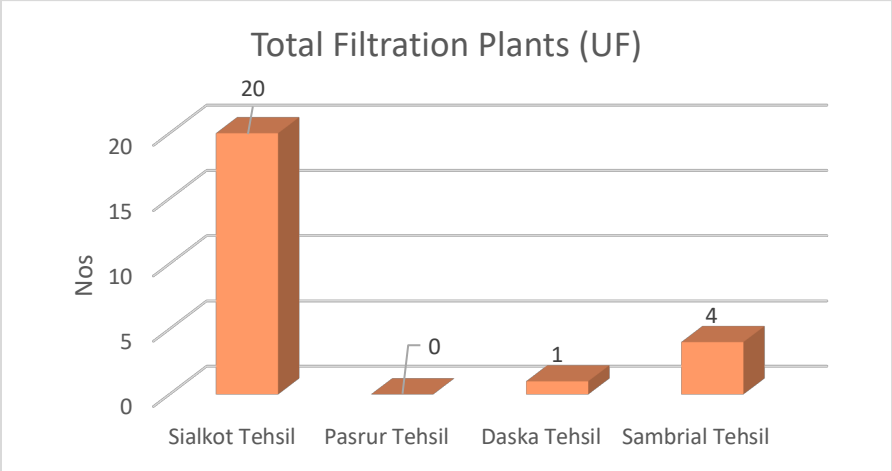


Figure 60: Number of Filtration Plants in Sialkot

Furthermore, Functionality of filtration units in tehsils of Sialkot is displayed in figure 61. It is noted that no treatment plant is present in Pasrur tehsil. Majorly, all current dys-functional plants are installed in 2010. All dys-functional treatment unit are present in fresh water zone.

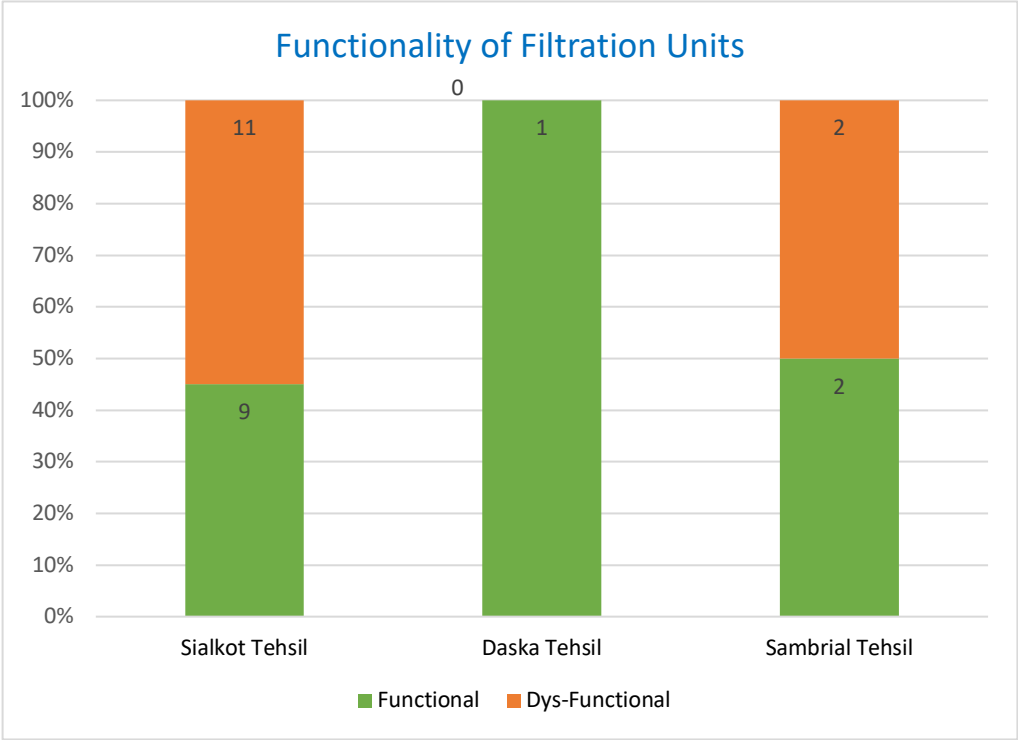


Figure 61: Functional & Dys-Functional Filtration Unitin Sialkot

Spatially marked locations of water treatments plants in Sialkot rural areas is shown in figure 62.

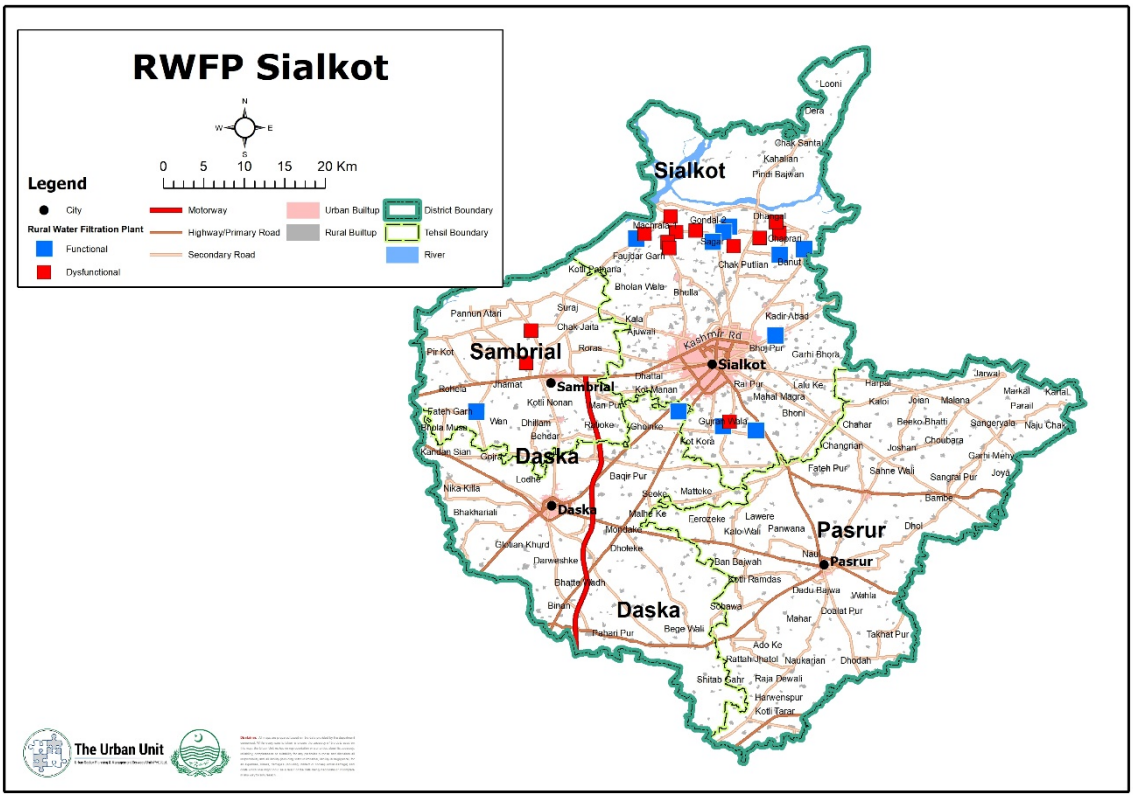


Figure 62: Mapping of Functional & dys-Functional Filtration Plants in Rural Sialkot

6.2.3 Water Quality Situational Analysis

Sialkot laboratory is being used for testing analysis of water quality in rural areas. Primary water quality data of 84 samples was provided by CDO Sialkot.

According to old PHED 2011-12 data, it was observed that 35% villages in Sialkot had chemically unfit drinking water while 45% samples were bacteriologically contaminated which indicated serious concern of situation of water quality (PHED UNICEF 2011-12)

6.2.3.1 Primary Water Quality Analysis

According to water quality data provided by Community Development Officer (CDO) of Sialkot PHED, multiple water quality parameters at rural water supply schemes are being checked and monitored. Physical parameters including Odor, Color and Taste; Chemical parameters including pH, Turbidity, TDS, Calcium, Magnesium, Hardness, Alkalinity, Chloride, Electrical conductivity and Bi-carbonate; and Bacteriological parameters including Total Coliforms data was provided by CDO PHED Sialkot at 84 rural water supply schemes of which results revealed out to be safe as were found within permissible limits

6.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 2,000 – 170,000 population of rural population may be at risk.

Highest percentage of water contamination are observed for nitrate and TDS respectively.

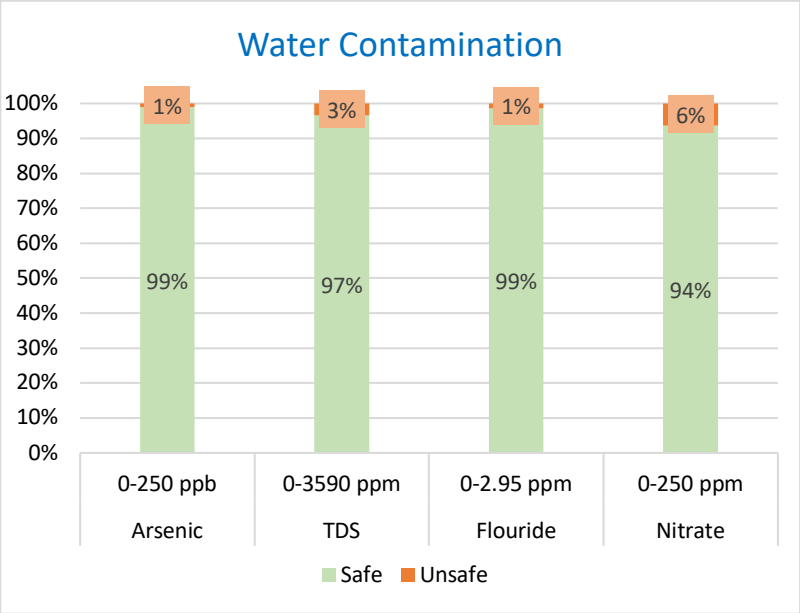


Figure 63: Graphical representation of Water Quality Contamination in Rural Area of Sialkot

Samples taken from 0-809 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only arsenic and fluoride are safe in area as just 1% contamination was found exceeding NEQs limit. While presence of remaining TDS, and especially nitrate contamination is of concern and point out the need for installation of Reverse osmosis and other contaminant removal membranes on actual water quality re-confirmation.

Table 32: Secondary water quality results in Rural Sialkot

Arsenic 0-250 ppb		**TDS 0-3590 ppm**		**Fluoride 0-2.95 ppm**		**Nitrate 0-250 ppm**	
No of Samples							
Total	272	**Total**	2841	**Total**	282	**Total**	272
0-10 ppb	230	**0-1000 ppm**	2744	**0-1.5 ppm**	278	**0-50**	255
11--50 ppb	39	**1000-2000 ppm**	89	**>1.5 ppm**	4	**>50**	17
>50 ppb	3	**>2000 ppm**	8				

Spatially mapped secondary water quality data is drawn and illustrated in figures 64-67.

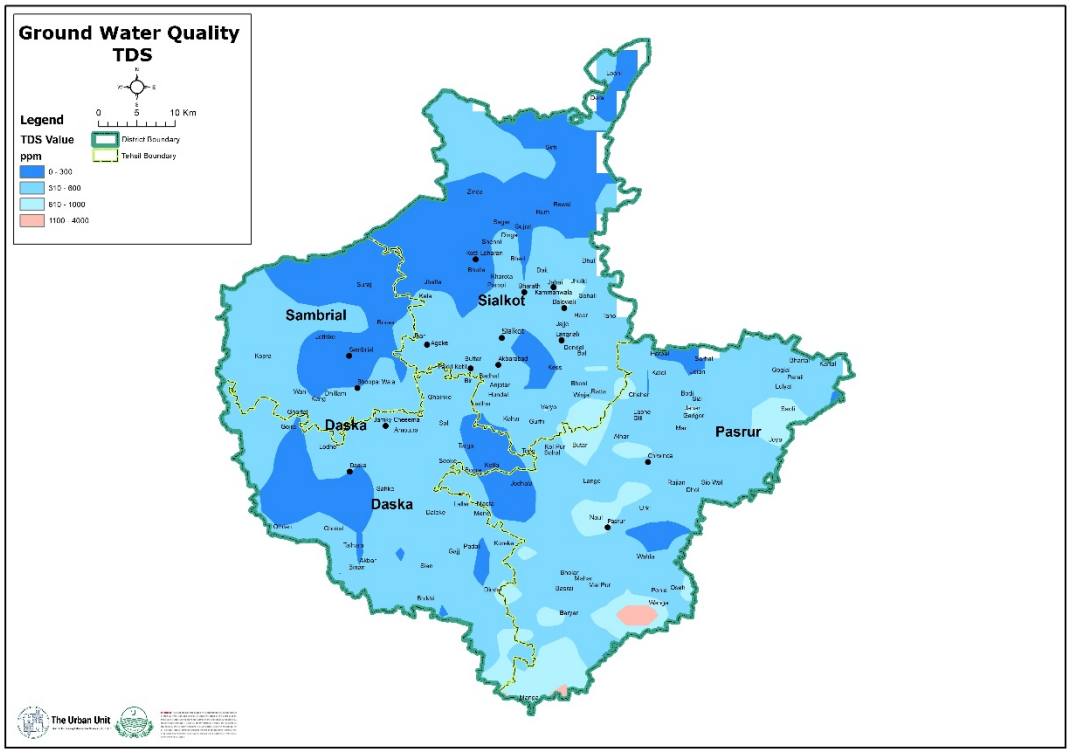


Figure 64: Mapping of TDS Contamination in Rural Sialkot

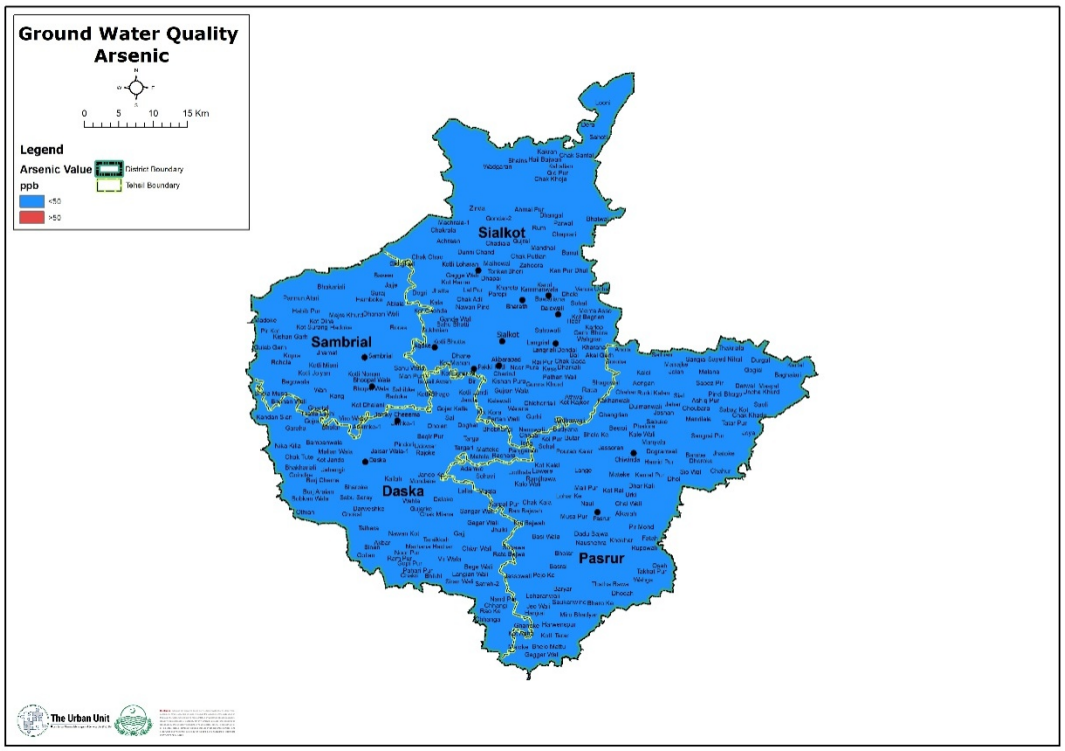


Figure 65: Mapping of Arsenic Contamination in Rural Sialkot

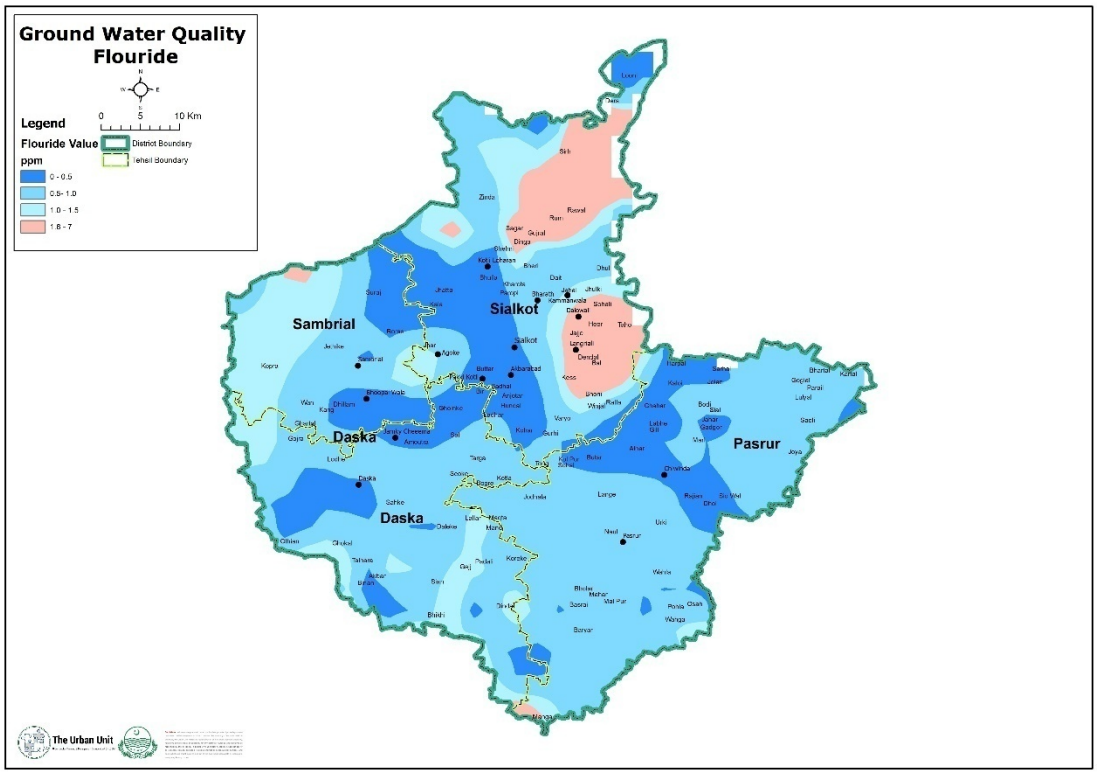


Figure 66: Mapping of Fluoride Contamination in Rural Sialkot

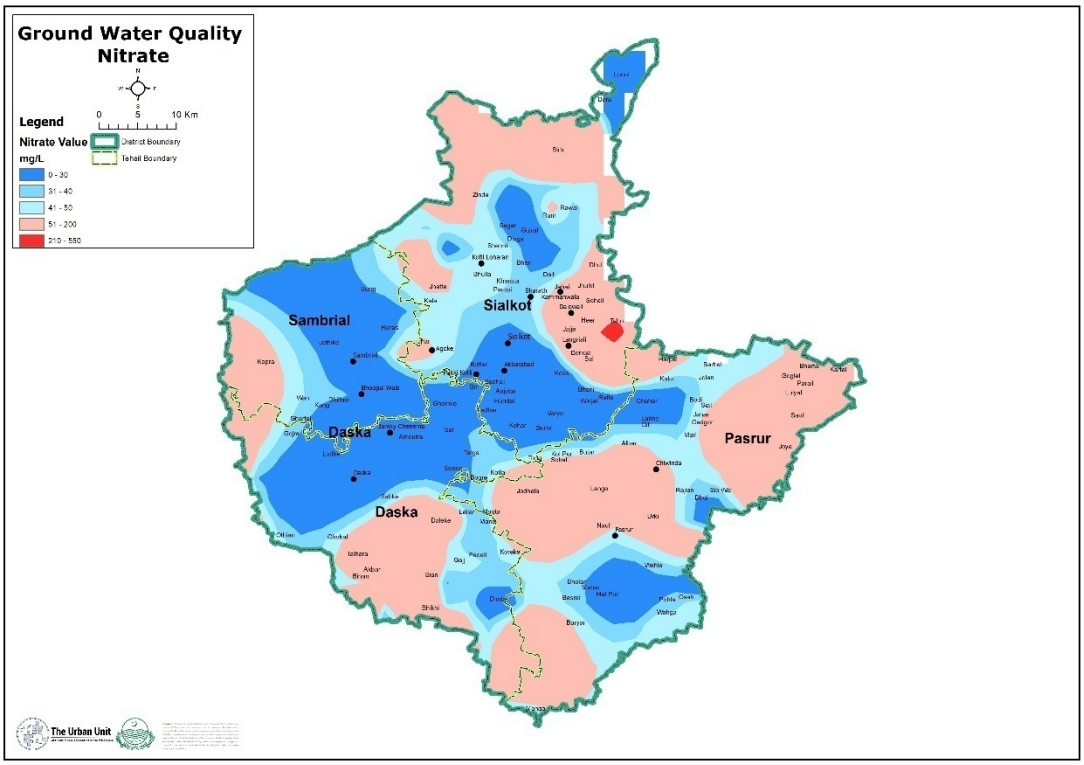


Figure 67: Mapping of Nitrate Contamination in Rural Sialkot

6.2.4 Service Delivery Challenges

Currently there are few challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas of Sialkot

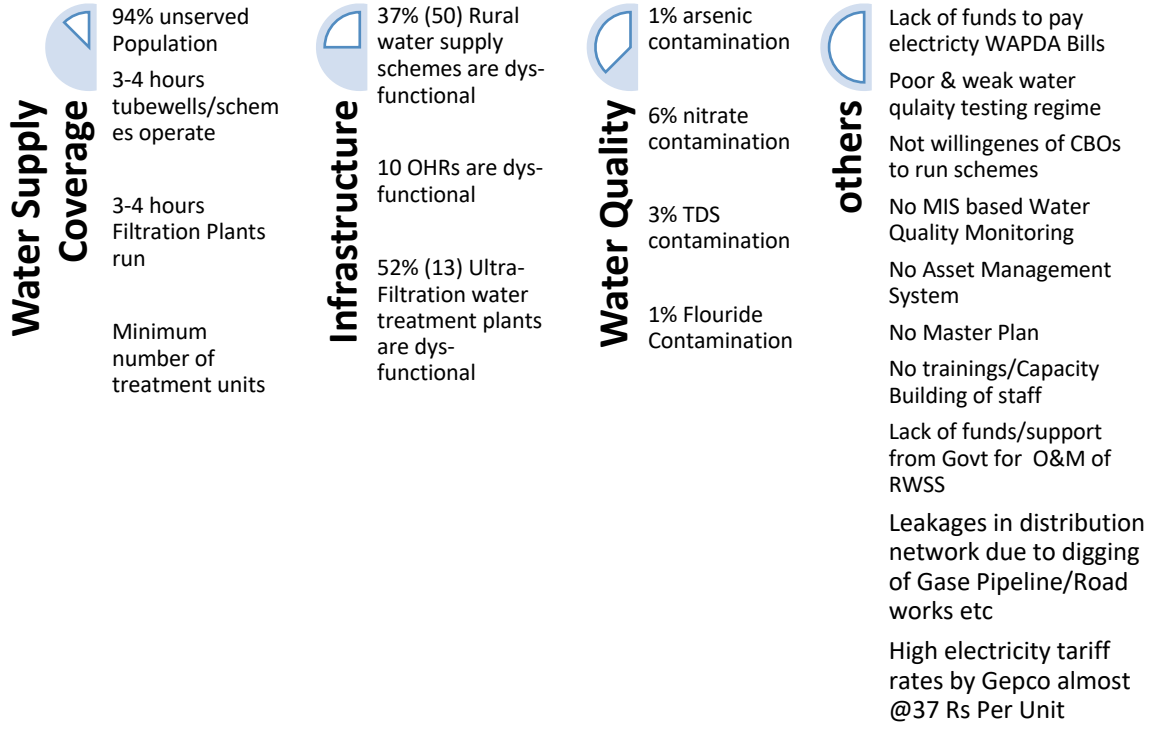


Figure 68: Service Delivery Challenges in Sialkot

6.2.5 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in Sialkot district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural Sialkot are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

6.2.5.1 Infrastructure Requirements Assessment

Currently only two lac population is being served with water supply means only 6 % is served while remaining 94% rural population is still unserved. Rural water supply schemes are present only in 85 villages out of 1,525 in rural areas of Sialkot district. There are only 25,451 water connections present. Furthermore, 13 (52%) Ultra-filtration plants installed are also dys-functional which need special attention to provide treated safe drinking water to people in villages.

First Priority will be given to villages where neither water supply schemes are present nor water filtration unit exist, then **second priority** will be villages where UF plants are non-functional, **third priority** villages will be those where water schemes are non-functional and so on. Maps of tehsils with functional and non-functional infrastructure is illustrated for priority areas of interventions.

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Sialkot rural area as per PHED water supply criteria.

Table 33: Water Supply Schemes Requirement (No's) in Sialkot

New RWSS Requirements by 2030 in Rural Sialkot				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1.5 cusecs	18	>15000	89	68
1 cusecs	131	>5000-15000	160	218
0.5 cusecs	393	2000-5000	111	393
0.5 cusecs combine clusters based schemes	901	10 - <2000	81	162
Total	**1,443**		**441**	**841**

Table 34: Water Treatment Units Requirement (No's) in Sialkot

New UF water Filtration Units Requirements by 2030 in Rural Sialkot				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	149	>5000	712,734	430
1000	255	2500-5000	454140	596
1000 (cluster based sahulat centre plants)	1,020	10-<2500	578,298	578
Total	**1,424**	**-**	**1,745,172**	**1,604**

6.2.5.2 Water Quality and treatment

Based on past secondary data analysis, 97 villages have been identified where TDS water quality parameters were exceeding standard limits and RO plants can be installed as per actual need.

However, on past available secondary water quality data number of RO plants are proposed to be installed which can be considered and evaluated on actual basis.

Table 35: Proposed RO plants for water treatmentin Sialkot

Villages	Population	Demand	Capacity (L/hr)	No of RO Plants
5	52,200	26,100	2,000	15
14	48,780	24,390	1,000	25
78	68,862	34,431	1000 cluster	34
97	**169,842**	**84,921**	**3,000**	**74**

6.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. While mode of sanitation in rural Sialkot was recorded as comprised of 92% Flush; 2% Non-flush; and 06 % no toilet. Open Defecation Free (ODF) in rural Sialkot status was 08% according to MICS 2011.

6.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from CDO-PHED Sialkot on rural sanitation system 2020 in Sialkot is articulated in table below

Table 36: Sewerage and Drainage System in Sialkot

Sr. No.	Item	Value
1	**Sewerage Coverage**	
(vi)	Area	15%
(vii)	Population	20%
(viii)	Approximate Length of Total sewers lines	50 Km
(ix)	Size (Diameter Rage)	12-72 inch
2	**Drainage Coverage**	
(v)	Area	40 %
(vi)	Population	25%
(vii)	Approximate open sewage drains	Main Drains _200km Small Drains -500_km
(viii)	Approximate covered sewage drains	25 km
3	**Effluent/Discharge**	
(ii)	Total Effluent/Discharge	4000 Cusec
4	**Pumping Arrangements**	
(iv)	No of Pumping Stations	0 No's PHED, handed over to MCs/TMAs
5	**Treatment Arrangements**	
(vi)	No of Waste water treatment Plant	0 No's
6	**Connections**	

Sr. No.	Item	Value
(iv)	Total Connections	Not exactly known by PHED, all houses located on sewerage and drains, discharge effluent in it.
7	**Recipient Body**	
(ii)	Ultimate Discharge Points	Nullah Aik,Palkhu,Daik and Bhedh
8	**Staff**	
(viii)	Total Staff for Management	No staff for management and maintenance of sewerage and drains in PHED. All schemes handed over to Local Government and Community for successful O & M.
9	Design Criteria	Population based etc.
10	Please provide detail, if there is any outsourced sanitation services Nil	
11	Is there any Union for Sanitation services if so please provide detail? Nil	

6.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increased coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Create interest in community for cleanliness activities/choking of sewerage & drainage lines
- Complaint management system for sewerage and drainage services

6.4 Recommendations for WSS sector in Rural Sialkot

Following short (0-3 years), medium (3-5 years) and Long (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of Sialkot

6.4.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- In current fiscal year portfolio, 94 Sewerage and drainage schemes of 4600 Million PKR having on-going status in Rural Sialkot are present which needs to be completed at first priority by allocation of remaining 354 Million PKR.
- Similarly, only more rural water supply scheme of worth 28 Million PKR was approved in ADP which should be completed by allocation of remaining 25 Million
- Extension of water supply distribution network for enhanced coverage level especially in non-served area
- Implementation of sewerage and drainage schemes to facilitate sanitation services
- Ensure enhanced coverage of groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders
- Detailed estimation and feasibility study for development of schemes O&M SOPs and financial allocation from Governement.

6.4.2 Medium Term (3-5 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Logistic support should be provided for regular follow up as well as sustainability of schemes
- Strengthen Community based Organizations (CBOs) through technical and financial support
- Ensure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas

- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports

6.4.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of Sialkot
- Outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

6.5 Proposed WSS Project Digest List (2020-30) for Rural Sialkot

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 37: Project Digest (2020-2030) for Rural Sialkot

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 50 Dys-functional rural water supply schemes in Rural areas of Sialkot (11 in Sialkot Tehsil; 23 in Pasrur Tehsil; 11 in Daska Tehsil; and 5 in Sambrial Tehsil)	428.53	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Rehabilitation of 13 Dys-functional UF Plants in Rural areas of Sialkot (11 in Sialkot and 2 in Sambrial Tehsil)	68.90	Short term	PHED	ADP
3	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 25 RO filter	60.00	Short term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP

	of 1000 l/hr capacity in 14 villages				
4	Installation of sewerage and drainage scheme in unserved area to improve coverage to 30% (population 900,000)	11.90	Short term	PHED	ADP
5	Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring	5.00	Short term	Urban Unit +PHED	PPP
6	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Short term	Urban Unit +PHED	PPP
7	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 15 (2000 l/hr) and 34 RO (cluster based 1000 l/hr) filter in 5 and 78 villages	147.7	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP
8	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
9	Installation of 430 new solar based UF plants of 2000 l/hr in 149 villages (each having population greater than 5000)	2,364.63	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
10	Installation of 596 new solar based UF plants of 1000 l/hr in 255 villages (each having population 2500-5000)	2,897.54	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
11	Installation of 218 new rural water supply schemes, each having capacity of 1 cusec each	4,140.01	Medium term	Punjab Aab e Pak Authority	CPEC

	in 131 villages (each village having population of >5000-15000)			(PAPA) /PHED	
12	Installation of cluster based 162 new cluster based rural water supply schemes having capacity of 0.5 cusec each in 901 villages (each having population less than 2000)	1,978.83	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
13	Construction of sewrage and drainage schemes in unserved villages in unserved area to improve coverage to 30% (population 900,000)	12.49	Medium term	PHED	ADP
14	Installation of 578 new cluster based solar based UF plants of 1000 l/hr in 1020 villages (each having population less than 2500)	4,503.22	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
15	Installation of 68 new rural water supply schemes having capacity of 1.5 cusec each in 18 villages (each village of having population >15000)	1,521.41	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
16	Installation of 393 new rural water supply schemes, each having capacity of 0.5 cusec each in 393 villages (each village having population of 2500-5000)	5,816.21	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
17	Conduct feasibility study and Design and construction of wastewater treatment plant	6.53	Long term	PHED	CPEC

18	Construction of sewrage and drainage schemes in unserved villages to improve coverage to 10% (300,000)	19.79	Long term	PHED	ADP

*

6.5.1 Projects Digest for WSS in Rural Areas

Rehabilitation of Dys-Functional Rural Water Supply Schemes (Sr.No 1)

Category: Short Term (0-3 Years)

Scope:

The proposed project covers rehabilitation of 50 Dys-functional rural water supply schemes in Sialkot, (11 in Sialkot Tehsil; 23 in Pasrur Tehsil; 11 in Daska Tehsil; and 5 in Sambrial Tehsil). All schemes are present in sweet water zone. It is detected that 12% schemes become dys-functional before 2000 and 16% during 2000-2010 while Large number of schemes (72%) become dysfunctional after 2010 due to multiple reasons. Reasons of failure of schemes are (i) absence of electric connection due to non-payment of wapda dues; (ii) damage of T/Well, Pumping Machinery, Pumping Chamber, Distribution System; (iii) 30% source failure. Rehabilitation will cover the replacement of old damaged lines, tube wells and machinery. Rehabilitation of these schemes will serve approximately 316750 populations of 50 villages who are currently deprived of tap water. Implementation of project will enhance water supply coverage by 11% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby water source. The List of dys-functional schemes and mapped points of schemes are given.

Table 38: List of dys-Functional Schemes to be rehabilitated in Sialkot

Sr. No.	Name of Dys-Functional Scheme	Tehsil
1	Rural water Supply Scheme Bhagowal	Sialkot
2	Rural water Supply Scheme Nand pur	Sialkot
3	Rural water Supply Scheme Kala Harawan	Sialkot
4	Rural Water Supply Scheme Boogarha.	Sialkot
5	Rural Water Supply Scheme Pathanwali	Sialkot
6	WS Scheme with Tubewell Pipeline Khokar Town Defance road Sialkot	Sialkot
7	RWS Scheme Shtab Ghara	Sialkot

Sr. No.	Name of Dys-Functional Scheme	Tehsil
8	RWS Scheme Jorian Khurd	Sialkot
9	RWS Scheme Islam Nagar	Sialkot
10	Rural water Supply Scheme Dhallywali	Sialkot
11	RWS Scheme Kishaniwali	Sialkot
12	Rural water Supply Scheme Jassoran	Pasrur
13	RWS Scheme Touranawala	Pasrur
14	RWS Scheme Dhulam Bajwa	Pasrur
15	Rural water Supply Scheme Munday kay Barrian	Pasrur
16	Rural water Supply Scheme Musa pur	Pasrur
17	Rural water Supply Scheme Data Zaidkay	Pasrur
18	Rural water Supply Scheme Dhoda	Pasrur
19	Rural water Supply Scheme Noorpur Chak Hushiar	Pasrur
20	Rural water Supply Scheme Khewa Bajwa	Pasrur
21	RWS Scheme Wains	Pasrur
22	Rural water Supply Scheme Sabazkot	Pasrur
23	Rural water Supply Scheme Bhag	Pasrur
24	Rural water Supply Scheme Satrah	Pasrur
25	Rural water Supply Scheme Gadgoor	Pasrur
26	Rural water Supply Scheme Malo kay	Pasrur
27	Rural water Supply Scheme Uccha Parang	Pasrur
28	Rural water Supply Scheme Bun Bajwa	Pasrur
29	Rural Water Supply Scheme Chobara.	Pasrur
30	Rural water Supply Scheme Doul Bajwa	Pasrur
31	Rural water Supply Scheme Alhar	Pasrur
32	Rural water Supply Scheme Nangal Mirza	Pasrur
33	Rural water Supply Scheme Habitpur Dolat pur	Pasrur
34	Rural water Supply Scheme Dhulamwala	Pasrur

Sr. No.	Name of Dys-Functional Scheme	Tehsil
35	Rural water Supply Scheme Ranjhai	Daska
36	Rural water Supply Scheme Kawan lit	Daska
37	Water Supply / Drainage Scheme for Vill: Jamke	Daska
38	Water Supply / Drainage Scheme for Vill: Dadu Basra	Daska
39	Rural Water Supply Scheme Bhuda Goraya	Daska
40	RWS Scheme Alomahar	Daska
41	RWS Scheme Mandranwala	Daska
42	RWS Scheme Adamkey Cheema	Daska
43	RWS Scheme Tajokey	Daska
44	RWS & D Scheme Jasserwala	Daska
45	RWS Scheme Mitranwali	Daska
46	Rural water Supply Scheme Habibpura	Sambrial
47	Rural water Supply Scheme Bakhariwali	Sambrial
48	Rural water Supply Scheme Badoke Cheema	Sambrial
49	Rural water Supply Scheme Majra Khurd &Kalan	Sambrial
50	Water Supply / Drainage Scheme for Vill: Roras	Sambrial

Rehabilitation of 13 Dys-Functional Rural Water Filtration Units (Sr. No 2)

Category: Short Term (0-3 Years)

Scope:

It aims to provide clean drinking water facility based on minimum requirement set by World Health Organization, ensuring provision of potable water to rural households. The proposed project covers rehabilitation of 13 Dys-functional rural water treatment Ultrafiltration (UF) plants in Sialkot, 11 in Sialkot and 2 in Sambrial Tehsil. These all UF treatment units, each having capacity of 4000 l/hr, were installed during 2007- 2010 which are currently dys-functional due to multiple reasons.

Rehabilitation will cover full assessment of treatment plant including replacement of UF membranes, screen filter, filter media (carbon filter, sand filter), repair of feed pump, maintenance/replacement of treated storage tank, meters, pumps, as per requirement, borehole test, repair of civil works, backwashing process, electricity source, water quality testing of source water and treated water. Rehabilitation of existing treatment plant schemes will provide treated drinking water to approximately 20000 population of 13 villages. Implementation of project will enhance drinking water supply coverage by 01% to unserved population. The provision of treated water will not only protect from diseases but also will save the time to fetch water from farther treatment unit. The List of dys-functional UF plants and their maps are given.

Table 39: List of dys-

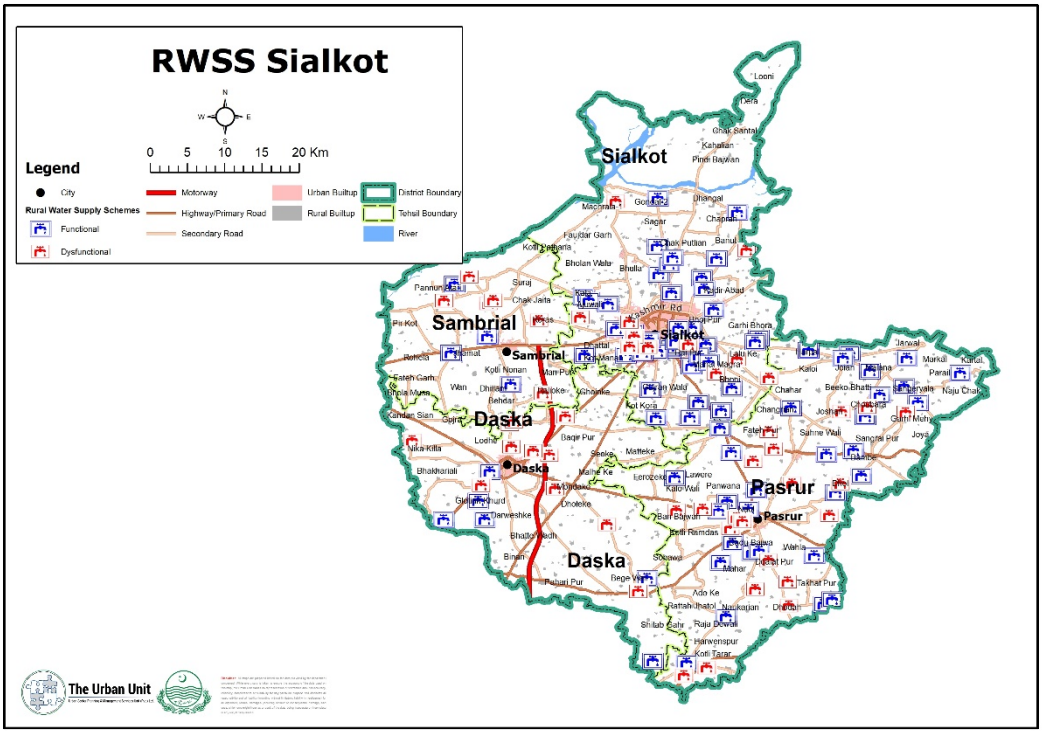


Figure 69: Map of Dys-Functional Schemes to be rehabilitatedin Sialkot

Sr. No.	Name of Water Filtration Plant	Tehsil
1	Chakrala	Sialkot
2	choorh chak	Sialkot
3	Jago chak	Sialkot
4	Harna	Sialkot
5	kotera	Sialkot
6	Rawaal	Sialkot
7	Dhallay wali munawar pur road	Sialkot
8	Pindi Mandliyan	Sialkot
9	Gujraal	Sialkot
10	Jethikay	Sambrial
11	Majra kalaan & khurd	Sambrial
12	Satowali	Sialkot
13	Sadariwal	Sialkot

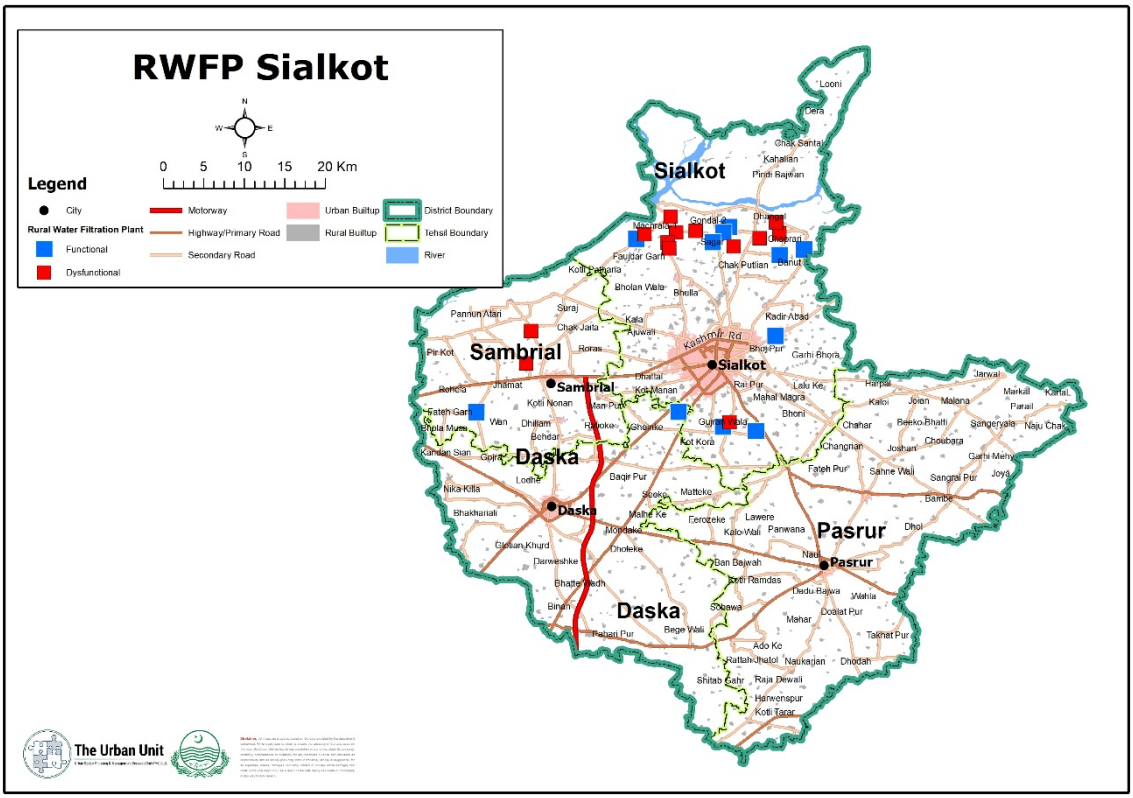
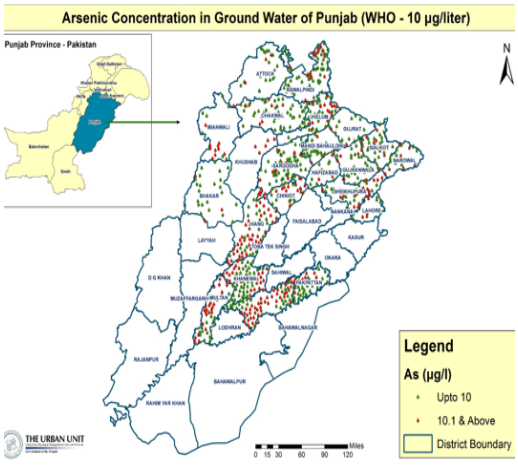


Figure 70: Mapping of Dys-functional UF plants to be rehabilitatedin Sialkot

Groundwater quality testing coverage in identified hotspot villages and installation of proposed 25 RO filter of 1000 l/hr capacity in 14 villages (Sr. No 3)

Category: Short Term (0-3 Years)

Scope:



This projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas of Sialkot so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator.

It is noted from secondary water quality analysis that few samples of TDS had value exceeding the maximum limit of 1000 ppm that can affect 169,842 people of 97 villages who are using the brackish water. It is proposed that water quality testing should be done in identified villages and install RO plants. The treatment unit will be constructed involving power source, testing of water source, pre-fabricated storage tanks, RO modules, Arsenic/nitrate filter tanks, backwashing process, taps, pumps and valves set up etc. From statistical analysis of safe water need, it is calculated that 25 RO units of 1000 l/hr capacity will be required and installed in 14 villages. Total approximately 50, 000 people will be benefited from the availability of safe drinking water through installation of RO plants. Similarly, it is observed that 17 samples had nitrate contamination which can be removed through installation of nitrate removal membranes/media along with RO membranes.

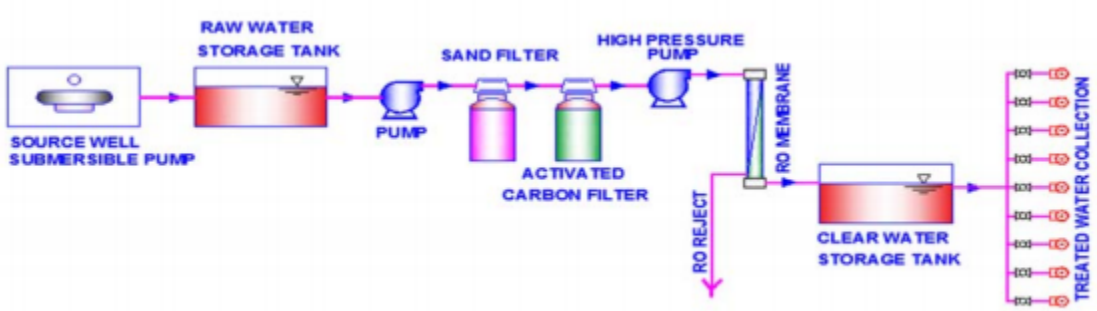


Table 40: Identified Villages for water contamination in Sialkot

Village Name	Pop	TDS	Village Name	Pop	TDS	Village Name	Pop	TDS
Dodha	13800	1700	sadagar pur	2880	1270	Koreke	1560	1090
Kulluwal	12000	1106	Bhure kay	2700	1130	Koreke	1560	1090
chowk qila kalar wala	11400	1020	langay	2700	1036	saringpurr	1500	1050
Bhagowal	9000	1040	mussa pur	2400	1430	gulewali	1500	1040
ghatalian	6000	1320	buraykay	2400	1344	ashiq pur	1350	2536
nangal mirza	4800	2090	Boroke	2100	1520	daulat pur	1320	1120
Sahu Wali	4500	1640	Boroke	2100	1500	Seoki	1260	1184
Sahu Wali	4500	1040	kamal pur bajwa	2100	1150	nawa manga	1200	1570
bhular Bajwa	4200	1700	singial	2100	1010	khaprala	1200	1470
manga	3600	1851	gakhar wali	1800	1590	changrian	1200	1140
Gul Bahar Khurd	3300	1900	darqali	1800	1500	sialjattan	1050	1760
malokey	3300	1730	Karool	1800	1280	thatha bawa	1050	1660
ratta gathol	3300	1190	Nidoke	1800	1020	nakwal	1050	1520
chor munda	3000	3550	godha	1680	1160	budhyan	1050	1460
kot aga jajja	3000	1390	dadu bajwa	1650	1460	nanglian	1050	1460
data zaad kaa	3000	1010	habiba abad	1560	1440	Badi Pur	1050	1290
kot kalal	1020	1250	lodi jajja	600	1060	bogargil	300	1180
Wirwala	960	1111	Ugo Chak	540	2621	harchand pur	270	1550
Wirwala	960	1111	jaid wali	540	1550	dadowali	270	1080
ranike	900	1387	supowal	540	1344	lido bullar	240	1260
sahianwali	900	1210	bhutta	540	1290	nuny bhik	240	1170
Thathi kalan	900	1180	jiya kolony	540	1160	sattar pur	240	1160
Thathi kalan	900	1160	kotli shahwan di	480	1560	deranai abadi burekay	240	1120
nawan pind	900	1110	Isalam pura bhoond	480	1520	baba kolony	210	1360
Thatha sarkari	810	1160	bangay	420	1289	baarth	192	1020
sarwanoki	780	1030	nawan pindghatalian	420	1270	sharif coloni	180	1910
Sahu Chak	780	1010	Pindi Hiran	420	1270	tanmboo ghalib shah	150	1360
kandal	720	2270	nune	420	1180	nunghal husry	120	3590
kotgondal	720	1790	mehndipur	390	1200	bhutto colony	120	1660
dulukay	720	1630	nawaday	360	1142	khotay manga	120	1200
phroki	600	1710	bakhtpur	330	3220	manga pul	90	2100
sangha	600	1610	kotlinewpind	300	1240	abadihlamrasool	90	1030

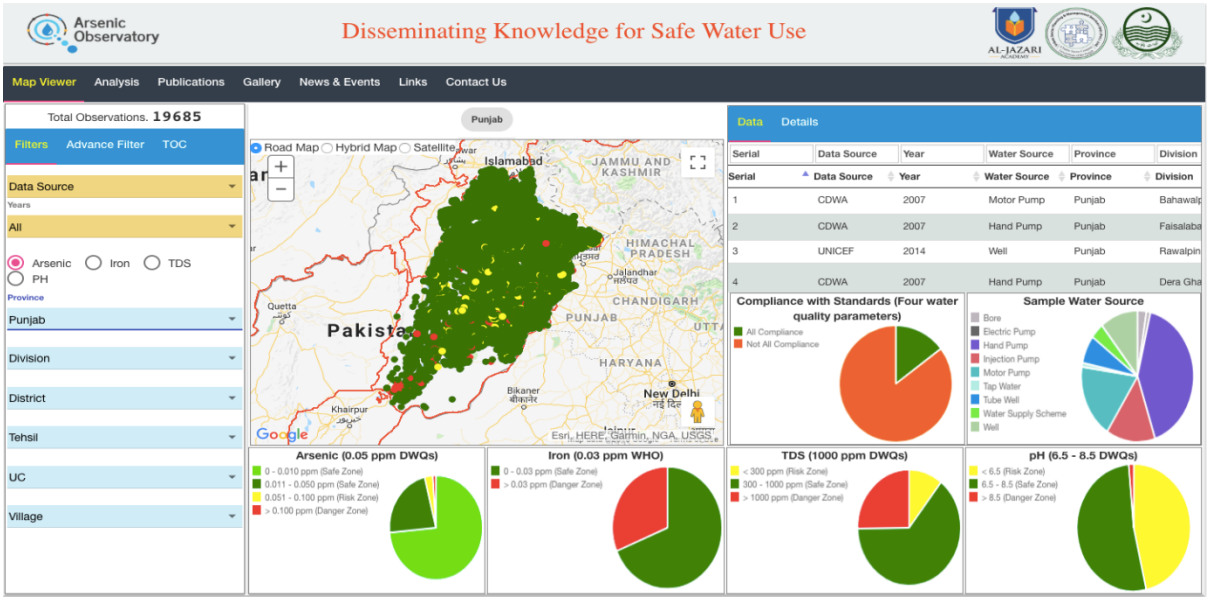
Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring (Sr. No 5)

Category: Short Term (0-3 Years)

Scope:



The projects aims to establish GIS based water quality monitoring dashboard system for Screening of the real hotspot areas based on accurate sampling, testing and data analysis and taking right decision of installation of type of water treatment units. Interface of dashboard will be developed for water quality live monitoring. Furthermore, Mobile application will be developed for water quality sample data collection and directly linked with MIS based monitoring dashboard. Secondary water quality data available will also be uploaded on dashboard. A sampling and a testing regime for water quality parameters across the ground water sources in rural areas will be developed so that water quality status of whole district/region is accurately reported/placed at one place and true hotspot areas will be marked and pointed geo spatially. Water quality tests will be carried out either in PHED laboratory or in mobile lab and respective results will be uploaded on live portal. The dashboard will give real time analysis of water quality situation and give directions where interventions are needed. The web portal results will also be accessible easily on mobile app for users to check water quality levels in their waters. Dedicated staff personnel will be deputed for monitoring of dashboard and data management and analysis. Automatic Monthly Progress reports of water quality will be generated and monitored.

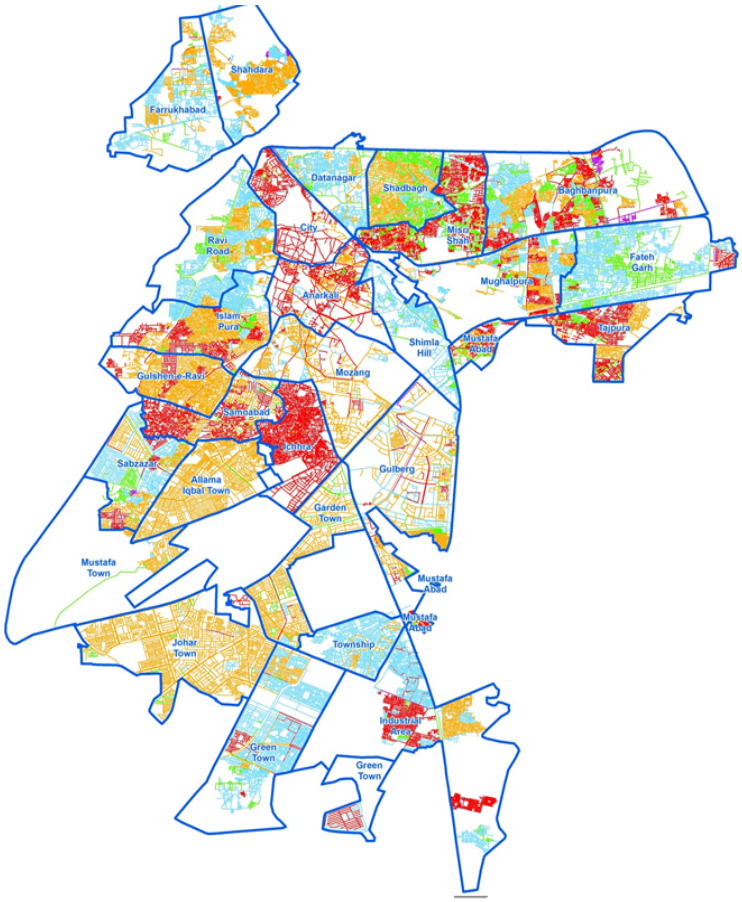


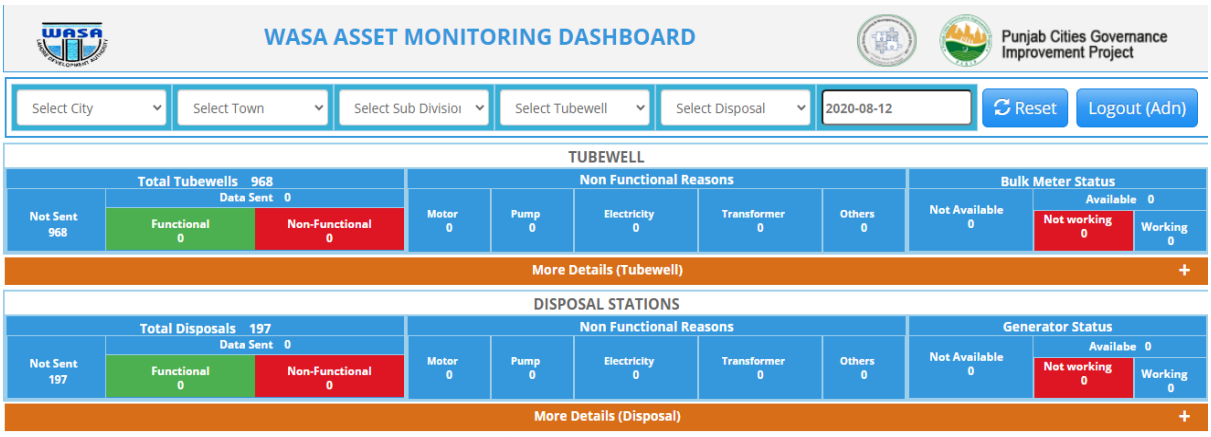
Implementation of WSS Asset Mapping and Asset Management Information System (Sr. No 6)

Category: Short Term (0-3 Years)

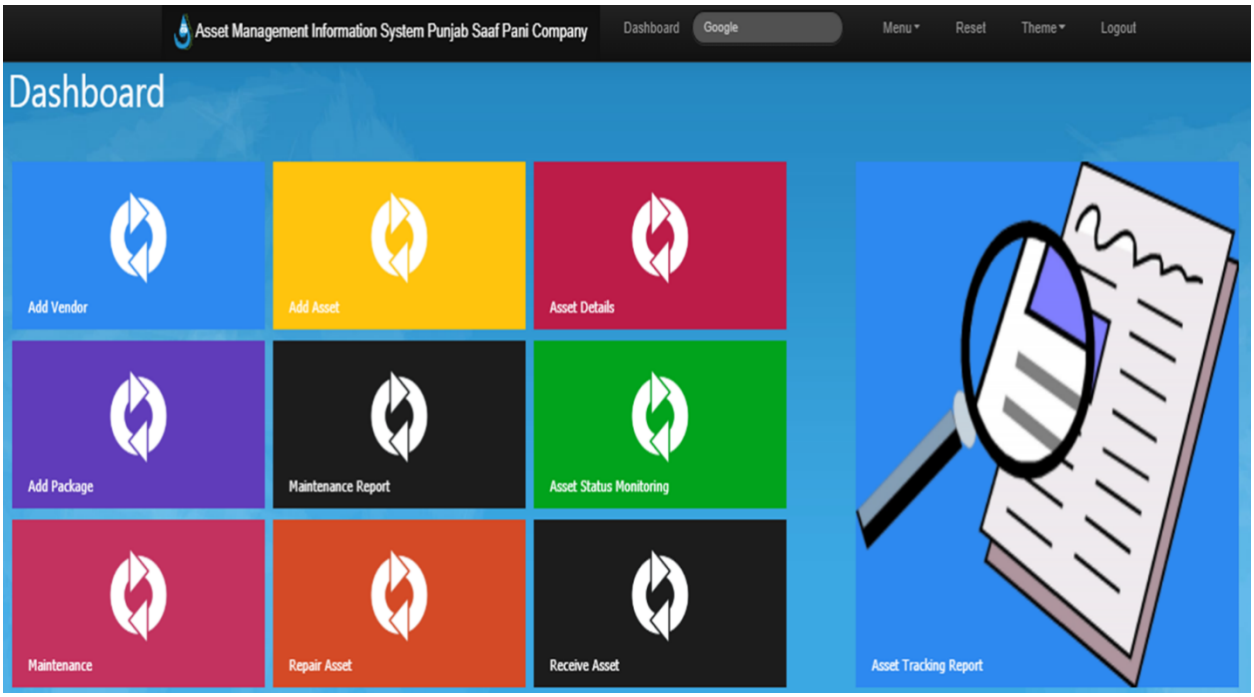
Scope:

Its objective is to manage and monitor all water and sanitation infrastructure present in rural areas. It will help in development of database, assessment of infrastructure condition, and taking right decision for investment in upgradation or rehabilitation of structure. GIS based dashboard and data collection mobile app will be developed. Survey will be carried out to map all water and sanitation (WSS) assets along with their condition through mobile application. Dashboard will be developed backing satellite imagery based population and rural settlements with overlaying of WSS infrastructure. Module will lead to decision support system to identify gaps, traps leakages and identify need for priority interventions. The system will also produce consolidated reports based on the attribute data put into the GIS based asset inventory.





The reports will help to make decisions regarding replacement of assets, their timely repair and maintenance and will provide a better control and monitoring mechanism. This support system should link engineers, planners and field support staff to middle management.



Gujranwala Regional Development Plan 2030



District Gujrat

RURAL

7 Section-I Rural District Gujrat Profile

7.1 Location Boundary

Gujrat is one of the district among six districts of Gujranwala Division of Punjab. Rural area of Gujrat district comprises of three tehsils namely Gujrat, Kharian and Sarai Alamgir. Map of rural areas settlements at tehsils level is shown in figure 71.

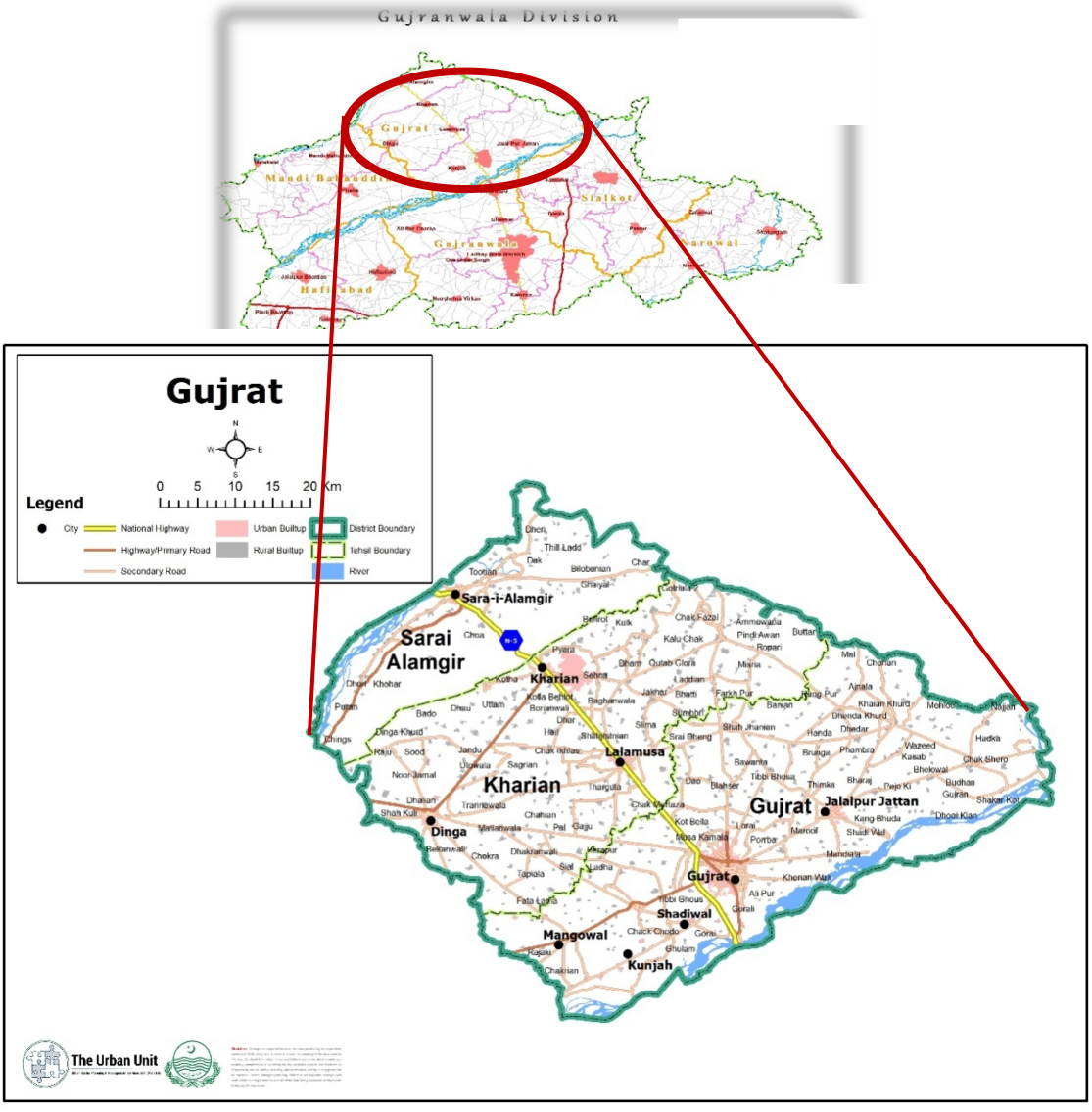


Figure 71: Boundary of Rural Gujrat

7.1.1 Geography

Gujrat is an ancient district located in between two famous rivers, the Jhelum and Chenab. It is bounded on the northeast by Mirpur, on the northwest by the River Jhelum which separates it from Jhelum District, on the east and southeast by the Chenab River, separating it from the districts of Gujranwala and Gujrat, and on the West by Mandi Bahauddin. District Gujrat is spread over an area of 3,210 square kilometers and is a part of Chaj Doab.

7.1.2 Demography

According to 2017 census Gujrat District's population is 2.75 million and 70% resides in rural. Rural population was 1.92 million in 2017 with 48:52 male to female ratio. Rural population and households present in 1,051 villages of Gujrat district as per census 2017 and projected population for next 10 years by considering population growth rate of 1.49 is mentioned in table 42 below.

Table 41: Demography of Rural Gujrat

		Population (2017)	HH (2017)	Estimated Population (2030)
Gujrat District	**Rural**	1,928,714	308,668	2,337,600
Gujrat Tehsil	Rural	955,239	151,239	1,157,749
Kharian Tehsil	Rural	781,149	125,378	946,752
Sarai Alamgir Tehsil	Rural	192,326	32,051	233,099

7.2 Section-2 Rural Water Supply System

Primary source of surface water for Gujrat District is River Jhelum. Extensive canal system, off-taking from Mangla Barrage, irrigates agricultural lands of the district. Name of the main canal irrigating the area is Upper Jhelum Canal.

The main source of drinking water in area is groundwater which is extracted through hand pumps, shallow and deep tube-wells. Groundwater present in Gujrat district, currently used as source of drinking water majorly comprises of fresh water zone. Secondary analysis of groundwater quality by UNICEF & PHED in 2016 revealed 6% TDS contamination, while nitrate contamination was found out at 11% in some areas.

Improved drinking water in rural Gujrat with contribution of 15 % tap water; 10 % hand pump and 75 % motor pump was present as per PSLM 2012-13 survey which tell the high usage of motor pump and less access of tap water.

Major information acquired from CDO PHED Gujrat on current rural water supply system 2020 in Gujrat is articulated in table 43.

Table 42: Rural Water Supply System in Gujrat

Sr. No.	Item	Value
1	**Coverage**	
(ix)	Water supply coverage area	11%
(x)	Population	225,000 No's
(xi)	No of zones	3 No
2	**Ground Water (tube wells based system)**	✓ Yes ☐ No
	In case of yes, provide following details;	
(vi)	No of Tube Wells	Total No.146 ✓ Functional 144 ✓Non-Functional 2
(vii)	Capacity of Functional Tube Wells	62.00 cusec (Detail attached)
(viii)	No of Bulk water meters	542 No's
(ix)	Location of Tube Wells *Please annex the list (Name, Coordinates, Location)*	✓attached (Detail attached)
3	**Surface Water (filter based system / waterworks)**	☐ Yes ✓ No
4	**Water Filtration Plants**	
(xiv)	No of Water filter plants *Installed under Clean Drinking Water Initiatives*	Total No. 58 (Rural) ✓ Functional 44 (Rural) ✓ Non-Functional 14
(xv)	Type of Water Treatment Technology installed	UF
(xvi)	Operate by:	Local Community

Sr. No.	Item	Value
(xvii)	Maintained by:	Local Community
5	**Connections**	
(ix)	Domestic Connection	30890 No's
(x)	Metered Connections	542 No's
(xi)	Commercial Connections	0 No's
(xii)	Industrial Connections	0 No's
(xiii)	Hypo chlorinator	144 (Detail attached)
6	**Water Consumption**	
(xii)	No of Overhead Reservoirs	Total No. 29 ✓ Functional 24 ✓ Non-Functional 5
(xiii)	Capacity of Overhead Reservoirs	23000 Gallons (Detail attached)
(xiv)	Ground Water Storage Tank	Nil
7	**Water Distribution Network**	
(v)	Type of Distribution pipe network	2" i/d,3' i/d Inch (Type: AC/PVC)
(vi)	Approximate pipe length	190.5 km (Detail attached)
8	**Staff**	
(vii)	Total Staff for W/S Management	124 (Detail attached)
(viii)	Technical Staff	0
(ix)	Non-technical Staff	124 (Detail attached)
(x)	Maintenance Teams	Average 6 Nos Per Scheme (Detail attached)
(xi)	Staff/1000 Population for Water Connections	Nil
9	Design Criteria	Deep Tubwell Bore, Direct Pumping/OHR system , House Connection
10	**Others**	
(vii)	Is there any MIS system for assets management?	✓ Yes ☐ No
(viii)	Is there any MIS system for water quality monitoring?	✓ Yes ☐ No
(ix)	Is any water quality lab available *In case of yes, please provide their number and location with coordinates*	✓ Yes ☐ No __01___ No's
(x)	Please provide latest water quality test results	✓attached (Detail attached)
(xi)	Please provide detail of Community Based Organizations (CBOs) present in rural areas There are Total 124 Functional Rural Water Supply Schemes in District Gujrat .Each Scheme is being operated by local Community Based Organization (CBO) .Each CBO comprises on minimum 6 members or according to the division of local community and population.	

Sr. No.	Item	Value
(xii)	Please provide detail, if LG has outsourced water supply services any part of water supply services? Nil	
(xiii)	Is there any Union for Water supply services if so please provide detail? Nil	

7.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. Although water supply is being provided via distribution lines with little coverage in rural areas. PHED' design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level' water demand is calculated because of scattered settlements present at farthest distance from each other. While 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 43: Water Demand in Gujrat

Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)
Up to 5000	10	5,001-10,000	15	10,001-20,000	20	20,001-50,000	30

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	2030	2020	2030
Gujrat Tehsil	59,736,981	74,267,598	3,165,536	3,670,119
Kharian Tehsil	45,744,535	55,431,613	2,588,625	3,001,245
Sarai Alamgir Tehsil	11,301,591	13,992,446	637,345	738,932
Total Rural	**116,783,107**	**143,691,657**	**6,391,506**	**7,410,296**

7.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in Gujrat tehsils is groundwater. Total 198 Rural water supply schemes are currently present for provision of water supply. Furthermore, 58 rural water filtration plants (RWFPs) are also installed by PHED.

7.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. Distribution of RWSS in tehsils of Gujrat is given below. All 198 RWSS are installed by PHED in tehsils of Gujrat. Maximum number of schemes are present in Gujrat tehsil. Among all installed

schemes, currently, only 63% water schemes are in working condition while 37% water supply schemes are non-functional.

Furthermore, working condition of RWSS in % age in tehsils of Gujrat is illustrated through graph. It is observed that large number of water supply schemes are non-functional in Kharian tehsil which need concern and attention towards its rehabilitation and to ensure water coverage to rural population.

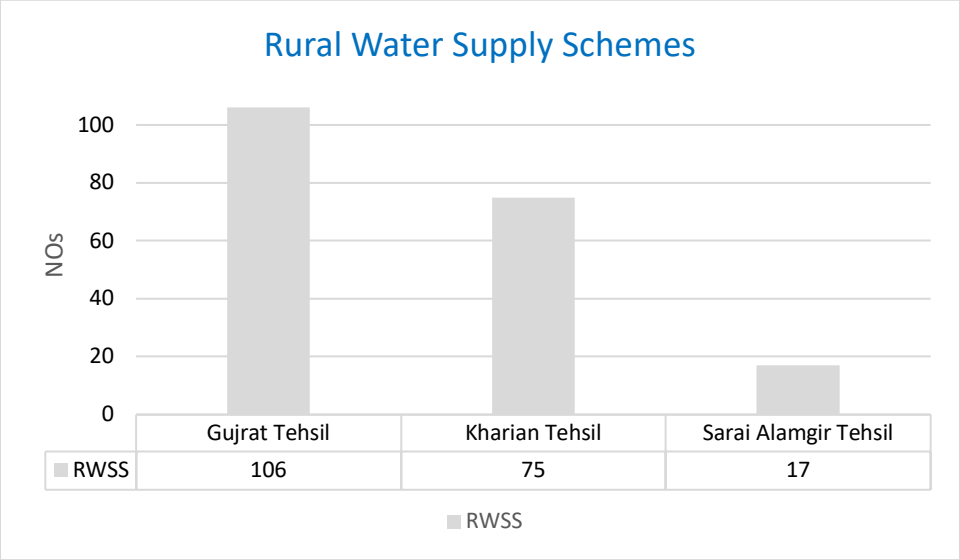


Figure 72: Total Rural Water Supply Schemes (RWSS) in Gujrat

Total 124 functional water schemes are currently serving 225000 rural population in Gujrat district. These all functional schemes have 146 functional and 2 dys-functional tube wells of total 62 cusecs capacity. Functional schemes possess 30,890 connections and 144 chlorinators. Total pipeline length is Approx 191 Km of PVC pipes. It is noted that 13 from 74 dys-functional schemes are present in brackish water zone as per data provided by PHED.

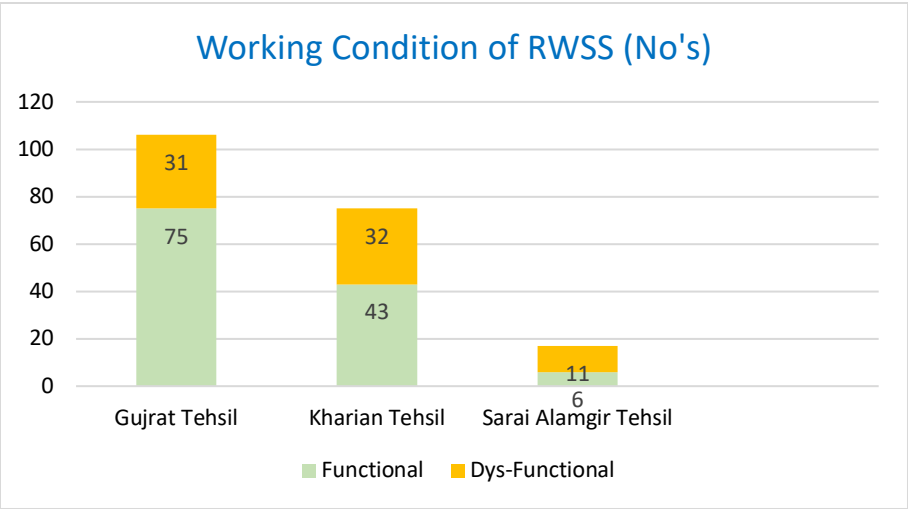


Figure 73: Working Condition of Water Supply Schemes in Gujrat

It is noted that 74 dys-functional schemes are based on 76 tube wells. It is detected that Large number of schemes 22 schemes become dys-functional before 2000, 27 during 2000-2010 and 25 become dysfunctional after 2010 due to multiple reasons. Reasons of failure of schemes are (i) absence of electric connection due to non-payment of wapda dues; (ii) damage of raising main, Pumping Machinery, Distribution System; (iii) source failure. Spatial location of functional and dys-functional water supply schemes installed in tehsils of Gujrat is presented in figure 74.

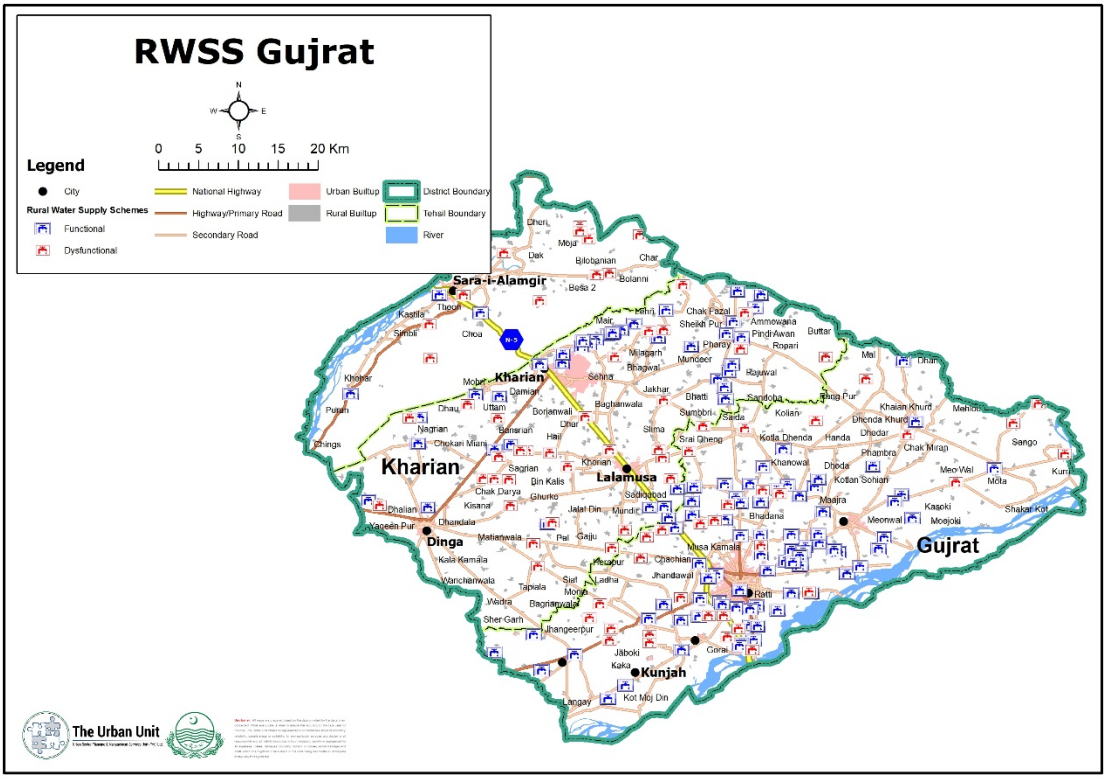


Figure 74: Mapping of Functional & Dys-Functional Water Schemes in Gujrat Tehsils

7.2.2.2 OHRs

There are 29 Overhead Reservoirs with 230,000 Gallons capacity are present with functional water supply schemes among which 5 are non-functional.

7.2.2.3 Treatment Units

There are 58 Ultra filtration plants installed in tehsils of Gujrat from which currently 44 (76%) water treatments plants are functional and remaining 14 (24%) plants are non-functional. All functional as well as non-functional plants are of 500 litre/hour capacity.

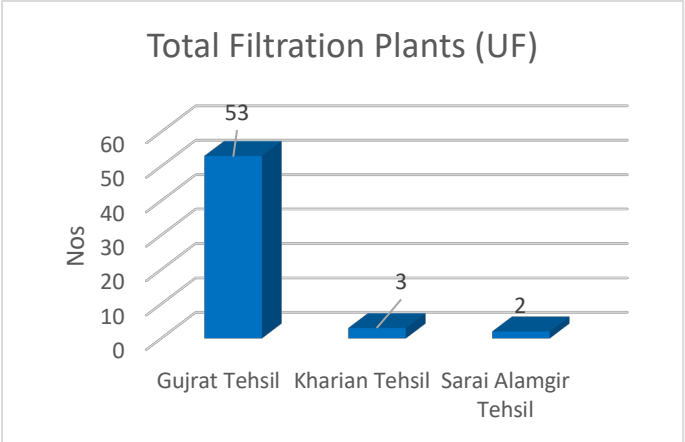


Figure 75: Number of Filtration Plants in Gujrat

Furthermore, Functionality of filtration units in tehsils of Gujrat is displayed in figure 76. It is noted that no treatment plant is functional in Sarai Alamgeer tehsil. Majorly, all current dys-functional plants are installed in 2011-19.

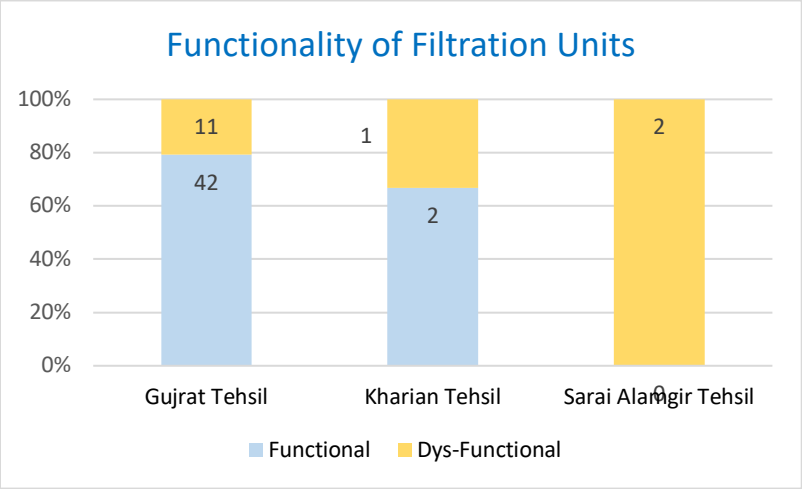


Figure 76: Functional & Dys-Functional Filtration Unit in Gujrat

All dys-functional treatment unit are present in fresh water zone except 2 plants. Major reasons of non-functioning of filtrations units, told by PHED, are boring problem, machinery dys-functional and unwillingness of CBOs to take charge of O&M of plants. Spatially marked locations of water treatments plants in Gujrat rural areas is shown in map.

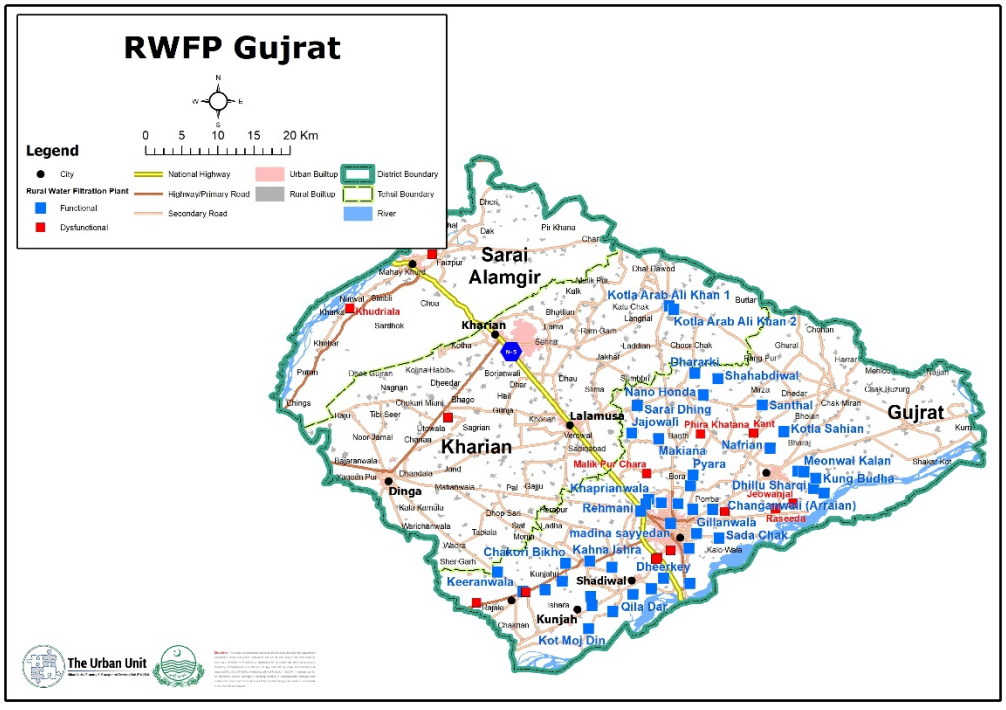


Figure 77: Mapping of Functional & dys-Functional Filtration Plants in Rural Gujrat

7.2.3 Water Quality Situational Analysis

Gujrat laboratory is being used for testing analysis of water quality in rural areas. Monthly progress is being monitored of all rural water supply schemes water quality. Primary water quality data analysis summary of January to October 2020 was provided by CDO Gujrat.

7.2.3.1 Primary Water Quality Analysis

According to water quality data provided by Community Development Officer (CDO) of Gujrat PHED, multiple water quality parameters at rural water supply schemes are being checked and monitored. Physical parameters including Odor, Color and Taste; Chemical parameters including pH, TDS, Calcium, Magnesium, Hardness, Alkalinity, Chloride; and Bacteriological parameters including Total Coliforms data was provided by CDO PHED Gujrat at rural water supply schemes. It is noted from results that physical parameters test results were 100% safe of 1009 samples, chemical parameters result was 98% safe and 2% unsafe of 1009 samples and microbiological parameters were 86% safe and 14% unsafe of 236 samples during whole Jan-Oct 2020 period.

Table 44: Primary Analysis of Rural Water Quality in Gujrat

Sr.#	Name of Month 2020	Physical Analysis					Chemical Analysis					Bacterial Analysis				
		Fit	Unfit	Total	Average(%)		Fit	Unfit	Total	Average(%)		Fit	Unfit	Total	Average(%)	
					Fit	Unfit				Fit	Unfit				Fit	Unfit
1	January	119	0	119	100	0	114	5	119	96	4	52	12	64	81	19
2	February	163	0	163	100	0	163	0	163	100	0	86	0	86	100	0
3	March	70	0	70	100	0	70	0	70	100	0	0	0	0	0	0
4	April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	June	118	0	118	100	0	118	0	118	100	0	2	5	7	29	71
7	July	146	0	146	100	0	141	5	146	97	3	24	7	31	77	23
8	August	105	0	105	100	0	99	6	105	94	6	5	0	5	100	0
9	September	180	0	180	100	0	173	7	180	96	4	30	8	38	79	21
10	October	108	0	108	100	0	107	1	108	99	1	4	1	5	80	20
Total		**1009**	**0**	**1009**	**100**	**0**	**985**	**24**	**1009**	**98**	**2**	**203**	**33**	**236**	**86**	**14**

7.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 1200-264,000 population of rural population may be at risk.

Highest percentage of water contamination are observed for nitrate and TDS respectively. Samples taken from 3-600 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only arsenic and fluoride are safe in area as just 1%

contamination was found exceeding NEQs limit. While presence of remaining TDS, and especially nitrate contamination is of concern and point out the need for installation of Reverse osmosis and other contaminant removal membranes on actual water quality re-confirmation. Spatially mapped secondary water quality data is drawn and illustrated in map

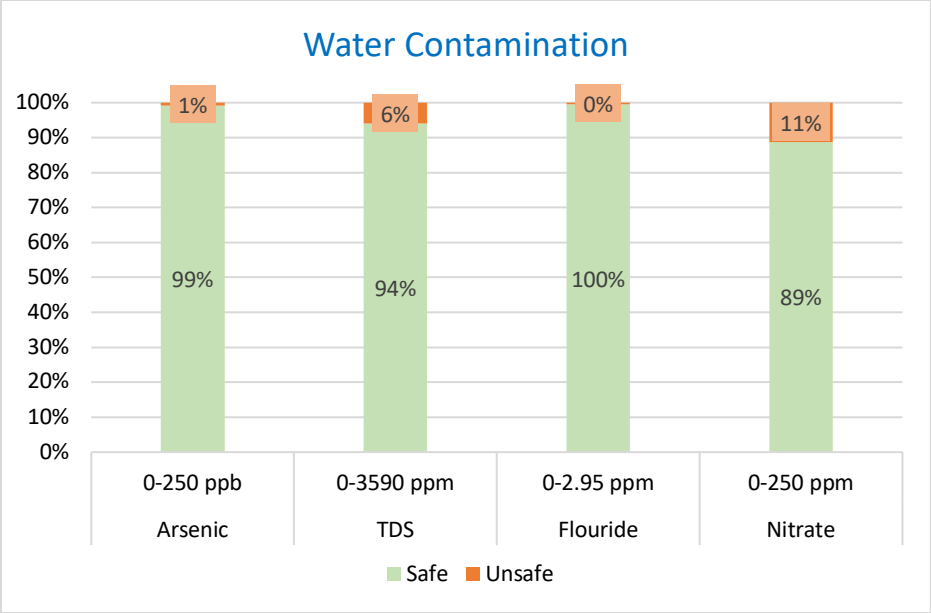


Figure 78: Graphical representation of Water Quality Contamination in Rural Area of Gujrat

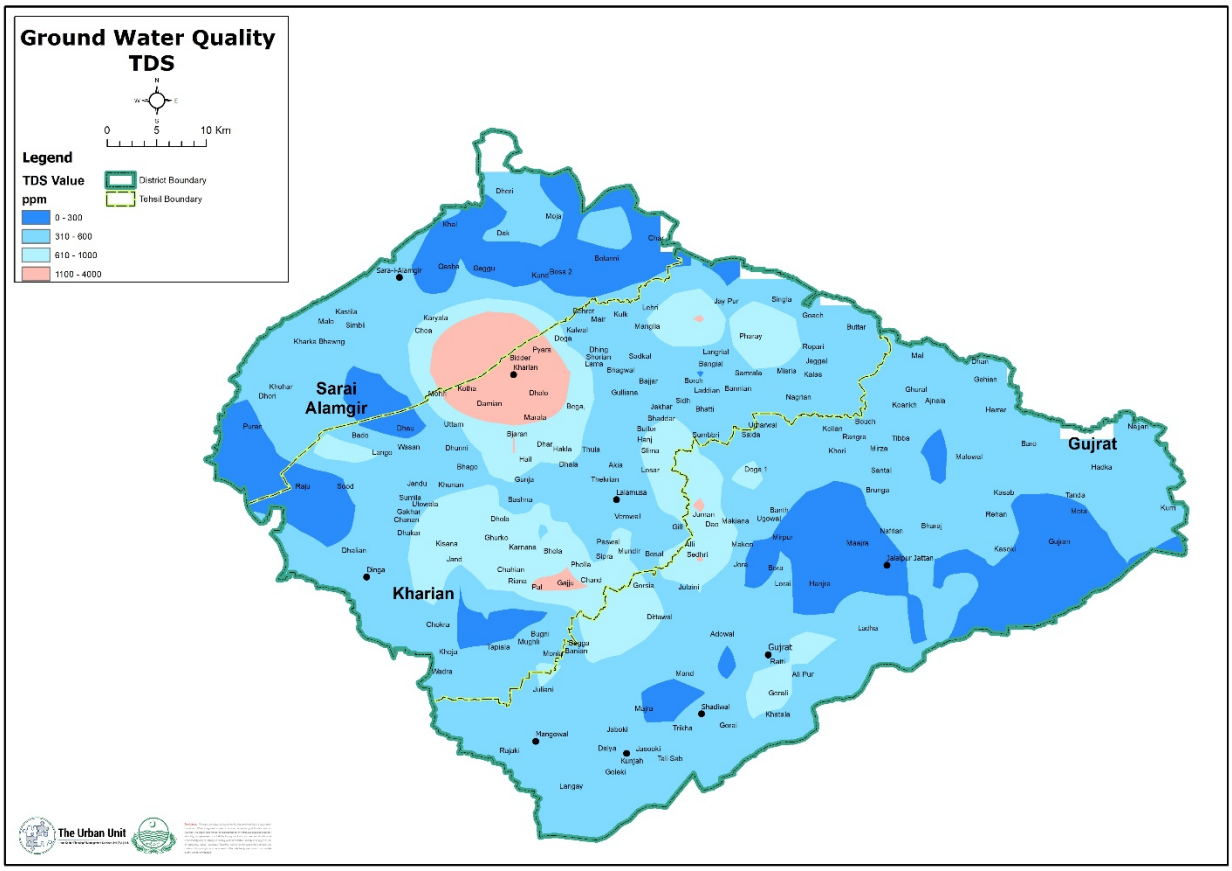


Figure 79: Mapping TDS Contamination in Rural Gujrat

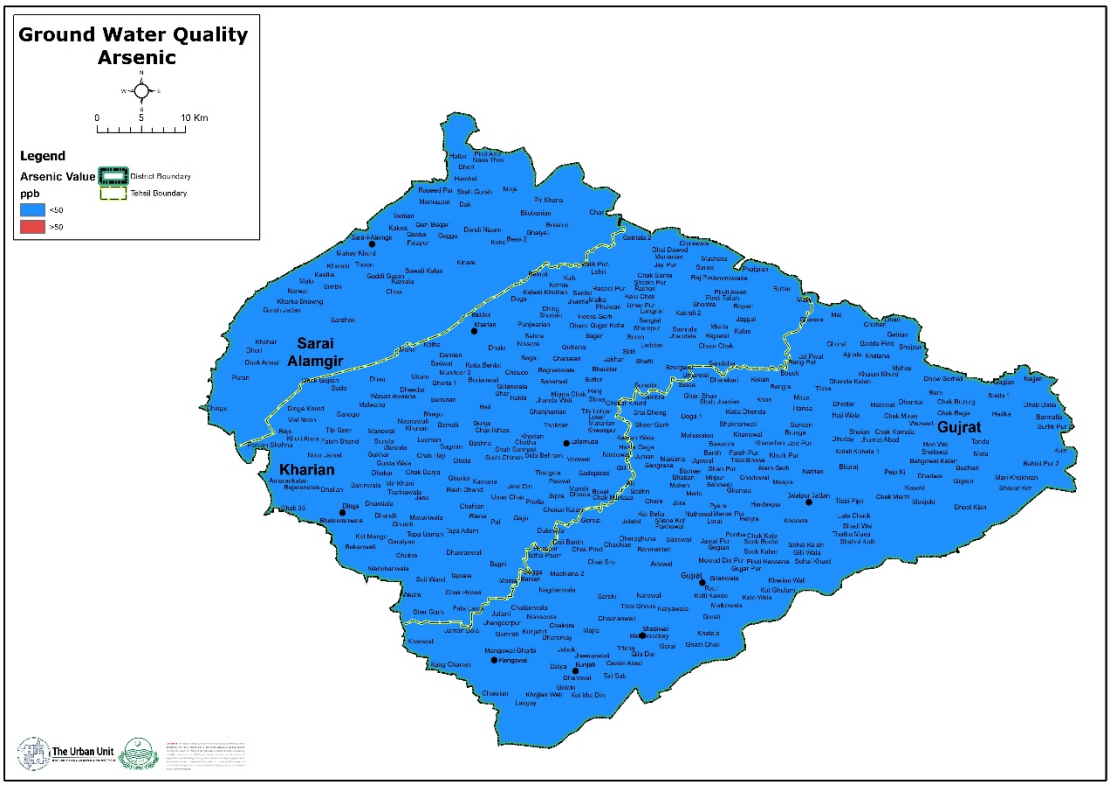


Figure 81: Mapping of Arsenic Contamination in Rural Gujrat

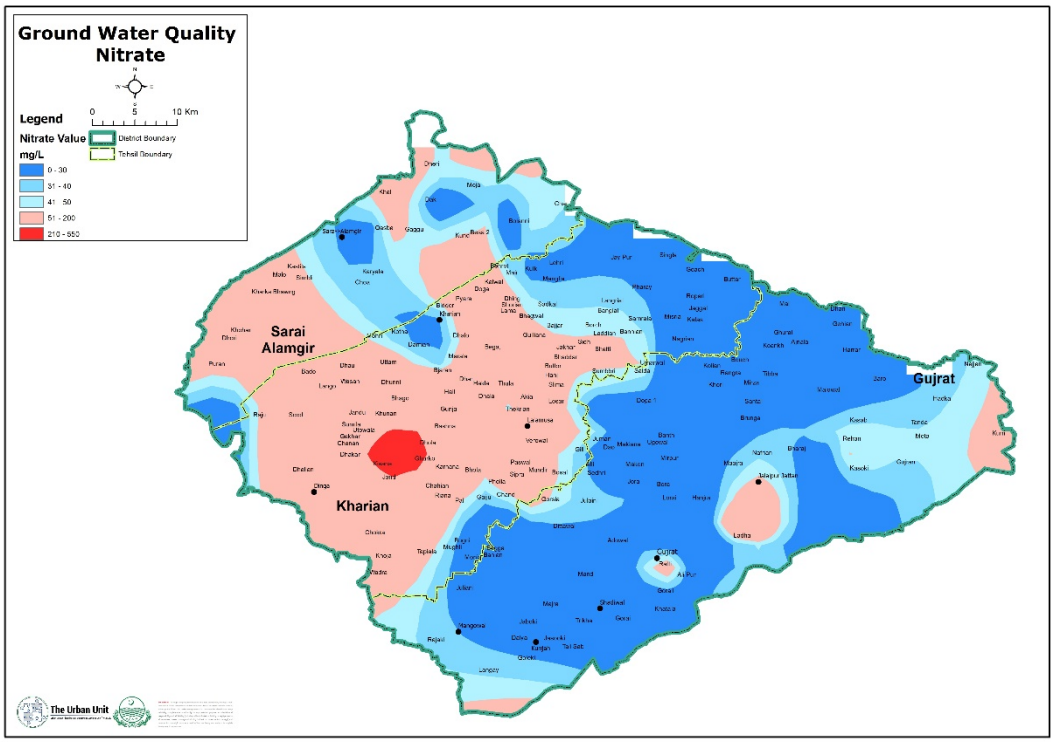


Figure 80: Mapping of Nitrate Contamination in Rural Gujrat

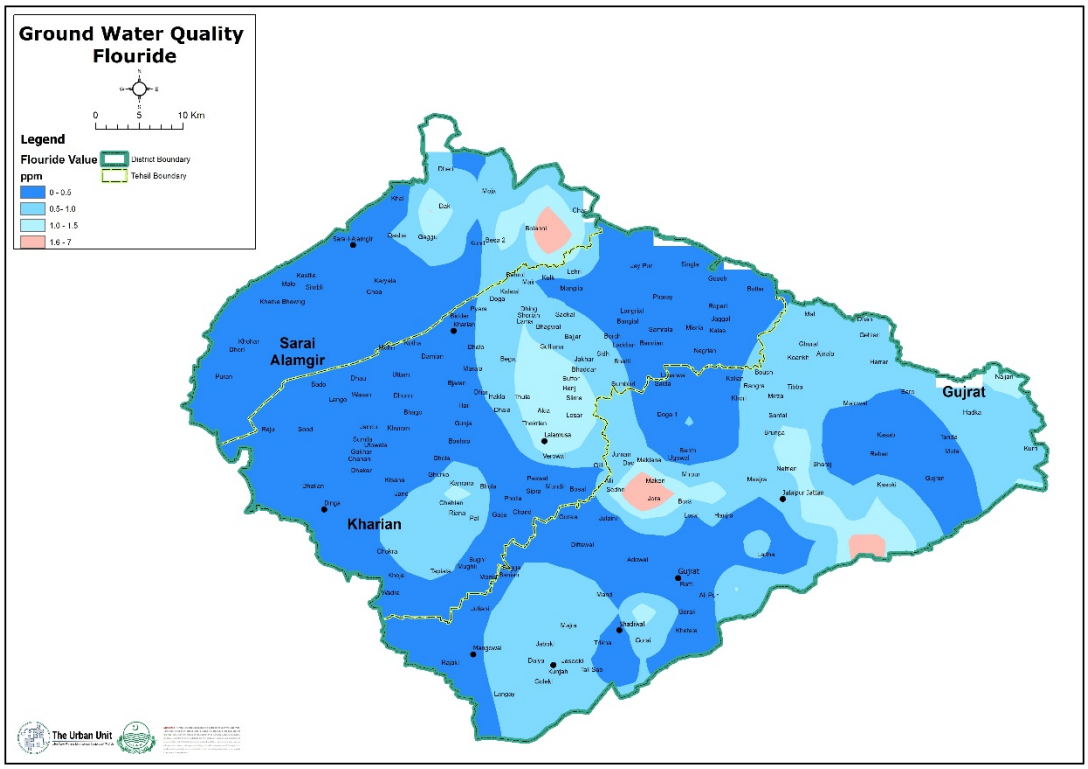


Figure 82: Mapping of Fluoride Contamination in Rural Gujrat

7.2.4 Service Delivery Challenges

Currently there are few challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas of Gujrat

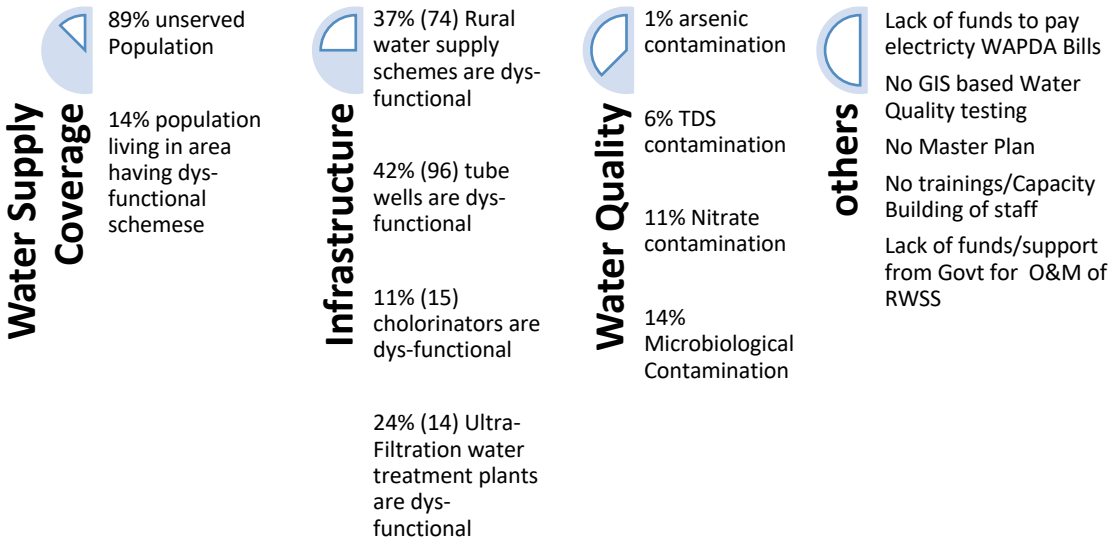


Figure 83: Service Delivery Challenges in Gujrat

7.2.5 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in Gujrat district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural Gujrat are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

7.2.5.1 Infrastructure Requirements Assessment

Currently only two lac population is being served with water supply means only 11 % is served while remaining 89% rural population is still unserved. Rural water supply schemes are present only in 198 villages out of 1051 in rural areas of Gujrat district. There are only 31000 water connections present. Furthermore, 14 (24%) Ultra-filtration plants installed are also dys-functional which need special attention to provide treated safe drinking water to people in villages.

First Priority will be given to villages where neither water supply schemes are present nor water filtration unit exist, then **second priority** will be villages where UF plants are non-functional, **third priority** villages will be those where water schemes are non-functional and so on. Maps of tehsils with functional and non-functional infrastructure is illustrated for priority areas of interventions.

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Gujrat rural area as per PHED water supply criteria.

Table 45: Water Supply Schemes Requirement (No's) in Gujrat

New RWSS Requirements by 2030 in Rural Gujrat				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1 cusecs	104	>5000-15000	124	170
0.5 cusecs	293	2000-5000	83	293
0.5 cusecs combine clusters based schemes	625	10 - <2000	60	120
Total	**1022**		**267**	**583**

Table 46: Water Treatment Units Requirement (No's) in Gujrat

New UF water Filtration Units Requirements by 2030 in Rural Gujrat				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	104	>5000	399,326	253
1000	212	2500-5000	356623	463
1000 (cluster based sahulat centre plants)	706	10-<2500	412,851	412
Total	**1,022**	**-**	**1,168,800**	**1,128**

7.2.5.2 Water Quality and treatment

Based on past secondary data analysis, 99 villages have been identified where TDS water quality parameters were exceeding standard limits and RO plants can be installed as per actual need. However, on past available secondary water quality data number of RO plants are proposed to be installed which can be considered and evaluated on actual basis.

Table 47: Proposed RO plants for water treatment in Gujrat

Villages	Population	Demand	Capacity (L/hr)	No of RO Plants
13	120,600	60,300	2,000	37
15	53,700	26,850	1,000	35
71	89,400	44,700	1000 cluster	45
99	**263,700**	**131,850**	**3,000**	**117**

7.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. While mode of sanitation in rural Gujrat was recorded as comprised of 85% Flush; and 15 % no toilet according to PSLM 2012-13. Open Defecation Free (ODF) in rural Gujrat status was 17% according to MICS 2011.

7.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from CDO-PHED Gujrat on rural sanitation system 2020 in Gujrat is articulated in table below

Table 48: Sewerage and Drainage System in Gujrat

Sr. No.	Item	Value
1	**Sewerage Coverage**	
(i)	Area	0%
(ii)	Population	0%

Sr. No.	Item	Value
2	**Drainage Coverage**	
(i)	Area	98%
(ii)	Population	98%
3	**Treatment Arrangements**	
(i)	No of Waste water treatment Plant	0 No's
(ii)	Waste Water Treatment Plant Capacity	0 Cusec
(iii)	Type of Waste Water Treatment Technology	
(iv)	Any approved Sewerage master plan for the city?	☐ Yes ✓ No
(v)	Knowledge of waste stabilization ponds?	☐ Yes ✓ No
(vi)	Land availability for Waste stabilization ponds?	☐ Yes ✓ No
4	Is there any sanitation plan developed, if so please provide detail? Nil	
5	Is there any sanitation plan developed, if so please provide detail? Nil	
6	Please provide detail, if there is any outsourced sanitation services Nil	
7	Is there any Union for Sanitation services if so please provide detail? Nil	
8	Provide Existing Sewerage System Map, if any Nil	

7.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increased coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Create interest in community for cleanliness activities/choking of sewerage & drainage lines
- Complaint management system for sewerage and drainage services

7.4 Recommendations for WSS sector in Rural Gujrat

Following short (0-3 years), medium (3-5 years) and Long (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of Gujrat

7.4.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- In current fiscal year portfolio, 10 Sewerage and drainage schemes of 894 Million PKR having on-going status in Rural Gujrat are present which needs to be completed at first priority by allocation of remaining 853 Million PKR.
- Similarly, only more rural water supply scheme of worth 49 Million PKR was approved in ADP which should be completed by allocation of remaining 34 Million
- Extension of water supply distribution network for enhanced coverage level especially in non-served area
- Implementation of sewerage and drainage schemes to facilitate sanitation services
- Ensure enhanced coverage of GIS based groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders
- Detailed estimation and feasibility study for development of schemes O&M SOPs and financial allocation from Government.

7.4.2 Medium Term (3-5 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Logistic support should be provided for regular follow up as well as sustainability of schemes
- Strengthen Community based Organizations (CBOs) through technical and financial support
- Ensure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas

- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports

7.4.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of Gujrat
- Outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

7.5 Proposed Projects List (2020-30) for Rural Gujrat

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 49: Project Digest (2020-2030) for Rural Gujrat

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 74 Dys-functional rural water supply schemes in Rural areas of Gujrat (31 in Gujrat Tehsil; 32 in Kharian Tehsil; and 11 in Sarai Alamgir Tehsil)	1,049.88	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Rehabilitation of 14 Dys-functional UF Plants in Rural areas of Gujrat (11 in Gujrat, 1 in Kharaian and 2 in Sarai Alamger Tehsil)	45.50	Short term	PHED	ADP
3	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 117 RO filter in 99 villages	339.50	Short term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP
4	Prepare and implementation of GIS based water quality testing sampling and MIS	5.00	Short term	Urban Unit +PHED	PPP

	based water quality monitoring				
5	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Short term	Urban Unit +PHED	PPP
6	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
7	Installation of 253 new solar based UF plants of 2000 l/hr in 104 villages (each having population greater than 5000)	1,391.28	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
8	Installation of 412 new cluster based solar based UF plants of 1000 l/hr in 706 villages (each having population less than 2500)	3,209.91	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
9	Installation of 120 new cluster based rural water supply schemes, each having capacity of 0.5 cusec each in 625 villages (each village having population of <2000)	1,777.55	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
10	Construction of sewrage and drainage schemes in unserved villages in unserved area to improve coverage to 30% (population 605000)	46.90	Medium term	PHED	ADP
11	Installation of 463 new cluster based solar based UF plants of 1000 l/hr in 212 villages (each having population 2500-5000)	3,607.25	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
12	Installation of 170 new rural water supply schemes having capacity of 1.0 cusec each in 104 villages (each village of having population >5000)	3,345.58	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
13	Installation of 293 new rural water supply schemes, each	4,336.26	Long term	Punjab Aab e Pak	ADP

	having capacity of 0.5 cusec each in 293 villages (each village having population of 2500-5000)			Authority (PAPA) /PHED	
14	Conduct feasibility study and Design and construction of wastewater treatment plant	6.11	Long term	PHED	CPEC
15	Construction of sewrage and drainage schemes in unserved villages in unserved area to improve coverage to 30% (population 605000)	46.90	Long term	PHED	ADP

*

7.5.1 Projects Digest for WSS in Rural Areas

Rehabilitation of Dys-Functional Rural Water Supply Schemes (Sr.No 1)

Category: Short Term (0-3 Years)

Scope:

The proposed project covers rehabilitation of 74 Dys-functional rural water supply schemes in Gujrat, (31 in Gujrat Tehsil; 32 in Kharian Tehsil; and 11 in Sarai Alamgir Tehsil). All schemes are present in sweet water zone except 7 svhemes. It is detected that Large number of schemes 22 schemes become dys-functional before 2000, 27 during 2000-2010 and 25 become dysfunctional after 2010 due to multiple reasons. Reasons of failure of schemes are (i) absence of electric connection due to non-payment of wapda dues; (ii) damage of raising main, Pumping Machinery, Distribution System; (iii) source failure. Rehabilitation will cover the replacement of old damaged lines, tube wells, raising main and machinery and installation of chlorinator. Rehabilitation of these schemes will serve approximately 300,000 populations of 74 villages who are currently deprived of tap water. Implementation of project will enhance water supply coverage by 15% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby water source. The List of dys-functional schemes and mapped points of schemes are given.

Table 50: List of dys-Functional Schemes to be rehabilitated in Gujrat

Sr. no	Scheme Name	Tehsil
1	Surakh Pur	Gujrat
2	Mattianwala	Gujrat
3	Barila sharif	Gujrat
4	Malowal	Gujrat
5	Gharal	Gujrat
6	Roopwal Rangra	Gujrat
7	Bhagowal Kalan	Gujrat
8	Shah Pur	Gujrat
9	Chechian Shamas	Gujrat
10	Shiekh Pur	Gujrat
11	Dhidhar	Gujrat
12	Makin	Gujrat
13	Dolat Nager	Gujrat
14	Lambra	Gujrat
15	Machiwal	Gujrat
16	Majra	Gujrat

17	Tibbi Botay Shah	Gujrat
18	Chahra	Gujrat
19	Dhudra	Gujrat
20	Harriawala	Gujrat
21	Lala Chak	Gujrat
22	Chak Ghazi	Gujrat
23	Dheerkay Kalan	Gujrat
24	Majra Shareef	Gujrat
25	Sohal Gharbi	Gujrat
26	Khunan Gharbi	Gujrat
27	Musa Khatana	Gujrat
28	Jeeranwali	Gujrat
29	Kot Allah Bakish	Gujrat
30	Dheerkay Khurd	Gujrat
31	Kathana	Gujrat
32	Dhakranwali	Kharian
33	Topa adam	Kharian
34	Amra kalan	Kharian
35	Dhoke Gujran	Kharian
36	Khoonan	Kharian
37	Haji chak	Kharian
38	Attowal	Kharian
39	Karrariwala Khurd	Kharian
40	Joura	Kharian
41	Ranian	Kharian
42	Babnian	Kharian
43	Chokar Kalan	Kharian
44	Dhullanwala	Kharian
45	Chak Dina	Kharian
46	Gunja	Kharian
47	Barnali	Kharian
48	Chak Miana	Kharian
49	Punjan Kisana	Kharian
50	Thekhrian	Kharian
51	Khawas pur	Kharian
52	Nandowal	Kharian
53	Bahadar	Kharian
54	Shorian	Kharian
55	Manglia	Kharian
56	Hassam	Kharian
57	chachowal	Kharian
58	Kakrali	Kharian
59	Mrarian	Kharian
60	Sarsaal	Kharian
61	Gotriala	Kharian

62	Dhuni	Kharian
63	Kolian Habib	Kharian
64	Bawali Kalan	Sarai Alamgir
65	Sir Dhohek	Sarai Alamgir
66	Sheikh pur androoni	Sari-alam-gir
67	Bolani	Sari-alam-gir
68	Ghial zair	Sari-alam-gir
69	Mandi Bhalwal	Sari-alam-gir
70	Bakoal jattan	Sari-alam-gir
71	Bakool Chibban	Sari-alam-gir
72	Bagh nagar	Sari-alam-gir
73	Kanara Lass	Sara Alamgir
74	Dangroot	Sari-alam-gir

Rehabilitation of 14 Dys-Functional Rural Water Filtration Units (Sr.No 2)

Category: Short Term (0-3 Years)

Scope:

It aims to provide clean drinking water facility based on minimum requirement set by World Health Organization, ensuring provision of potable water to rural households. The proposed project covers rehabilitation of 14 Dys-functional rural water treatment Ultrafiltration (UF) plants in Gujrat, 11 in Gujrat, 1 in Kharian and 2 in Sarai Alamgir Tehsil. These all UF treatment units, each having capacity of 500 l/hr, were installed during 2009- 2011 which are currently dys-functional due to multiple reasons.

Rehabilitation will cover full assessment of treatment plant including replacement of UF membranes, screen filter, filter media (carbon filter, sand filter), repair of feed pump, maintenance/replacement of treated storage tank, meters, pumps, as per requirement, borehole test, repair of civil works, backwashing process, electricity source, water quality testing of source water and treated water. Rehabilitation of existing treatment plant schemes will provide treated drinking water to approximately 95,000 population of 14 villages. Implementation of project will enhance drinking water supply coverage by 05% to unserved population. The provision of treated water will not only protect from diseases but also will save the time to fetch water from farther treatment unit. The List of dys-functional UF plants and their maps are given.

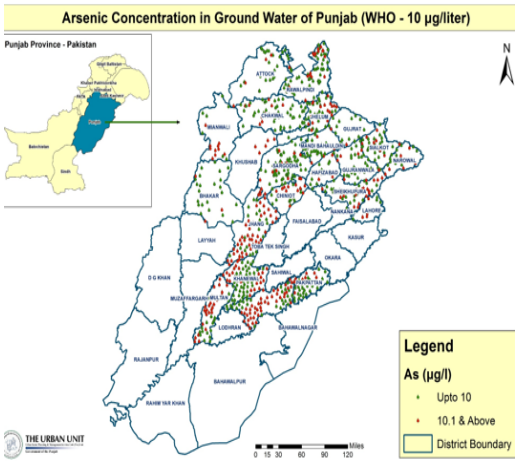
Table 51: List of dys-Functional Filtration Plants to be rehabilitated in Gujrat

Sr. No.	Tehsil	Name of Water Filtration Plant
1	Gujrat	Malik Pur Chara
2	Gujrat	sook kalan 1
3	Gujrat	Kant
4	Gujrat	Raseeda
5	Gujrat	Jeowanjal
6	Gujrat	Haria Wala (2)
7	Gujrat	Haria Wala (1)
8	Gujrat	Mangowal Gharbi 2
9	Gujrat	kalara kallan
10	Gujrat	Kung Chanan
11	Gujrat	Phira Khatana
12	Kharian	Khoonan
13	SA/Gir	Nothia
14	SA/Gir	Khudriala

Groundwater quality testing coverage in identified hotspot villages and installation of proposed 117 RO plants in 99 villages (Sr. No 3)

Category: Short Term (0-3 Years)

Scope:



This projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas of Gujrat so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator.

It is noted from secondary water quality analysis that 99 samples of TDS had value exceeding the maximum limit of 1000 ppm that can affect 3 lac people of villages who are using the brackish water. It is proposed that water quality testing should be done in identified villages and install RO plants. The treatment unit will be constructed involving power source, testing of water source, pre-fabricated storage tanks, RO modules, Arsenic/nitrate filter tanks, backwashing process, taps, pumps and valves set up etc. From statistical analysis of safe water need, it is calculated that 37 RO units of 2000 l/hr will be required for 13 villages; 35 RO units of 1000 l/hr capacity in 15 villages and 45 cluster based RO units will be required for 71 villages. Total approximately 263000 people will be benefited from the availability of safe drinking water through installation of RO plants. Similarly, it is observed that 28 samples had nitrate contamination which can be removed through installation of nitrate removal membranes/media along with RO membranes.

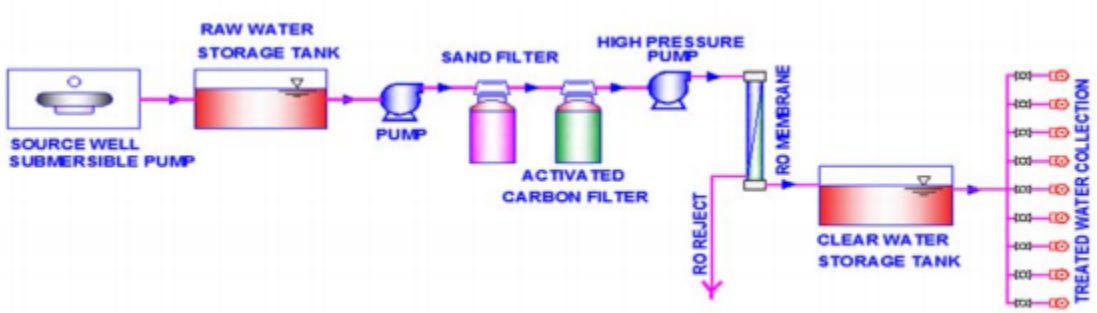


Table 52: Identified Villages for water contamination in Gujrat

tehsil	village	TDS	tehsil	village	TDS	tehsil	village	TDS
Kharian	bider merjan	7708	Gujrat	Awan sharif	1563	Gujrat	Mehmood chimna	1210
Kharian	domian	4803	Gujrat	Awan sharif	1563	Kharian	jurah+chak maina	1210
Kharian	goteriala	2858	Gujrat	Gugga	1540	Kharian	bhand gran	1190
Kharian	Bhau gseet pura	2666	Gujrat	Chankan wali	1530	Kharian	khunnan	1190
Kharian	budowal	2662	Kharian	Barnali	1500	Gujrat	Mehmood chimna	1190
Kharian	bhaloot	2620	Gujrat	Tibba Hamid Shah	1490	Gujrat	Naya Garalla	1180
Kharian	kotla bhlhot	2280	Kharian	bhola	1480	Gujrat	Jaman	1170
Gujrat	Saidhri	2270	Kharian	chak pirana	1470	Kharian	gaju	1160
Gujrat	Dalysns	2210	Gujrat	Gidian	1470	Kharian	kolian shah hussain	1150
Gujrat	Majran	2200	Gujrat	Jaara	1470	Gujrat	Kait	1140
Gujrat	Majran	2190	Kharian	khoja	1460	Kharian	bhaloot	1140
Kharian	Fateh Bhand	2160	Kharian	Noona wali	1430	Kharian	Fateh Bhand	1130
Gujrat	Jaara	2150	Kharian	hail	1430	Kharian	Dhandala	1120
Kharian	Attowalla	1980	Kharian	kamala	1420	Kharian	paal	1110
Gujrat	Gorsian	1965	Kharian	khunnan	1400	Gujrat	Jamo bola	1110
Gujrat	Gidian	1890	Gujrat	Khanwali	1390	Gujrat	Jamo bola	1110
Kharian	Attowalla	1870	Gujrat	Khanwali	1390	Kharian	chak no 35	1090
Gujrat	Surkh Pur	1851	Kharian	chima	1370	Kharian	latoree	1090
Gujrat	Saidhri	1830	Kharian	dhulain	1360	Kharian	chechisn	1080
Kharian	rakhdand	1820	Kharian	pir jand	1340	Gujrat	Aali	1070
Kharian	Gratian	1800	Kharian	luqman	1330	Kharian	murghi khana	1063
Kharian	Raja pur	1790	Gujrat	Sheikh pur	1310	Kharian	randhir	1060
Kharian	karnana	1780	Kharian	Dhall Kerr	1290	Kharian	gaju	1060
Gujrat	Tibba Hamid Shah	1750	Kharian	fateh garh	1280	Kharian	Bajwarwala	1060
Gujrat	Dewna Village	1720	Kharian	subhan	1270	Kharian	Bhago	1050
Gujrat	Jajowal	1720	Kharian	kalu shai	1245	Kharian	khoja	1040
Gujrat	Nawan Lok	1690	Gujrat	Jalalpur	1240	Kharian	soliwand	1040
Gujrat	Nawan Lok	1690	Kharian	rehsian	1220	Kharian	ranian	1040
Kharian	mohri shrif	1582	Kharian	GHakkar	1220	Kharian	sayda	1034
Gujrat	Gugga	1570	Kharian	dullanwala	1210	Sarai Alamgir	Khuhar Khurd	1029
Gujrat	Chak Sada	1010	Kharian	tibbi chachian	1020	Gujrat	Kalra Kalan	1010
Gujrat	Dali Banth	1010	Kharian	thlla	1020	Gujrat	Parsawal	1010

Kharian	chechisn	1010	Gujrat	Dhillo Gharbi	1011	Gujrat	Parsawal	1010

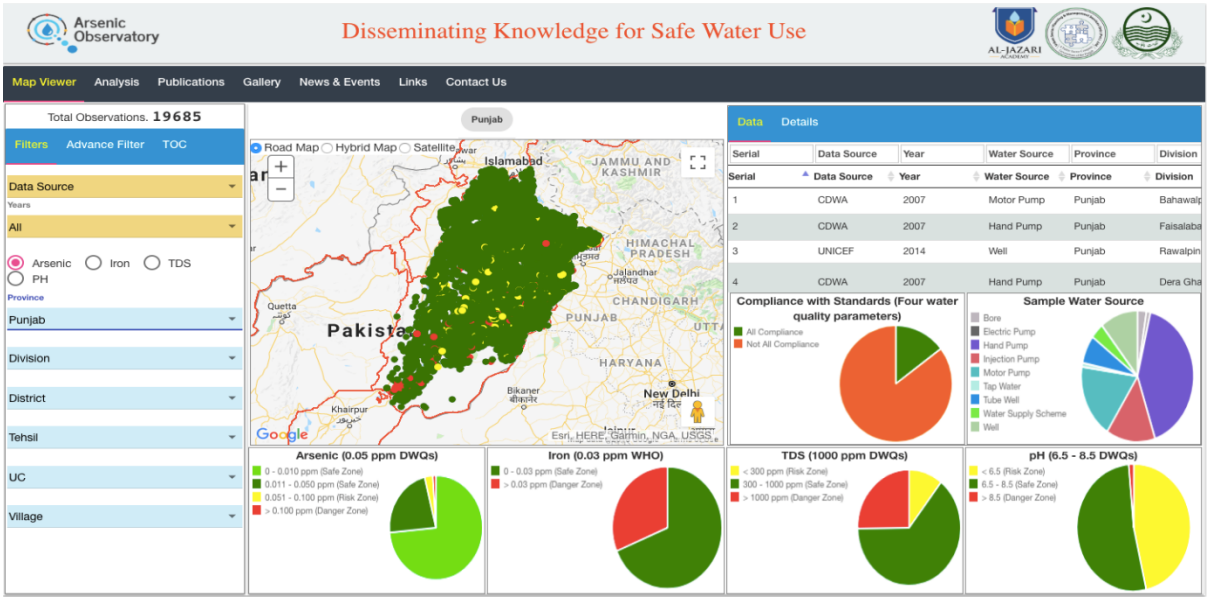
Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring (Sr. No 4)

Category: Short Term (0-3 Years)



Scope:

The projects aims to establish GIS based water quality monitoring dashboard system for Screening of the real hotspot areas based on accurate sampling, testing and data analysis and taking right decision of installation of type of water treatment units. Interface of dashboard will be developed for water quality live monitoring. Furthermore, Mobile application will be developed for water quality sample data collection and directly linked with MIS based monitoring dashboard. Secondary water quality data available will also be uploaded on dashboard. A sampling and a testing regime for water quality parameters across the ground water sources in rural areas will be developed so that water quality status of whole district/region is accurately reported/placed at one place and true hotspot areas will be marked and pointed geo spatially. Water quality tests will be carried out either in PHED laboratory or in mobile lab and respective results will be uploaded on live portal. The dashboard will give real time analysis of water quality situation and give directions where interventions are needed. The web portal results will also be accessible easily on mobile app for users to check water quality levels in their waters. Dedicated staff personnel will be deputed for monitoring of dashboard and data management and analysis. Automatic Monthly Progress reports of water quality will be generated and monitored.

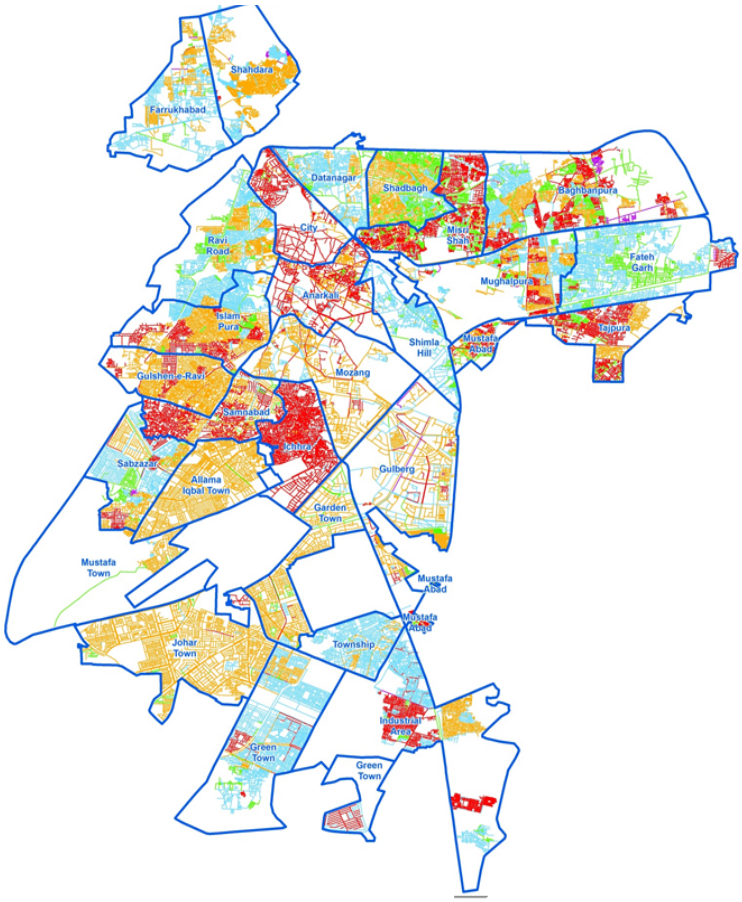


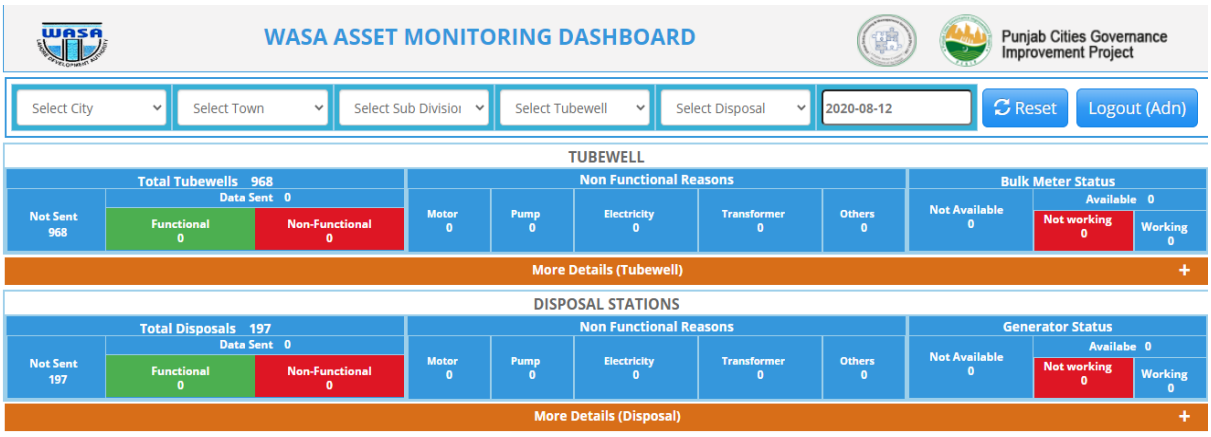
Implementation of WSS Asset Mapping and Asset Management Information System (Sr. No 5)

Category: Short Term (0-3 Years)

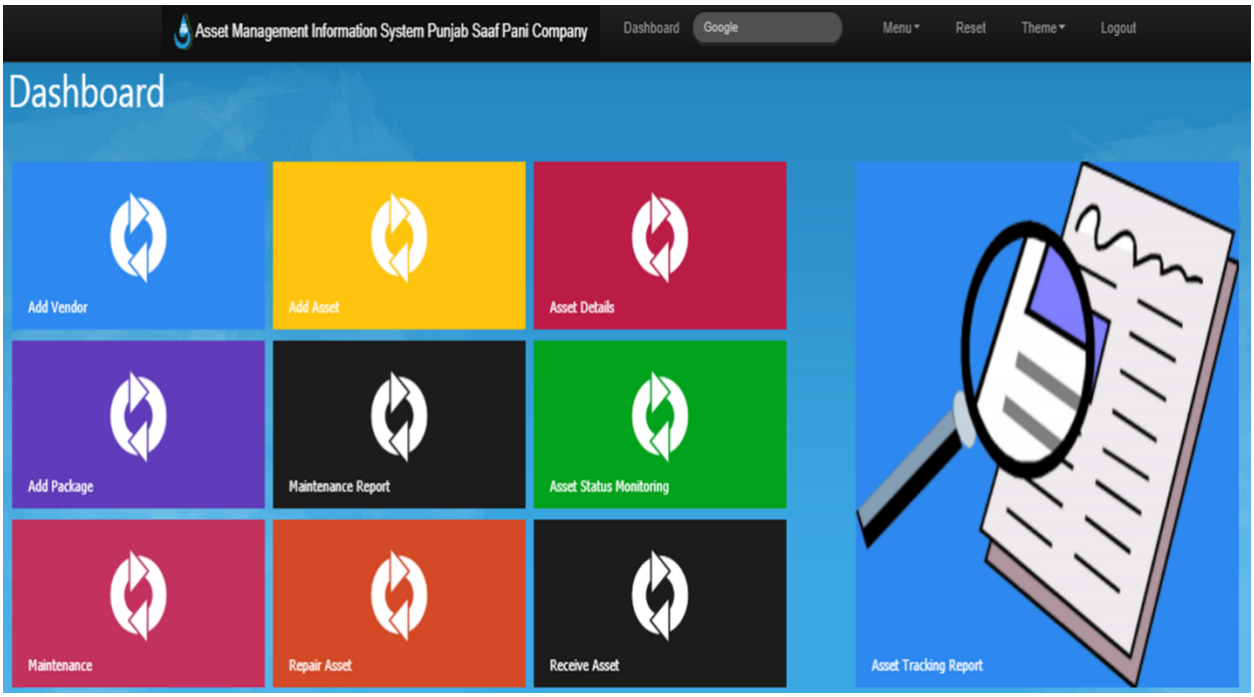
Scope:

Its objective is to manage and monitor all water and sanitation infrastructure present in rural areas. It will help in development of database, assessment of infrastructure condition, and taking right decision for investment in upgradation or rehabilitation of structure. GIS based dashboard and data collection mobile app will be developed. Survey will be carried out to map all water and sanitation (WSS) assets along with their condition through mobile application. Dashboard will be developed backing satellite imagery based population and rural settlements with overlaying of WSS infrastructure. Module will lead to decision support system to identify gaps, traps leakages and identify need for priority interventions. The system will also produce consolidated reports based on the attribute data put into the GIS based asset inventory.





The reports will help to make decisions regarding replacement of assets, their timely repair and maintenance and will provide a better control and monitoring mechanism. This support system should link engineers, planners and field support staff to middle management.



Gujranwala Regional Development Plan 2030



District MBDin

RURAL

8 Section-I Rural District MB Din Profile

8.1 Location Boundary

MB Din is one of the district among six districts of Gujranwala Division of Punjab. Rural area of MB Din district comprises of three tehsils namely MB Din, Phalia and Malakwal. Map of rural areas settlements at tehsils level is shown in figure 84

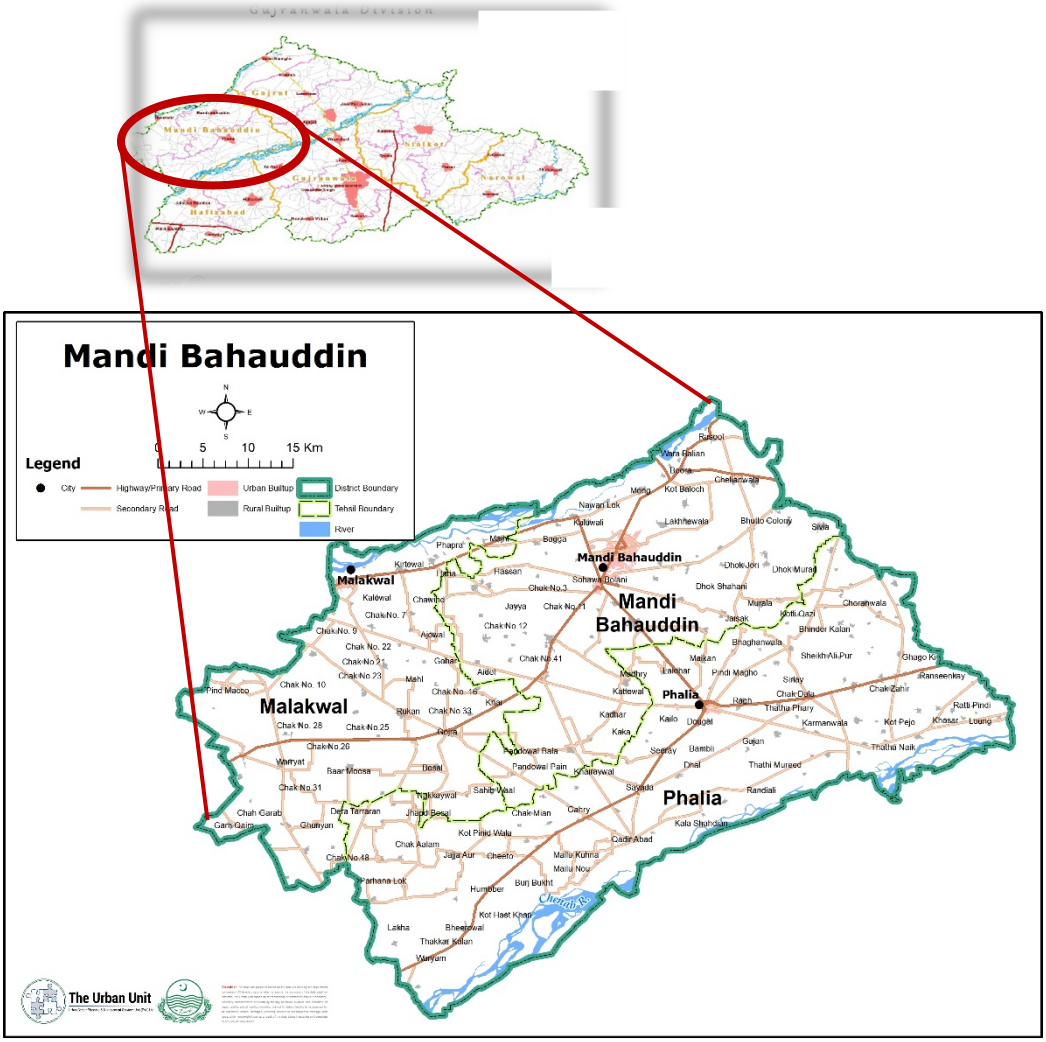


Figure 84: Boundary of Rural MB Din

8.1.1 Geography

MB Din district forms a central portion of the Chaj Doab lying between the Jhelum and Chenab rivers. It lies from 30° 8' to 32° 40' N and 73° 36' to 73° 37' E. The tehsil headquarters towns of Phalia and Malikwal are 22.5 and 28.5 kilometres (14.0 and 17.7 mi) from Mandi Bahauddin, respectively. It is bounded on the north by the Jhelum river, which separates it from Jehlam district; on the west by Sargodha district; on the south by the river Chenab (which separates it from the Gujranwala and Hafizabad districts); and on the east by Gujrat district. The total area of the district is 2,673 square kilometres (1,032 sq mi).

8.1.2 Demography

According to 2017 census MB Din District's population is 1.59 million and 80% resides in rural. Rural population was 1.266 million in 2017 with 49:51 male to female ratio. Rural population and households present in 421 villages of MB Din district as per census 2017 and projected population for next 10 years by considering population growth rate of 1.56 is mentioned in table 54.

Table 53: Demography of Rural MB Din

		Population (2017)	HH (2017)	Estimated Population (2030)
MB Din District	**Rural**	1,266,892	199,336	1,549,297
MB Din Tehsil	Rural	450,800	70,253	551,288
Phalia Tehsil	Rural	487,644	76,818	596,345
Malakwal Tehsil	Rural	328,448	52,265	401,663

8.2 Section-2 Rural Water Supply System

The Jhelum flows along the northern boundary of the Tehsil Mandi Bahauddin. The lower Jhelum canal, R.Q. Link and Gujrat Branch across the Tehsil Mandi Bahauddin. In Mandi Bahuddin, there are two reliable sources of water available. One is Canal and other is ground water. Mostly canal water is being used for crops irrigation, whereas people are getting ground water for drinking purpose and houses purpose. Main and miner canals are passing through to Mandi Bahuddin. This is main source of recharge of groundwater.

The main source of drinking water in area is groundwater which is extracted through hand pumps, shallow and deep tube-wells. Groundwater present in MB Din district, currently used as source of drinking water majorly comprises of fresh water zone as the nature of strata uncounted is course sand and gravel sufficient quantity of water is available in this area. Secondary analysis of groundwater quality by UNICEF & PHED in 2016 revealed 5% TDS contamination, while nitrate and fluoride contamination was found out at 14 and 13% respectively in some areas.

Improved drinking water in rural MB Din with contribution of 5 % tap water; 50 % hand pump and 40 % motor pump was present as per PSLM 2012-13 survey which tell the less access of tap water.

Major information acquired from Junior Research Officer (JRO) PHED MB Din on current rural water supply system 2020 in MB Din is articulated in table 55.

Table 54: Rural Water Supply System in MB Din

Sr. No.	Item	Value	
1	**Coverage**		
(i)	Water supply coverage area	18% + 480 km^2	
(ii)	Population	261165 No's	
(iii)	No of zones	3	
2	**Ground Water (tube wells based system)**	☐ Yes	☐ No
	In case of yes, provide following details;		
(i)	No of Tube Wells	Total No. 44	
		☐ Functional 26	
		☐ Non-Functional 18	
(ii)	Capacity of Functional Tube Wells	15.50 Cusec	
3	**Water Filtration Plants**		

(i)	No of Water filter plants	Total No. 12
	Installed under Clean Drinking Water Initiatives	Functional 3
		Non-Functional 9

(ii)	Type of Water Treatment Technology installed	Ultra Filtration
(iii)	Total water Supply	96000 G/day
(iv)	Total water demand	143942 G/day
(v)	Duration (Supply Hours)	8 Hrs.
(vi)	Operate by:	CBO
(vii)	Maintained by:	CBO
(viii)	No of Water filter plants	Total No. _____
4	**Connections**	
(i)	Domestic Connections	3893 No's
(ii)	Hypo chlorinator	26 No's *Provide detail in Annex with locations*
5	**Water Consumption**	
(i)	Per Capita water Consumption	20 lpcd
(ii)	Total Water Consumption	5223 MGD
(iii)	No of Overhead Reservoirs	Total No. 20 Functional 20 Non-Functional --
(iv)	Capacity of Overhead Reservoirs	310,000 M Gallons
6	**Water Distribution Network**	
(i)	Type of Distribution pipe network	PVC 3" to 8" Inch (Type: e.g. AC/PVC)
(ii)	Approximate pipe length	1440 km

8.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. Although water supply is being provided via distribution lines with little coverage in rural areas. PHED' design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level' water demand is calculated because of scattered settlements present at farthest distance from each other. While 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 55: Water Demand in MBDin

Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)
Up to 5000	10	5,001-10,000	15	10,001-20,000	20	20,001-50,000	30

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	2030	2020	2030
MB Din Tehsil	36,595,628	48,435,390	1,496,986	1,747,611
Phalia Tehsil	30,675,747	39,286,483	1,619,331	1,890,440
Malakwal Tehsil	28,523,063	34,981,115	1,090,643	1,273,289
Total Rural	**95,794,438**	**122,702,988**	**4,206,961**	**4,911,339**

8.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in MB Din tehsils is groundwater. Total 198 Rural water supply schemes are currently present for provision of water supply. Furthermore, 58 rural water filtration plants (RWFPs) are also installed by PHED.

8.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. Distribution of RWSS in tehsils of MB Din is given below. All 42 RWSS are installed by PHED in tehsils of MB Din. Maximum number of schemes are present in Phalia tehsil. Among all installed schemes, currently, only 43% water schemes are in working condition while 57% water supply

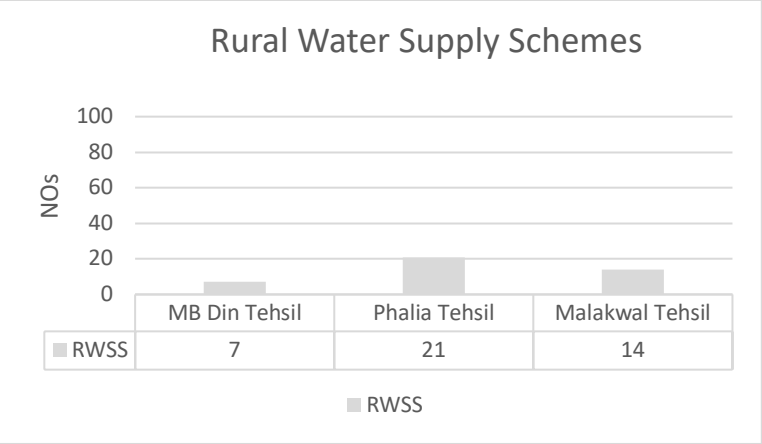


Figure 85: Total Rural Water Supply Schemes (RWSS) in MB Din

schemes are non-functional. Furthermore, working condition of RWSS in % age in tehsils of MB Din is illustrated through graph in figure 86. It is observed that large number of water supply schemes are non-functional in Malakwal tehsil which need concern and attention towards its rehabilitation and to ensure water coverage to rural population.

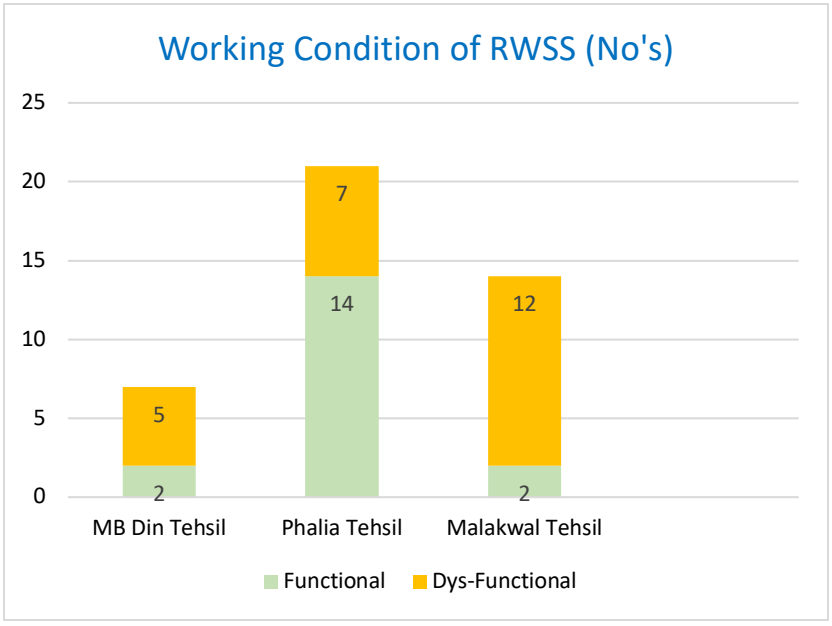


Figure 86: Working Condition of Water Supply Schemes in Rural MBDin

According to data provided by PHED MBDin, total 18 functional water schemes are currently serving 80367 rural population in MB Din district. These all functional schemes have tube wells of total 10 cusecs capacity at 450-500 ft supply approx. 70 cusecs daily and chlorinators are installed on all functional schemes. Tube wells operate for 6-16 hours in a day. Reasons of failure of schemes are (i) absence of electric connection due to non-payment of wapda dues; (ii) community conflict; (iii) transfer/machinery stolen; (iv) outlived system and (v) source failure. Spatial location of functional and dys-functional water supply schemes installed in tehsils of MB Din is presented in figure 87.

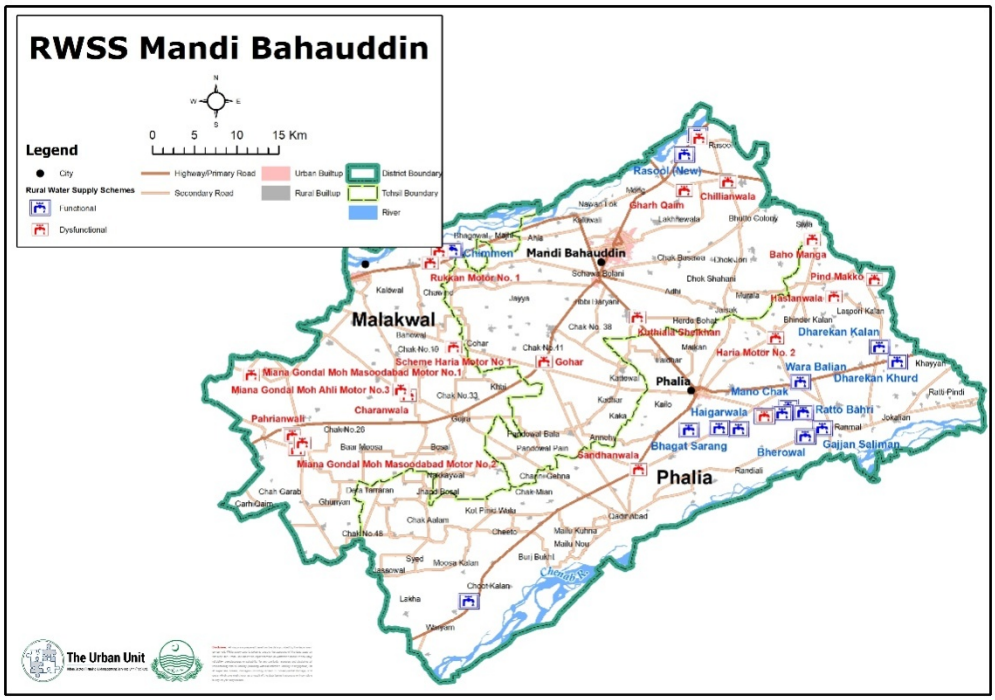


Figure 87: Mapping of Functional & Dys-Functional Water Schemes in MB Din Tehsils

8.2.2.2 Treatment Units

There are 18 Ultra filtration plants installed in tehsils of MB Din from which currently 6 (33%) water treatments plants are functional and remaining 12 (67%) plants are non-functional. All functional as well as non-functional plants are of 4000 litre/hour capacity.

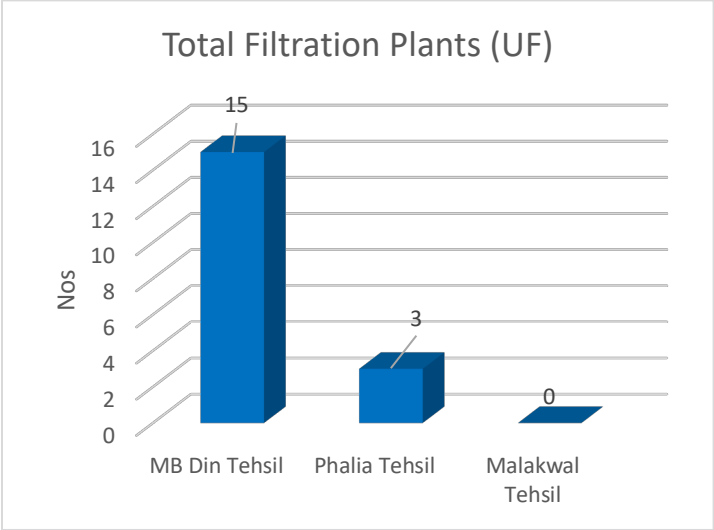


Figure 88: Number of Filtration Plants in MBDin

Furthermore, Functionality of filtration units in tehsils of MB Din is displayed in figure 87. It is noted that no treatment plant is functional in Malakwal tehsil. Majorly, all current dys-functional plants are installed before 2010.

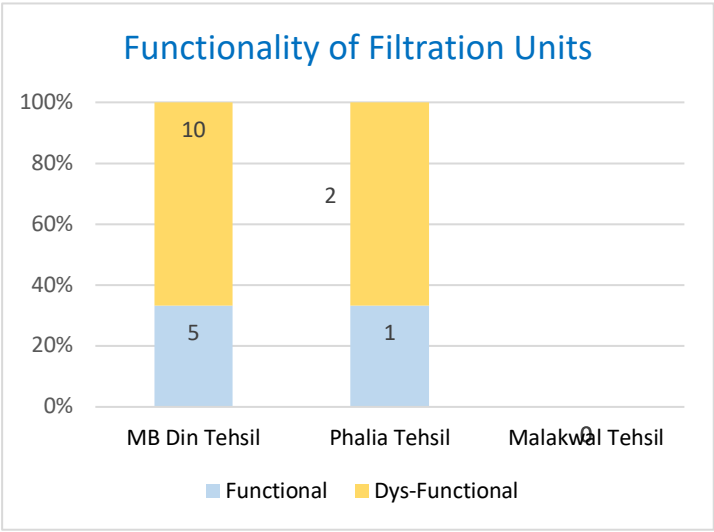


Figure 89: Functional & Dys-Functional Filtration Unit in MBDin

Spatially marked locations of water treatments plants in MB Din rural areas is shown in map.

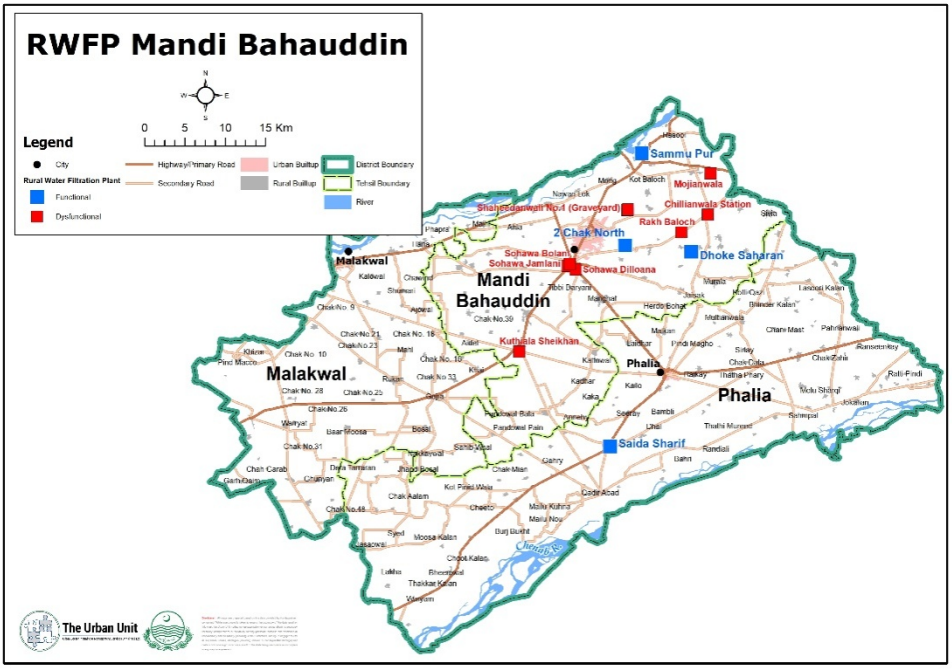


Figure 90: Mapping of Functional & dys-Functional Filtration Plants in Rural MB Din

8.2.3 Water Quality Situational Analysis

MB Din laboratory is being used for testing analysis of water quality in rural areas. Monthly progress is being monitored of all rural water supply schemes water quality. Primary water quality data analysis summary of 2019- 2020 was provided by CDO MB Din.

8.2.3.1 Primary Water Quality Analysis

According to water quality data provided by Community Development Officer (CDO) of MB Din PHED, multiple water quality parameters at rural water supply schemes are being checked and monitored. Physical parameters including Odor, Color and Taste; Chemical parameters including pH, TDS, Calcium, Magnesium, Hardness, Alkalinity, Chloride; and Bacteriological parameters including Total Coliforms data was provided by CDO PHED MB Din at rural water supply schemes. It is noted from results that physical parameters test results were 100% safe, chemical parameters result was 94% safe and microbiological parameters were 94% safe.

8.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 124000-300000 population of rural population may be at risk.

Highest percentage of water contamination are observed for nitrate and Flouride respectively. Samples taken from 0-550 ft of groundwater and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only arsenic and fluoride are safe in area as 0% contamination was found. While presence of remaining TDS, and especially nitrate contamination is of concern and point out the need for installation of Reverse osmosis and other contaminant removal membranes on actual water quality re-confirmation. Spatially mapped secondary water quality data is drawn and illustrated in figure 92-95.

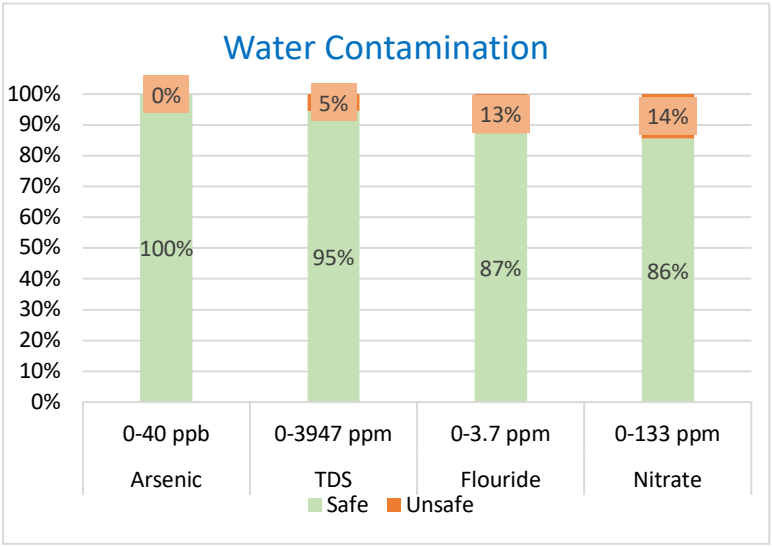


Figure 91:Graphical representation of Water Quality Contamination in Rural Area of MBDin

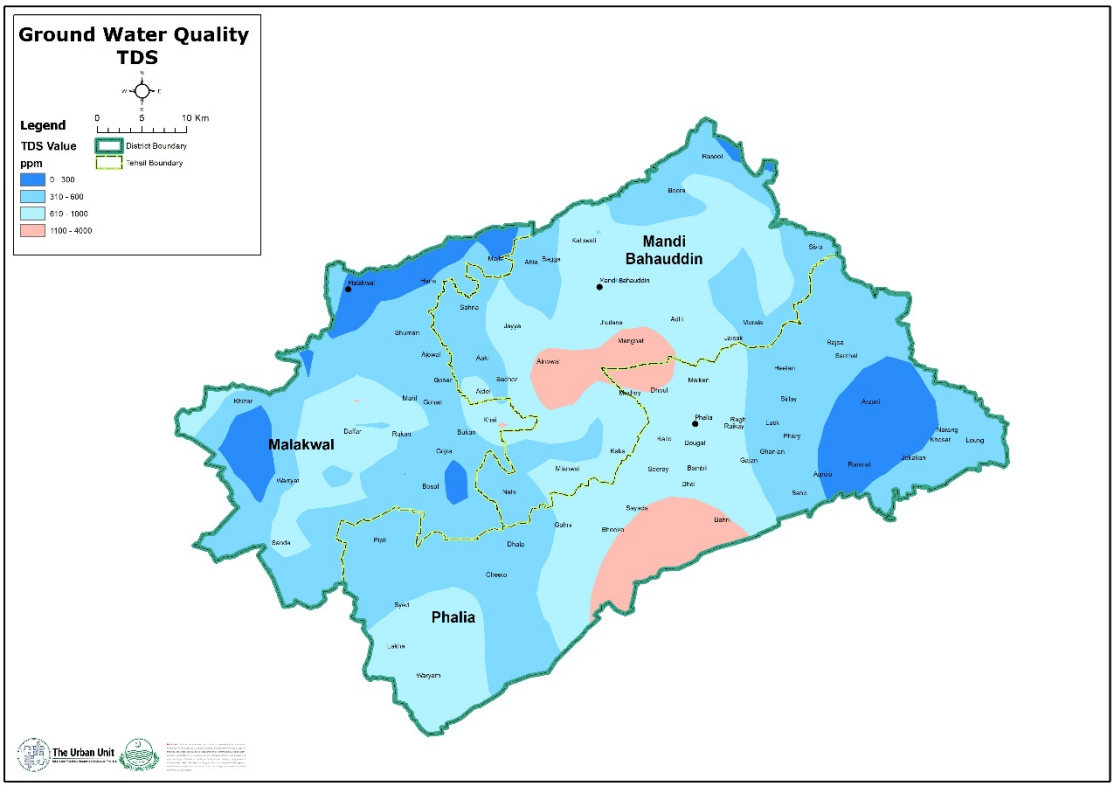


Figure 92: Mapping of TDS Contamination in Rural MB Din

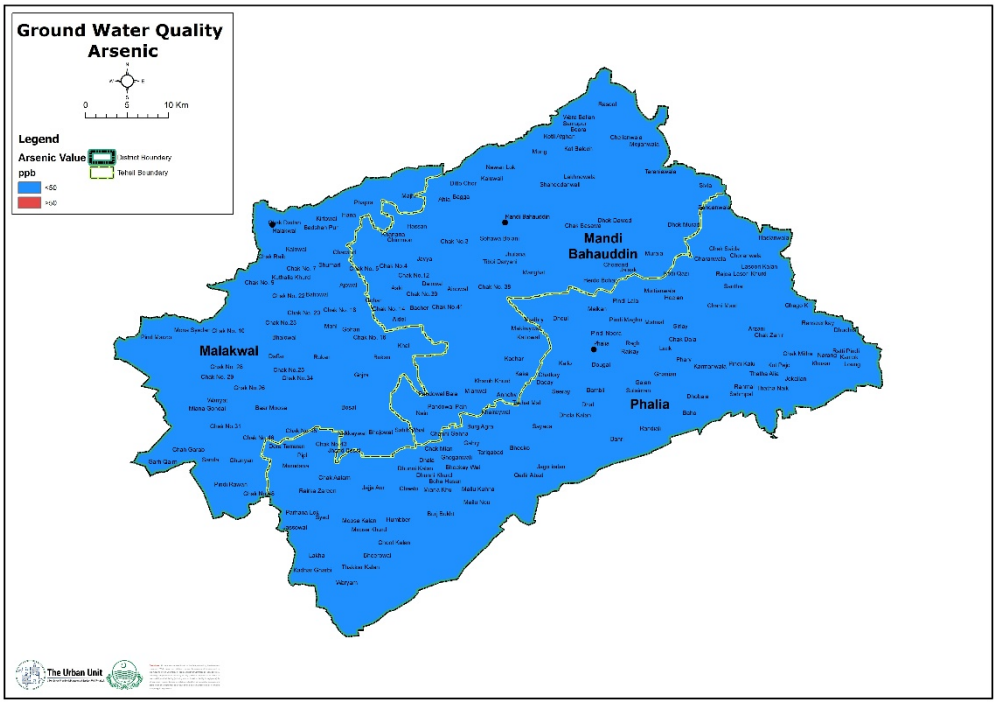


Figure 93: Mapping of Arsenic Contamination in Rural MB Din

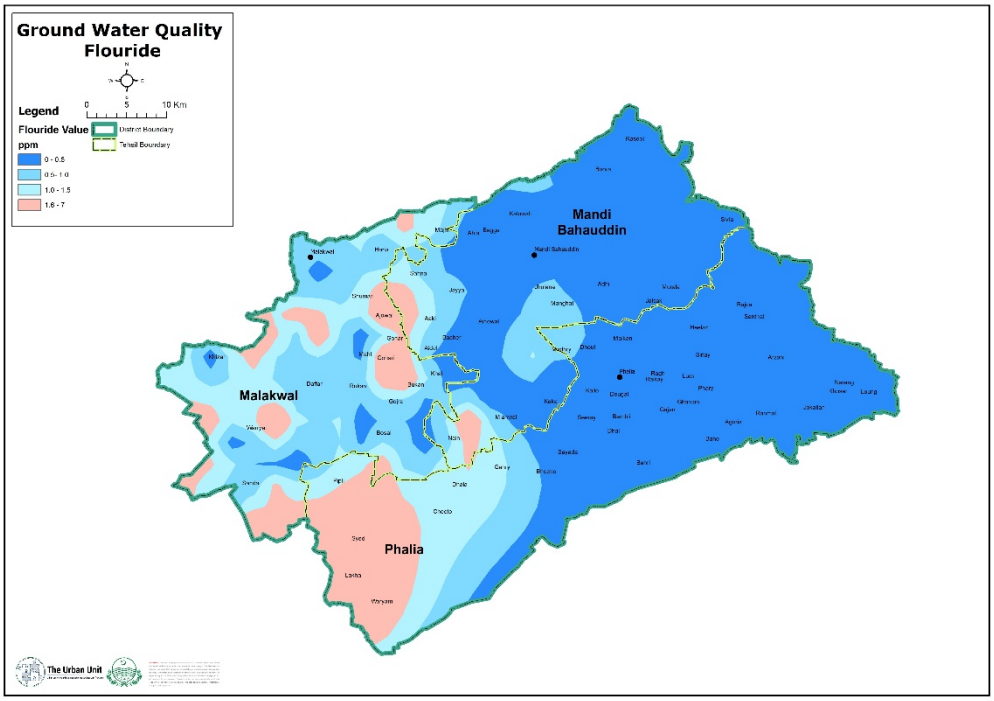


Figure 94: Mapping of Fluoride Contamination in Rural MB Din

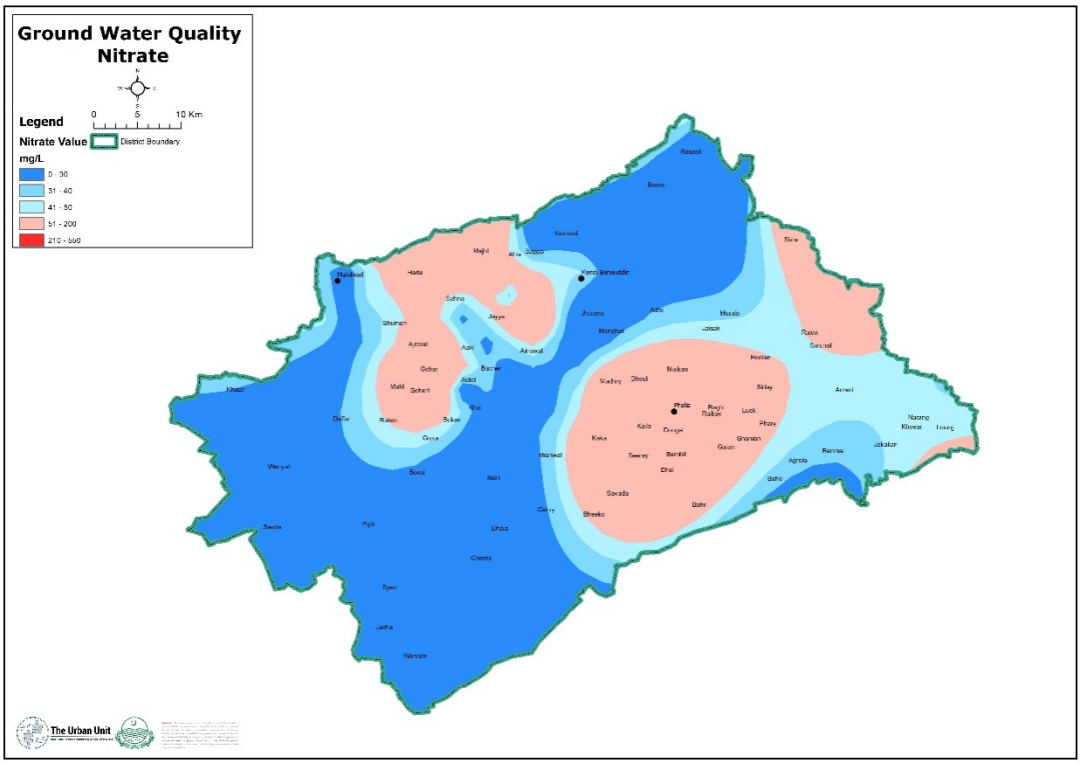


Figure 95: Mapping of Nitrate Contamination in Rural MB Din

8.2.4 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in MB Din district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural MB Din are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

8.2.4.1 Infrastructure Requirements Assessment

Currently only approx. 2.6 lac population is being served with water supply means only 20 % is served while remaining 80% rural population is still unserved. Rural water supply schemes are present only in 42 villages out of 421 in rural areas of MB Din district. Furthermore, 12 (67%) Ultra-filtration plants installed are also dys-functional which need special attention to provide treated safe drinking water to people in villages.

First Priority will be given to villages where neither water supply schemes are present nor water filtration unit exist, then **second priority** will be villages where UF plants are non-functional, **third priority** villages will be those where water schemes are non-functional and so on. Maps of tehsils with functional and non-functional infrastructure is illustrated for priority areas of interventions.

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in MB Din rural area as per PHED water supply criteria.

Table 56: Water Supply Schemes Requirement (No's) in MBDin

New RWSS Requirements by 2030 in Rural MB Din				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1.5 cusecs	**13**	**>15000**	**69**	**53**
1 cusecs	84	>5000-15000	102	134
0.5 cusecs	128	2000-5000	38	128
0.5 cusecs combine clusters based schemes	183	10 - <2000	19	37
Total	**395**		**159**	**299**

Table 57: Water Treatment Units Requirement (No's) in MBDin

New UF water Filtration Units Requirements by 2030 in Rural MB Din				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	97	>5000	470,386	283
1000	91	2500-5000	162282	208
1000 (cluster based sahulat centre plants)	220	10-<2500	141,981	142
Total	**408**	**-**	**774,649**	**633**

8.2.4.2 Water Quality and treatment

Based on past secondary data analysis, 65 villages have been identified where TDS water quality parameters were exceeding standard limits and RO plants can be installed as per actual need. However, on past available secondary water quality data number of RO plants are proposed to be installed which can be considered and evaluated on actual basis.

Table 58: Proposed RO plants for water treatment in MBDin

Villages	Population	Demand	Capacity (L/hr)	No of RO Plants
16	238,800	119,400	2,000	64
8	28,440	14,220	1,000	20
41	34,380	17,190	1000 cluster	17
65	301,620	150,810	3,000	101

8.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. While mode of sanitation in rural MB Din was recorded as comprised of 80% Flush; and 18 % no toilet according to PSLM 2012-13. Open Defecation Free (ODF) in rural MB Din status was 30% according to MICS 2011.

8.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from CDO-PHED MB Din on rural sanitation system 2020 in MB Din is articulated in table below

Table 59: Sewerage and Drainage System in MB Din

Sr. No.	Item	Value
1	**Sewerage Coverage**	
(i)	Area	7.3%, 195 Km^2
(ii)	Population	11 %
(iii)	Approximate Length of Total sewers lines	180 Km
(iv)	Size (Diameter Rage)	9”inch - 36” inch
(v)	No. of Disposal Stations	03
2	**Drainage Coverage**	
(i)	Area	90%
(ii)	Population	90%
(iii)	Approximate open sewage drains	Main Drains 105 km Small Drains 255 km
3	**Effluent/Discharge**	
(i)	Total Effluent/Discharge	430 Cusec

4	**Pumping Arrangements**	
(i)	No of Pumping Stations	3 No's
(ii)	No of Pumps	6 No's
(iii)	Total Pumping Capacity	15 Cusec
5	**Treatment Arrangements**	
(i)	No of Waste water treatment Plant	--No's
6	**Connections**	
(i)	Total Connections	7500
(ii)	Domestic Connections	7500
(iii)	Commercial/Industrial Connections	----
7	**Recipient Body**	
(i)	Ultimate Discharge Points	Seepage Drains
8	Design Criteria	By Gravity + Pumping

8.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increased coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Create interest in community for cleanliness activities/choking of sewerage & drainage lines
- Complaint management system for sewerage and drainage services

8.4 Recommendations for WSS sector in Rural MB Din

Following short (0-3 years), medium (3-5 years) and Long (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of MB Din

8.4.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- In current fiscal year portfolio, 19 Sewerage and drainage schemes of 1060 Million PKR having on-going status in Rural MB Din are present which needs to be completed at first priority by allocation of remaining 1012 Million PKR.
- Similarly, two more rural water supply scheme of worth 235 Million PKR was approved in ADP which should be completed by allocation of remaining 231 Million
- Extension of water supply distribution network for enhanced coverage level especially in non-served area
- Implementation of sewerage and drainage schemes to facilitate sanitation services
- Ensure enhanced coverage of GIS based groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders
- Detailed estimation and feasibility study for development of schemes O&M SOPs and financial allocation from Government.

8.4.2 Medium Term (3-5 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Logistic support should be provided for regular follow up as well as sustainability of schemes
- Strengthen Community based Organizations (CBOs) through technical and financial support
- Ensure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas

- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports

8.4.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of MB Din
- Outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

8.4.4 Proposed Projects List (2020-30) for Rural WSS in MBDin

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 60: Project Digest (2020-2030) for Rural MB Din

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 24 Dys-functional rural water supply schemes in Rural areas of MBDin (5 in MBDin Tehsil; 7 in phalian Tehsil; and 12 in Malakwal Tehsil)	205.69	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Rehabilitation of 12 Dys-functional UF Plants in Rural areas of MBDin (10 in MBDin, 2 in Phalia Tehsil)	68.90	Short term	PHED	ADP
3	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 101 RO filter in 65 villages	319.60	Short term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP
4	Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring	5.00	Short term	Urban Unit +PHED	PPP

5	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Short term	Urban Unit +PHED	PPP
6	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
7	Installation of 283 new solar based UF plants of 2000 l/hr in 97 villages (each having population greater than 5000)	1,556.26	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
8	Installation of 142 new cluster based solar based UF plants of 1000 l/hr in 220 villages (each having population less than 2500)	1,106.33	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
9	Installation of 37 new cluster based rural water supply schemes, each having capacity of 0.5 cusec each in 183 villages (each village having population of <2000)	451.95	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
10	Construction of sewrage and drainage schemes in unserved villages in unserved area to improve coverage to 25% (population 335000)	6.40	Medium term	PHED	ADP
11	Installation of 208 new cluster based solar based UF plants of 1000 l/hr in 91 villages (each having population 2500-5000)	1,621	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
12	Installation of 53 new rural water supply schemes having capacity of 1.5 cusec each in 13 villages (each village of having population >15000)	1,367	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
13	Installation of 134 new rural water supply schemes having capacity of 1.0 cusec each in 84 villages (each	2,413	Long term	Punjab Aab e Pak Authority	CPEC

	village of having population >5000-15000)			(PAPA) /PHED	
14	Installation of 128 new rural water supply schemes, each having capacity of 0.5 cusec each in 128 villages (each village having population of 2500-5000)	1,894	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
15	Conduct feasibility study and Design and construction of wastewater treatment plant	6	Long term	PHED	CPEC
16	Construction of sewrage and drainage schemes in unserved villages in unserved area to improve coverage to 25% (population 335000)	7	Long term	PHED	ADP

*

8.4.5 Projects Digest for WSS in Rural Areas

Rehabilitation of Dys-Functional Rural Water Supply Schemes (Sr.No 1)

Category: Short Term (0-3 Years)

Scope:

The proposed project covers rehabilitation of 24 Dys-functional rural water supply schemes in MB Din, (5 in MBDin Tehsil; 7 in phalian Tehsil; and 12 in Malakwal Tehsil). (i) absence of electric connection due to non-payment of wapda dues; (ii) community conflict; (iii) transfer/machinery stolen; (iv) outlived system and (v) source failure. Mjority of schemes were installed before 2000.

Rehabilitation will cover the replacement of old damaged lines, tube wells, raising main and machinery and installation of chlorinator. Rehabilitation of these schemes will serve approximately 300,000 populations of 24 villages who are currently deprived of tap water. Implementation of project will enhance water supply coverage by 15% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby water source. The List of dys-functional schemes and mapped points of schemes are given.

Table 61: List of dys-Functional Schemes to be rehabilitated in MBDin

Sr. no	Scheme Name	Tehsil
1	Phalia	Water Supply Pahrianwali

2	Malakwal	Water Supply Gharh Qaim
3	Mandi Bahauddin	Water Supply Kot Baloch
4	Malakwal	Water Supply Haria Motor No. 2
5	Phalia	Water Supply Hellan
6	Phalia	Water Supply Baho Manga
7	Phalia	Water Supply Sandhanwala
8	Phalia	Water Supply Saida Sharif
9	Malakwal	Water Supply Miana Gondal Moh Masoodabad Motor No,2
10	Malakwal	Water Supply Miana Gondal Moh Masoodabad Motor No.1
11	Malakwal	Water Supply Pind Makko
12	Phalia	Water Supply Haslanwala
13	Phalia	Water Supply Charanwala
14	Malakwal	Water Supply Rukkan Motor No. 1
15	Malakwal	Water Supply Scheme Haria Motor No 1
16	Malakwal	Water Supply Gohar
17	Mandi Bahauddin	Water Supply Kuthiala Sheikhan
18	Mandi Bahauddin	Water Supply Mangat
19	Malakwal	Water Supply Miana Gondal Moh.Ahli Motor No 1
20	Mandi Bahauddin	Water Supply Rasool Lokri
21	Malakwal	Water Supply Miana Gondal Moh. Ahli Motor No 2
22	Malakwal	Water Supply Miana Gondal Moh Ahli Motor No.3
23	Malakwal	Water Supply Rukkan Motor No. 2
24	Mandi Bahauddin	Water Supply Chillianwala

Rehabilitation of 12 Dys-Functional Rural Water Filtration Units (Sr.No 2)

Category: Short Term (0-3 Years)

Scope:

It aims to provide clean drinking water facility based on minimum requirement set by World Health Organization, ensuring provision of potable water to rural households. The proposed project covers rehabilitation of 12 Dys-functional rural water treatment Ultrafiltration (UF) plants in MB Din, 10 in MBDin, 2 in Phalia Tehsil. These all UF treatment units, each having capacity of 4000 l/hr, were installed 2000-2009 which are currently dys-functional due to multiple reasons.

Rehabilitation will cover full assessment of treatment plant including replacement of UF membranes, screen filter, filter media (carbon filter, sand filter), repair of feed pump, maintenance/replacement of treated storage tank, meters, pumps, as per requirement, borehole test, repair of civil works, backwashing process, electricity source, water quality testing of source water and treated water. Rehabilitation of existing treatment plant schemes will provide treated drinking water to population of 12 villages. Implementation of project will enhance drinking water supply coverage by 04% to unserved population. The provision of treated water will not only protect from diseases but also will save the time to fetch water from farther treatment unit. The List of dys-functional UF plants and their maps are given.

Table 62: List of dys-Functional Filtration Plants to be rehabilitated in MBDin

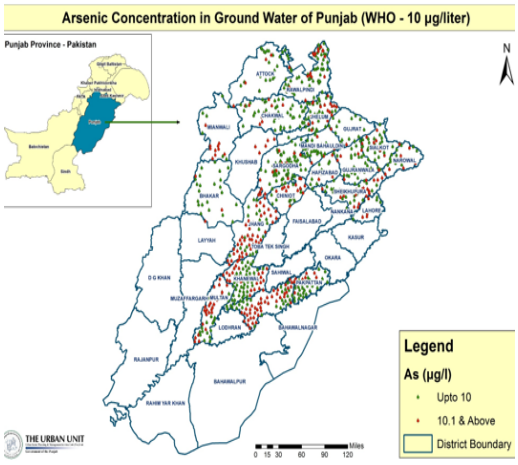
Sr. No.	Tehsil	Name of Water Filtration Plant
1	Mandi Bahauddin	Filtration Plant Chillianwala Station
2	Mandi Bahauddin	Filtration Plant Shaheedanwali No.1 (Graveyard)
3	Mandi Bahauddin	Filtration Plant Sohawa Jamlani
4	Mandi Bahauddin	Filtration Plant Kuthiala Sheikhan
5	Mandi Bahauddin	Filtration Plant Mojianwala

6	Mandi Bahauddin	Filtration Plant Sohawa Dilloana
7	Mandi Bahauddin	Filtration Plant Sohawa Bolani
8	Mandi Bahauddin	Filtration Plant Rakh Baloch
9	Mandi Bahauddin	Filtration Plant Shaheedanwali No. 2 (Dera Zafar wala)
10	Phalia	Filtration Plant Bhekho
11	Phalia	Filtration Plant Bherowal
12	Mandi Bahauddin	Filtration Plant Mangat (Dera Kasham Ka)

Groundwater quality testing coverage in identified hotspot villages and installation of proposed 101 RO plants in 65 villages (Sr. No 3)

Category: Short Term (0-3 Years)

Scope:



his projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas of MB Din so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator.

It is noted from secondary water quality analysis that 65 samples of TDS had value exceeding the maximum limit of 1000 ppm that can affect approx. 3 lac people of villages who are using the brackish water. It is proposed that water quality testing should be done in identified villages and install RO plants. The treatment unit will be constructed involving power source, testing of water source, pre-fabricated storage tanks, RO modules, Arsenic/nitrate filter tanks, backwashing process, taps, pumps and valves set up etc. From statistical analysis of safe water need, it is calculated that 64 RO units of 2000 l/hr will be required for 16 villages; 20 RO units of 1000 l/hr capacity in 8 villages and 17 cluster based RO units will be required for 41 villages. Total approximately 302000 people will be benefited from the availability of safe drinking water through installation of RO plants. Similarly, it is observed that 34 samples had nitrate contamination which can be removed through installation of nitrate removal membranes/media along with RO membranes.

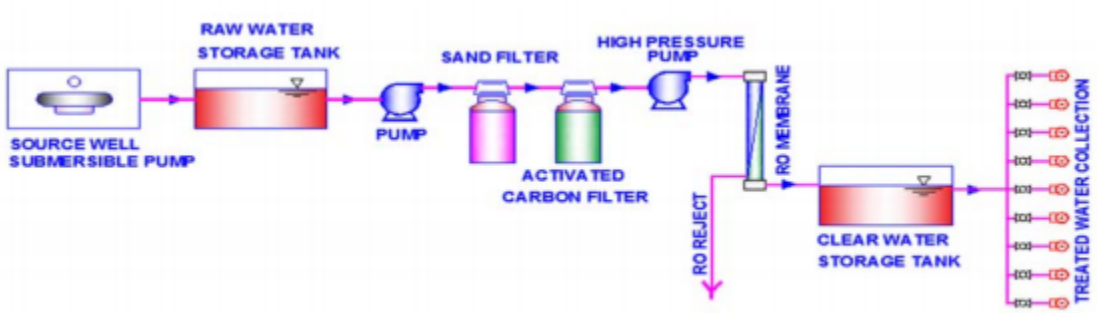


Table 63: Identified Villages for water contamination in MBDin

tehsil_ name	village_ name	TDS	tehsil_ name	village_ name	TDS	tehsil_ name	village_ name	TDS
Mandi Bhauddin	manghat	1400	Mandi Bhauddin	Dhok murad	1162	Phalia	Madhray karamdad.	1266
Mandi Bhauddin	manghat	1350	Malakwal	Gunian	1091	Phalia	Noor pur kalan	1578
Malakwal	Rukan	1200	Phalia	Choranwali	1178	Phalia	Haigerwala chota pind	1058
Malakwal	Rukan	1150	Phalia	Chak seda	1107	Phalia	Haigerwala chota pind	1024
Mandi Bhauddin	Sohawa bolani	1030	Phalia	Ransike	1120	Phalia	Dera Rehmatana	1350
Phalia	Pahrianwali kalan	1068	Phalia	Channi Mast	1232	Phalia	Dera Rehmatana	1202
Mandi Bhauddin	Bhakhi	1017	Phalia	Jhanda chauhana	1105	Phalia	Kamoki khurd	3947
Mandi Bhauddin	pindi bahauddin	1007	Phalia	Chak jevan Rasul pur	1071	Phalia	Basi khurd	1871
Mandi Bhauddin	Ainowal	1395	Malakwal	Chak 25	1050	Malakwal	Muhalla Sadiqia	1380
Mandi Bhauddin	Ainowal	1376	Phalia	Rajowa	1098	Phalia	Manzorabad	1261
Mandi Bhauddin	Kuthala syedan wala	1007	Mandi Bhauddin	Katowal	1152	Mandi Bhauddin	Dera Miyana	1169
Phalia	Lasori kalan	1053	Mandi Bhauddin	Chak no 15	1187	Malakwal	Muhalla Sadiqia	1160
Mandi Bhauddin	Jholana	1040	Phalia	Lohatiba	1374	Phalia	Dera Gondlan	1024
Mandi Bhauddin	chorand	1024	Malakwal	Chak 27	1290	Phalia	Noor Pur	1467
Malakwal	chak 27	1893	Malakwal	Chak 27	1120	Malakwal	27 chak lokri	1290
Phalia	Lala pindi	1200	Malakwal	Lokri Musalian	1080	Mandi Bhauddin	kharl muhabbatpur	1035
Malakwal	Chak 23	3700	Phalia	Chak Mian	1007	Malakwal	Khai colony	1460
Phalia	Chak shehbaz	1380	Phalia	Sahnpall Khurd	2037	Malakwal	Khai colony	1360
Phalia	Madhray	1125	Malakwal	Wariyat colony	1150	Malakwal	Dera Anayat	1450
Phalia	Madhray	1009	Mandi Bhauddin	chaniRaheem. shah	1126	Malakwal	Dera Anayat	1340
Phalia	Sainthal	1188	Phalia	Kot sattar sattar	1027	Malakwal	Waryat Soling	1140
Malakwal	Dera M Aslam Gondal	1350	Malakwal	Dera M Aslam Gondal	1300			

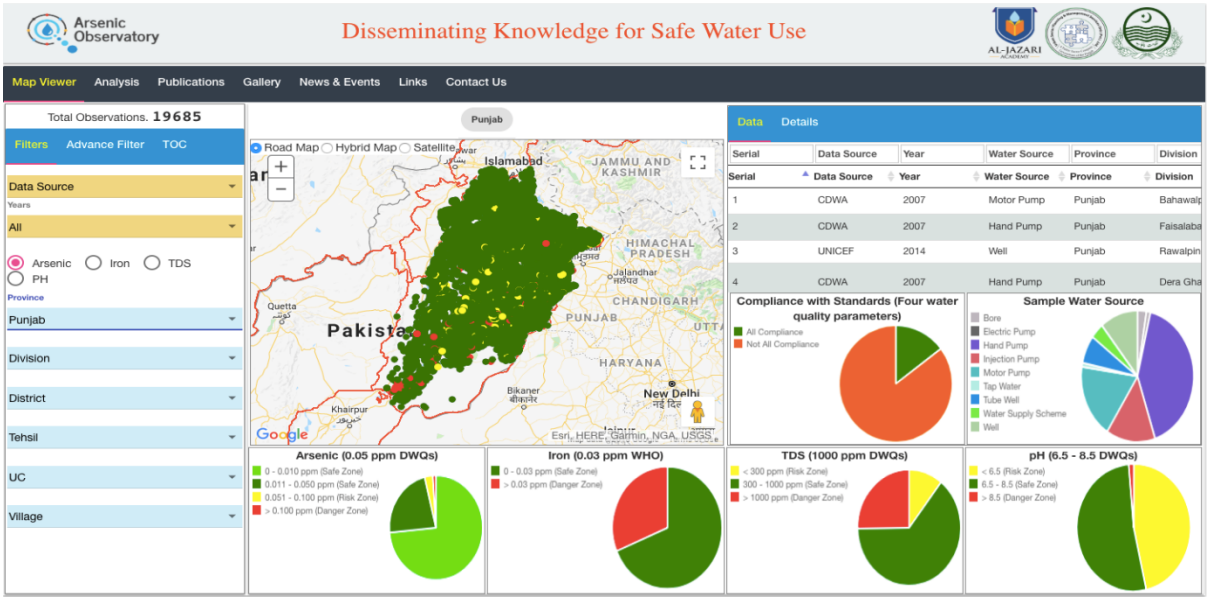
Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring (Sr. No 4)

Category: Short Term (0-3 Years)

Scope:



The projects aims to establish GIS based water quality monitoring dashboard system for Screening of the real hotspot areas based on accurate sampling, testing and data analysis and taking right decision of installation of type of water treatment units. Interface of dashboard will be developed for water quality live monitoring. Furthermore, Mobile application will be developed for water quality sample data collection and directly linked with MIS based monitoring dashboard. Secondary water quality data available will also be uploaded on dashboard. A sampling and a testing regime for water quality parameters across the ground water sources in rural areas will be developed so that water quality status of whole district/region is accurately reported/placed at one place and true hotspot areas will be marked and pointed geo spatially. Water quality tests will be carried out either in PHED laboratory or in mobile lab and respective results will be uploaded on live portal. The dashboard will give real time analysis of water quality situation and give directions where interventions are needed. The web portal results will also be accessible easily on mobile app for users to check water quality levels in their waters. Dedicated staff personnel will be deputed for monitoring of dashboard and data management and analysis. Automatic Monthly Progress reports of water quality will be generated and monitored.

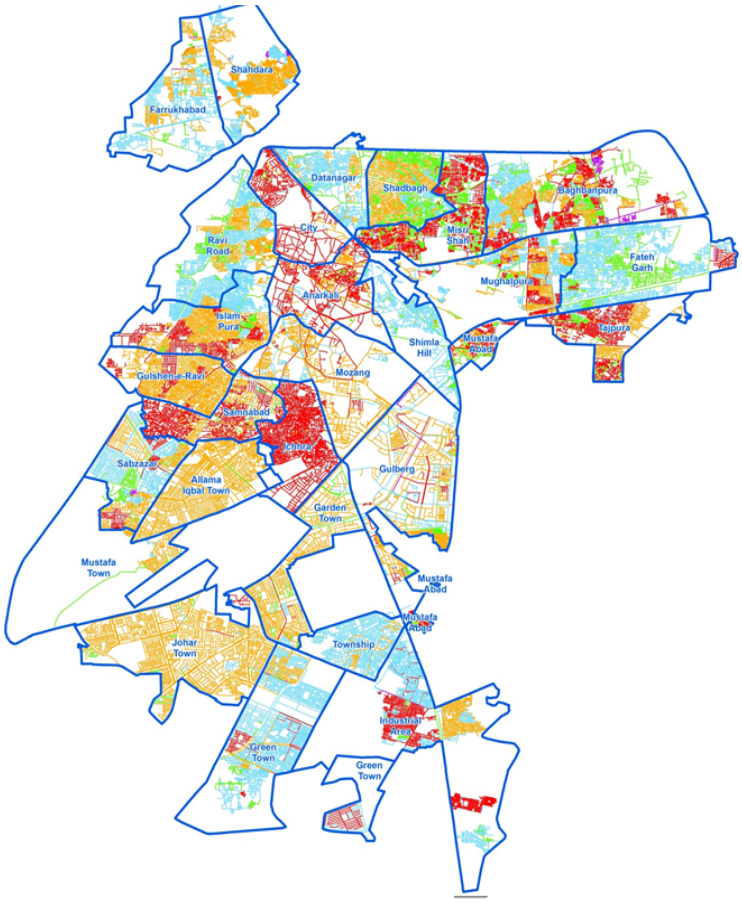


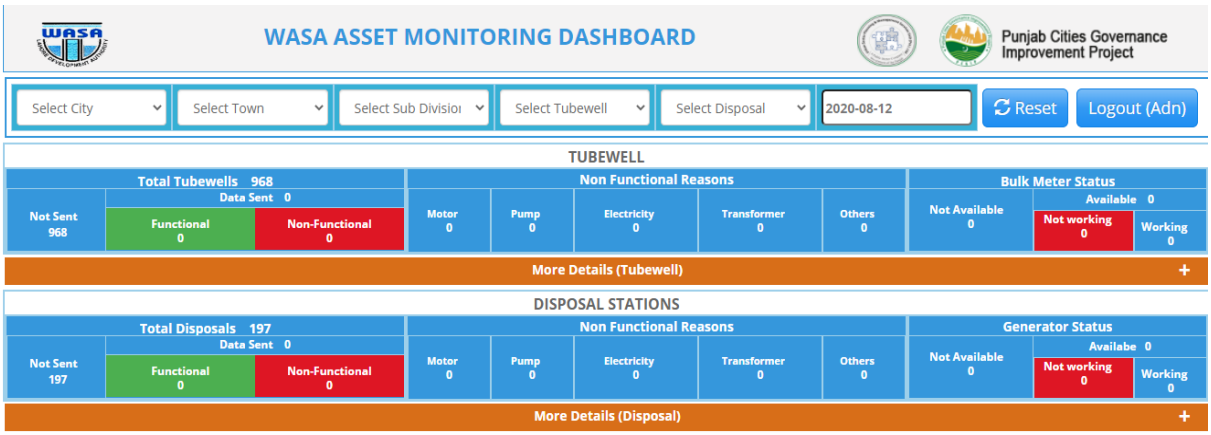
Implementation of WSS Asset Mapping and Asset Management Information System (Sr. No 5)

Category: Short Term (0-3 Years)

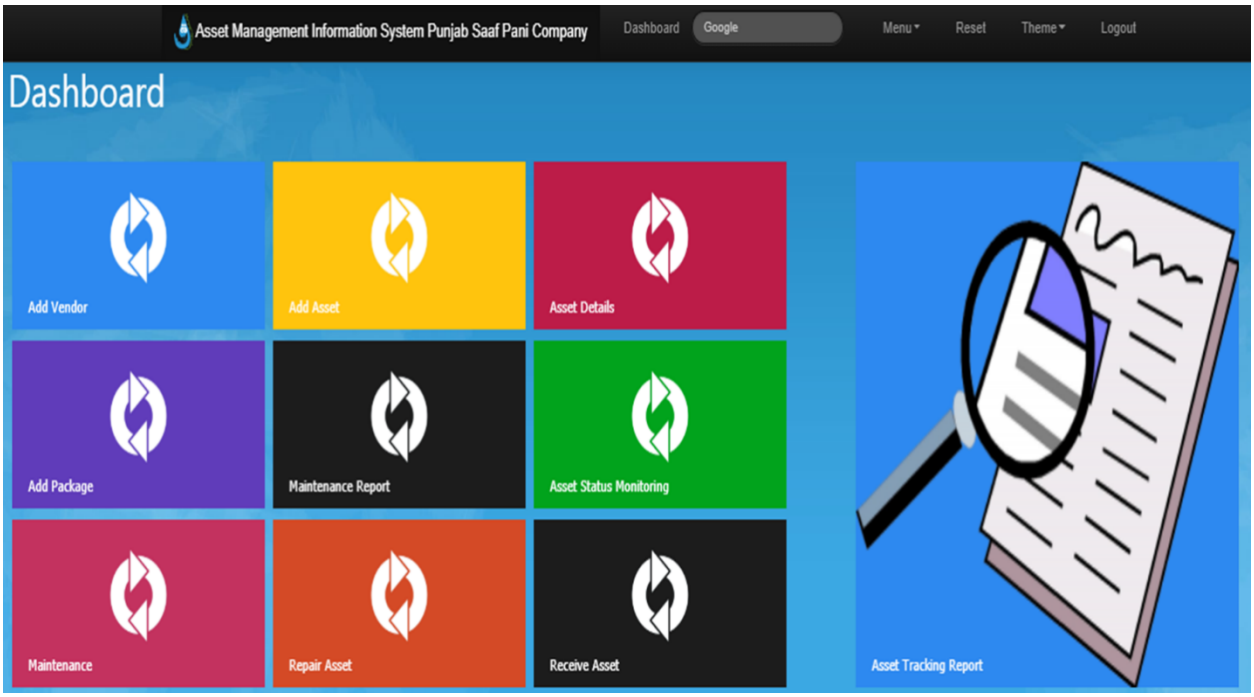
Scope:

Its objective is to manage and monitor all water and sanitation infrastructure present in rural areas. It will help in development of database, assessment of infrastructure condition, and taking right decision for investment in upgradation or rehabilitation of structure. GIS based dashboard and data collection mobile app will be developed. Survey will be carried out to map all water and sanitation (WSS) assets along with their condition through mobile application. Dashboard will be developed backing satellite imagery based population and rural settlements with overlaying of WSS infrastructure. Module will lead to decision support system to identify gaps, traps leakages and identify need for priority interventions. The system will also produce consolidated reports based on the attribute data put into the GIS based asset inventory.





The reports will help to make decisions regarding replacement of assets, their timely repair and maintenance and will provide a better control and monitoring mechanism. This support system should link engineers, planners and field support staff to middle management.



Gujranwala Regional Development Plan 2030



District Hafizabad

RURAL

9 Section-I Rural District Hafizabad Profile

9.1 Location Boundary

Hafiz Abad is one of the district among six districts of Gujranwala Division of Punjab. It is situated in central Punjab and is known for its rice industry on the agricultural side and Rice industry on the industrial side and has top 5 exporters of rice from Pakistan. Rural area of Hafizabad district comprises of four tehsils namely (i) Hafizabad tehsil, and (ii) Pindi-Bhattian tehsil. Map of rural areas settlements at tehsils level is shown in figure 96.

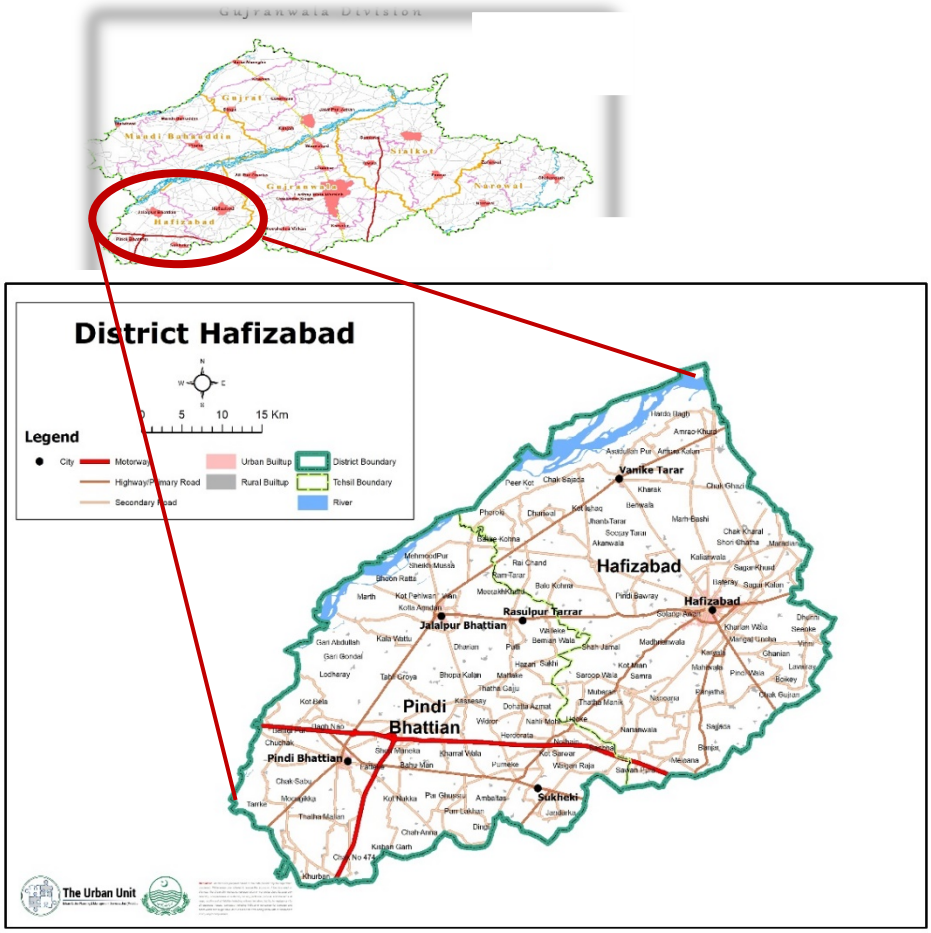


Figure 96: Boundary of RuralHafizabad

9.1.1 Geography

The river Chenab forms the northern and northwestern boundary of the district. The district is located at a longitude between 73 0 -12 and 73 0 -46 East and at a latitude between 31 0 -45 and 32 0 -20 North. The district spread over an area of 2367 square kilometer. It is surrounded by Gujranwala to the East, Jhang, Sargodha and river Chenab to the West, Faisalabad to the South, Mandi Baha-ud-Din to the North West, and district Sheikhupra to the South East. Hafizabad is situated at a distance of 303 km from the Federal Capital, Islamabad, and is 109 km away from the Provincial Capital, Lahore. The whole district is a flat alluvial plain divided between low lying alluvial bands and an uplands area. The district is irrigated largely through tube wells as well as to a lesser degree by the lower Chenab Canal.

9.1.2 Demography

According to 2017 census Hafizabad District's population is 1.156 million and 65% resides in rural area. Rural population was 754,106 million in 2017 with equal 51:49 male to female ratio. Rural population and households present in 401 villages of Hafizabad district as per census 2017 and projected population for next 10 years by considering population growth rate of 1.16 is mentioned in table below.

Table 64: Demography of Rural Hafizabad

		Population (2017)	HH (2017)	Estimated Population (2030)
Hafizabad District	**Rural**	**754,106**	**114,058**	**876,087**
Hafizabad Tehsil	Rural	399,780	59,382	464,447
Pindi Bhattian Tehsil	Rural	354,326	54,676	411,640

9.2 Section-2 Rural Water Supply System

There are two reliable sources of water available, one is Canal and other is ground water. Mostly canal water is being used for crops irrigation, whereas people are getting ground water for drinking purpose and houses purpose. Main and miner canals are passing through the tehsil areas and these are main source of recharge of groundwater.

Groundwater present in Hafizabad district, currently used as source of drinking water majorly comprises of sweet water zone. Secondary analysis of groundwater quality in 2016 revealed 16% TDS contamination, while arsenic, nitrate and fluoride contamination was found out at minimum value in some areas. A study results for microbiological and physiochemical assessment of groundwater quality of Punjab in 2014 showed the absence of bacteriological and heavy metal contamination in groundwater of Hafizabad.

Improved drinking water in rural Hafizabad with contribution of 3 % tap water; 45 % hand pump and 50 % motor pump was present as per PSLM 2012-13 survey which tell the high usage of motor pump and least access of tap water.

Major information acquired from Xen PHED Hafizabad on current rural water supply system 2020 in Hafizabad is articulated in table 66.

Table 65: Rural Water Supply System in Hafizabad

Sr. No.	Item	Value
1	**Coverage**	
(i)	Water supply coverage area (Population wise)	11.7% of Rural population of district Hafizabad
(ii)	Population	82951 No's of rural area
2	**Ground Water (tube wells based system)**	
(i)	No of Tube Wells	Total No. 12 Functional 4 Non-Functional 8
(ii)	Capacity of Functional Tube Wells	4 cusec total
(iii)	No of Bulk water meters	0 No's
(iv)	No of Water filter plants	N/A
(v)	Type of Water treatment technology installed	N/A
(vi)	Total water Supply	2500 G/day
(vii)	Duration (Supply Hours)	6 Hrs.
(viii)	Operate by:	CBO
(ix)	Maintained by:	CBO
3	**Connections**	
(i)	Domestic Connections	1600 No's
(ii)	Metered Connections	0 No's
(iii)	Commercial Connections	200 No's
(iv)	Industrial Connections	0 No's
(v)	Hypo chlorinator	2 No's
4	**Water Consumption**	
(i)	Per Capita water Consumption 50gpcd	10-48 lpcd
(ii)	Total Water Consumption	5.16 MGD

(iii)	No of Overhead Reservoirs	Total 5
		Functional 2
		Non-Functional 3
(iv)	Capacity of Overhead Reservoirs	75000 Gallons
5	**Water Distribution Network**	
(i)	Type of Distribution pipe network	3" to 16" PVC / AC
(ii)	Approximate pipe length	37 km
6	**Others**	
(i)	Is there any MIS system for assets management?	No
(ii)	Is there any MIS system for water quality monitoring?	No
(iii)	Is any water quality lab available?	Yes
	In case of yes, please provide their number and location with coordinates *03214816773, 32^{O}426.78 N, 73^{O} 4045.37E*	01 No's

9.2.1 Water Demand

Water is used not only for drinking but also for daily activities like washing, showering, cooking etc. Although water supply is being provided via distribution lines with little coverage in rural areas. PHED' design criteria is used for calculation of village level current actual demand based on existing population derived from census 2017. Village level' water demand is calculated because of scattered settlements present at farthest distance from each other. While 3 lpcd is taken for drinking water requirement as per WHO guidelines which can be supplied via filtration units. 6 hours minimum is taken as number of water supply hours as per PHED criteria standard.

Table 66: Water Demand in Hafizabad

Population	Water demand (gpcd)	Population	Water demand (gpcd)	Population	Water demand (gpcd)
Up to 5000	10	5,001-10,000	15	10,001-20,000	20

	Over all Water requirement G/day		Drinking Water requirement G/day	
	2020	**2030**	**2020**	**2030**
Total Rural	**48,435,390**	**55,431,613**	**2,474,712**	**2,777,236**
Hafizabad Tehsil	25,832,208	29,599,405	1,311,938	1,472,317
Pindi Bhattian Tehsil	22,603,182	25,832,208	1,162,774	1,304,919

9.2.2 Existing Water Supply Infrastructure

The drinking water is provided to the rural settlements through rural water supply schemes installed by PHED. Hence main source of drinking water in Hafizabad tehsils is groundwater. Total only 03 Rural water supply schemes were executed by PHED which are currently used for provision of water supply. It is told by JRO Hafizabad that from 3 rural schemes, 2 have been recently shifted to MC/ZC Urban Area while one rural scheme present in village of Kot Hassan Khan is operated and maintained by CBO. Furthermore, it is pertinent to mention that no rural water filtration plant (RWFP) is present in rural area of Hafizabad.

9.2.2.1 Tube wells/Schemes

Tube wells or water supply schemes are present for provision of drinking water from groundwater. According to PHED officials, currently 4 tube wells are in working state from total installed of 10 tube wells. Distribution of RWSS in tehsils of Hafizabad is given below

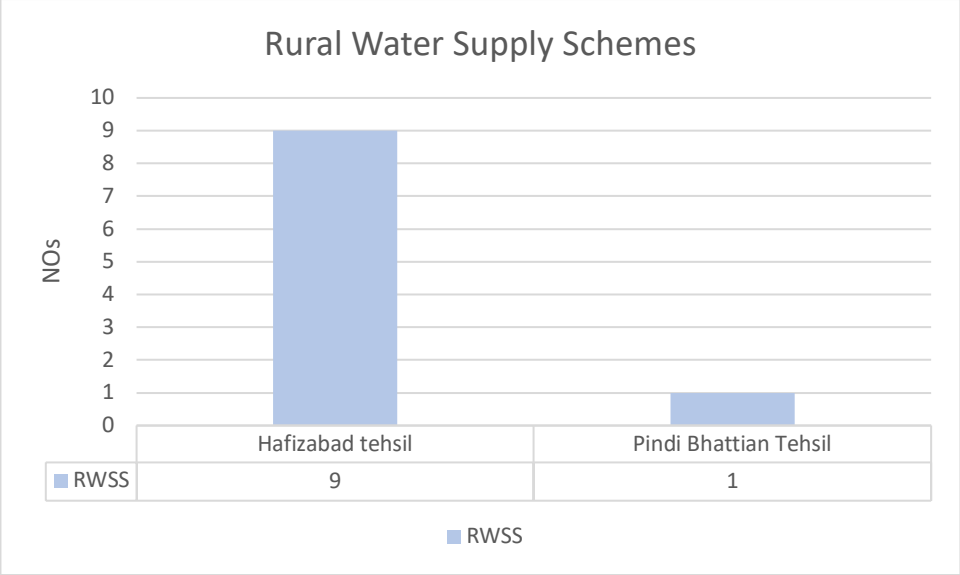


Figure 97: Total Rural Water Supply Schemes (RWSS) in Hafizabad

All 10 RWSS are executed by PHED in tehsils of Hafizabad. Currently, only 30% water schemes are in working condition while 70% water supply schemes are non-functional.

Furthermore, working condition of RWSS in % age in tehsils of Hafizabad is illustrated through graph. It is observed that large number of water supply schemes are non-functional in Hafizabad tehsil which need concern and attention towards its rehabilitation and to ensure water coverage to rural population.

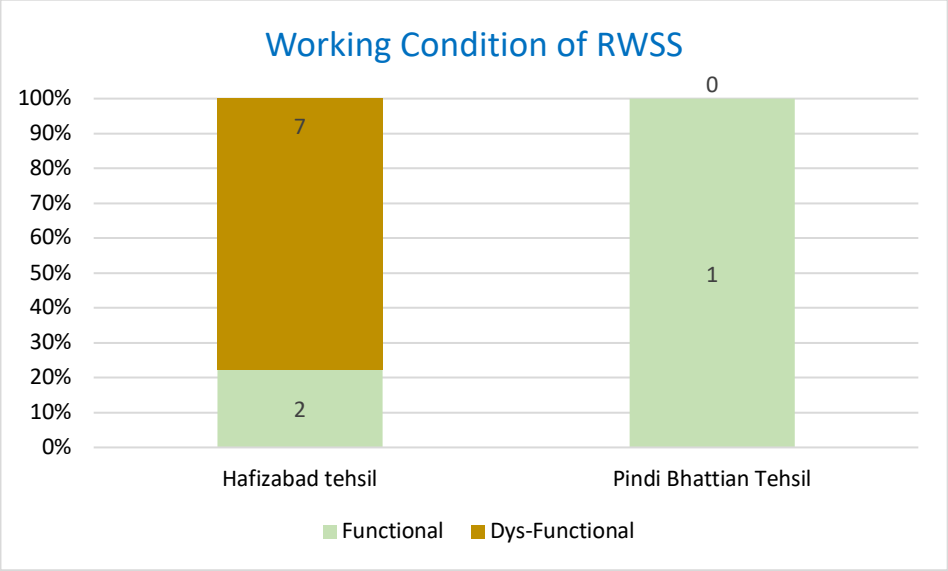


Figure 98: Working Condition of Water Supply Schemes in Hafizabad

It is noted that all functional as well as non-functional water schemes are present in sweet water zone as per data provided by PHED. Majorly schemes are dysfunctional since 1997 due to multiple reasons. It is told that reason of non-functionality of schemes is that there exists conflict with community to run and operate schemes. Reasons of dys-functionality of schemes are damage of machinery and raising main and non-payment of WAPDA Dues. Spatial location of functional and dys-functional water supply schemes installed in tehsils of Hafizabad is presented in maps

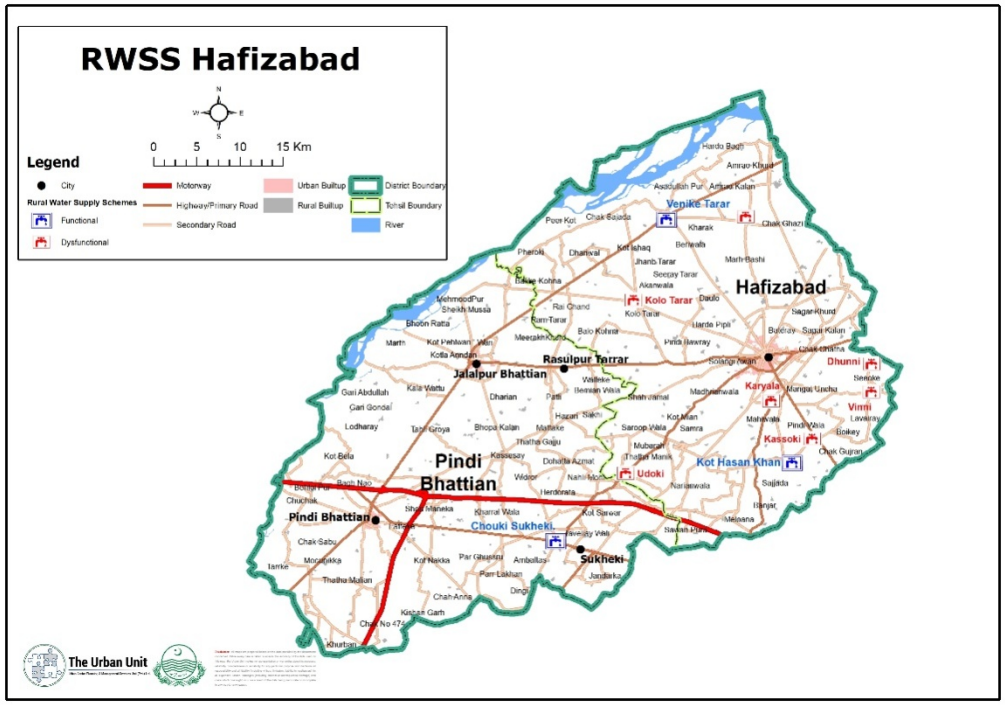


Figure 99: Mapping of Functional & Dys-Functional Water Schemes in Hafizabad Tehsils

9.2.2.2 OHRs

There are 5 Overhead Reservoirs are present among which 02 are functional of 75,000 Gallons capacity and 03 are non-functional.

9.2.2.3 Treatment Units

There is currently no treatment plant for provision of safe drinking water to rural inhabitants.

9.2.3 Water Quality Situational Analysis

One Water Quality lab is present in Hafizabad on Colo Road where random drinking water quality parameters are checked and monitored on requirement. While it is told that no periodic water quality monitoring is carried out for rural ground water. According to PHED UNICEF 2011-12 data, 55% villages have chemically fit drinking water while 80% samples were bacteriologically non-contaminated which indicated concern and need of treatment (PHED UNICEF 2011-12)

9.2.3.1 Primary Water Quality Analysis

JRO PHED provided water quality data of 4 samples tested during Monitoring Cycle-II launched by PMU cell at chief office Lahore. It was told that there is no fresh water quality analyses of Tube Wells or filtration plants working in the district during last 3 to 4 months. According to that provided data, physical, chemical and biological parameters results were quoted as safe as were in permissible limits.

9.2.3.2 Secondary Water Quality Analysis

Secondary water quality data carried out by consultants in Punjab rural water supply program in 2015-2016 also considered and evaluated for groundwater quality assessment. On basis of secondary old data water quality chemical contamination, it is estimated that 3,50,000 population of rural population may be at risk due to high TDS value. Highest percentage of water contamination are observed for TDS.

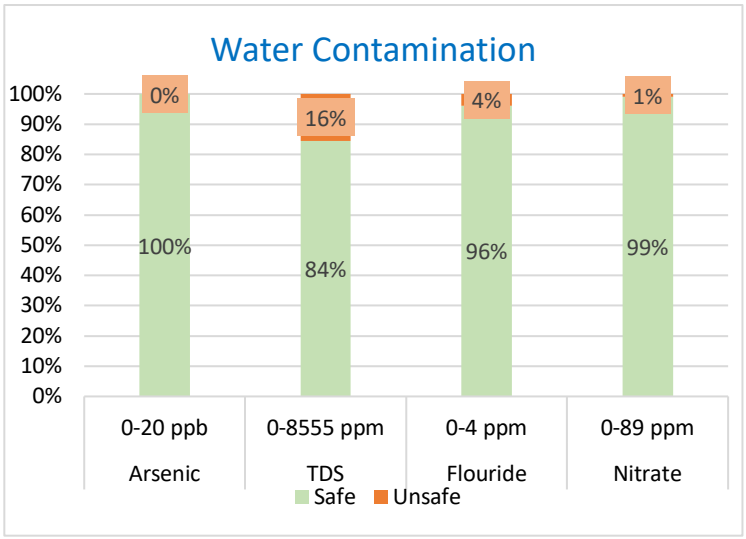


Figure 100: Graphical representation of Water Quality Contaminationin hafizabad

Samples taken from 0-856 ft of groundwater were tested and parameters analysis result against NEQs is expressed in table. Overall, among all four parameters, only arsenic is somehow safe in area as just 4 samples had been found exceeding NEQs limit. While presence of remaining TDS, fluoride and nitrate contamination is of concern and point out the need for installation of Reverse osmosis and other contaminant removal membranes on actual water quality re-confirmation.

Table 67: Secondary water quality results in Rural Hafizabad

Arsenic 0-20 ppb		TDS 0-8555 ppm		Fluoride 0-4 ppm		Nitrate 0-88 ppm	
No of Samples							
Total	203	**Total**	786	**Total**	203	**Total**	203
0-10 ppb	200	**0-1000 ppm**	664	**0-1.5 ppm**	195	**0-50**	201
11--50 ppb	3	**1000-2000 ppm**	112	**>1.5 ppm**	8	**>50**	2
>50 ppb	0	**>2000 ppm**	10				

Spatially mapped secondary water quality data is drawn and illustrated in figure 101-104

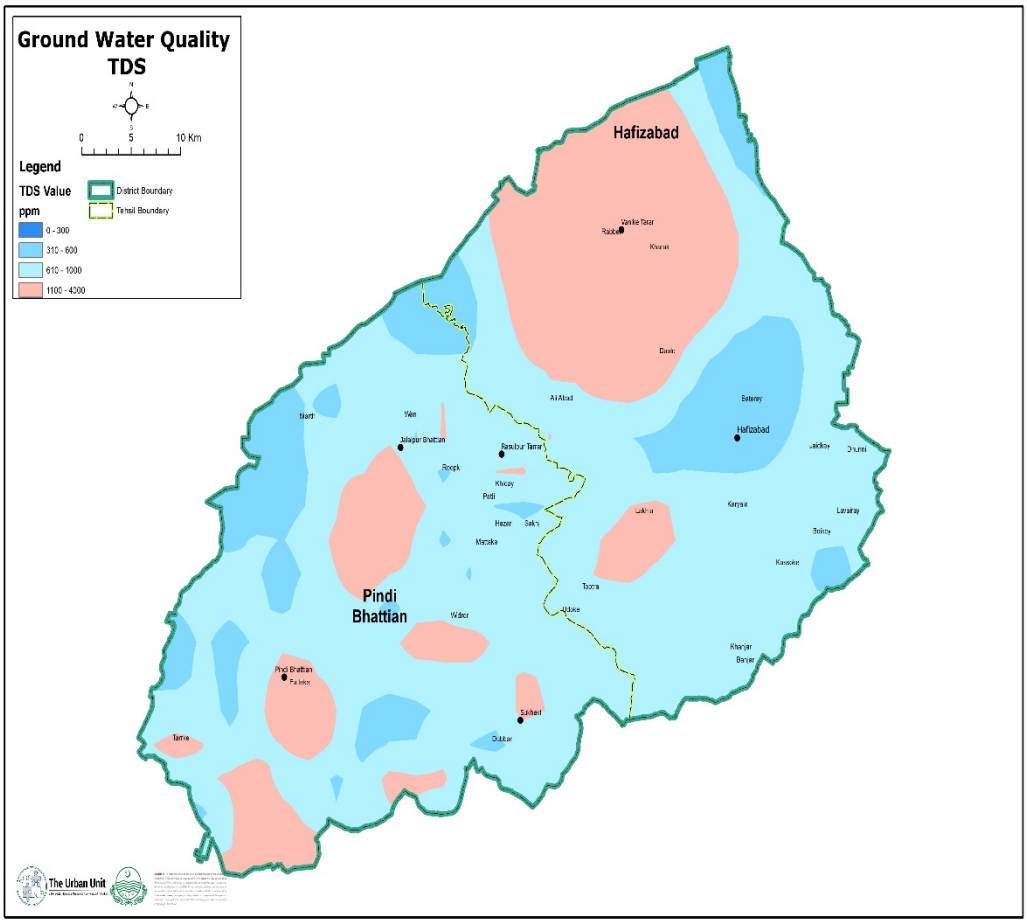


Figure 101: Mapping TDS Contamination in Rural Hafizabad

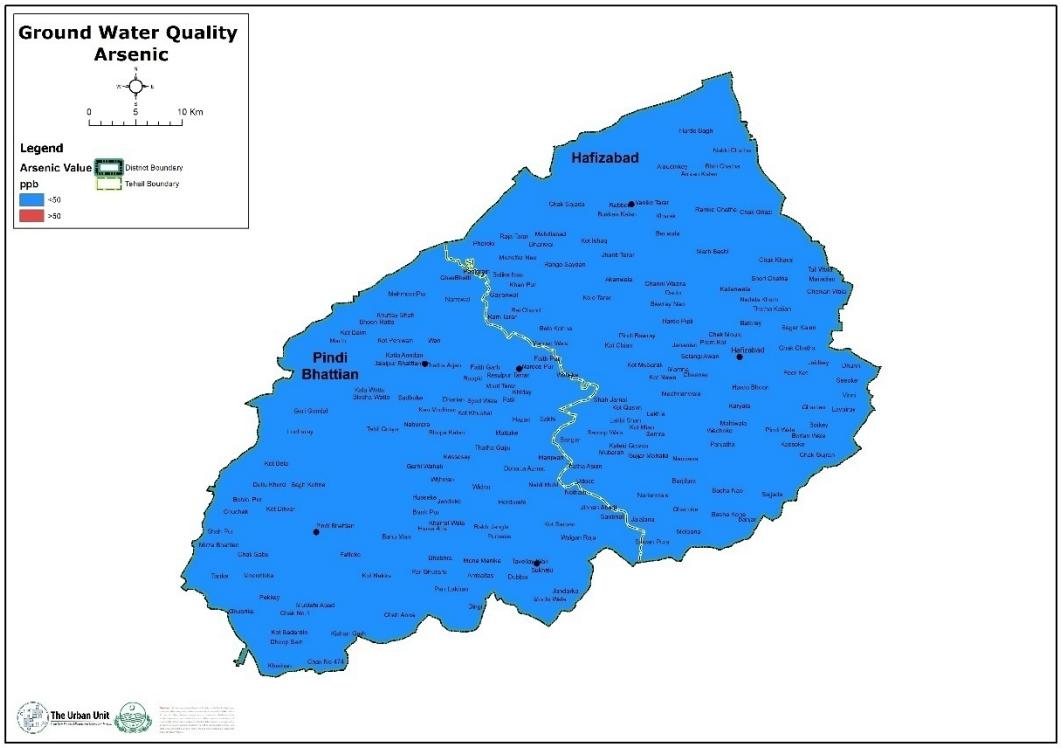


Figure 102: Mapping Arsenic Contamination in Rural Hafizabad

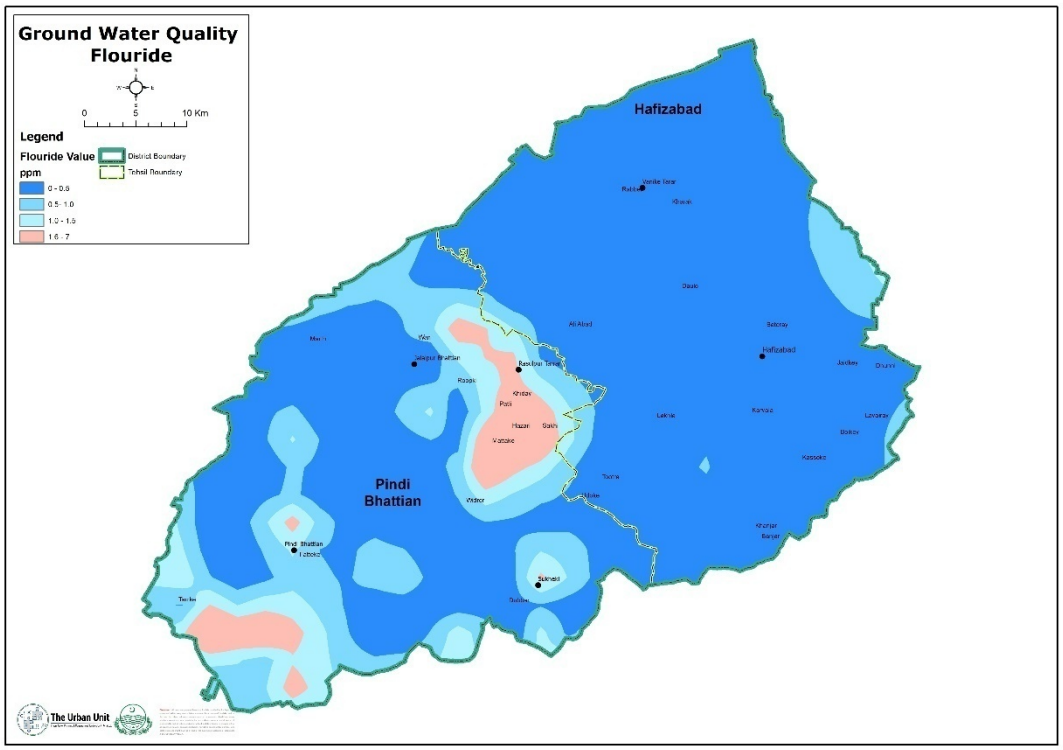


Figure 103: Mapping Fluoride Contamination in Rural Hafizabad

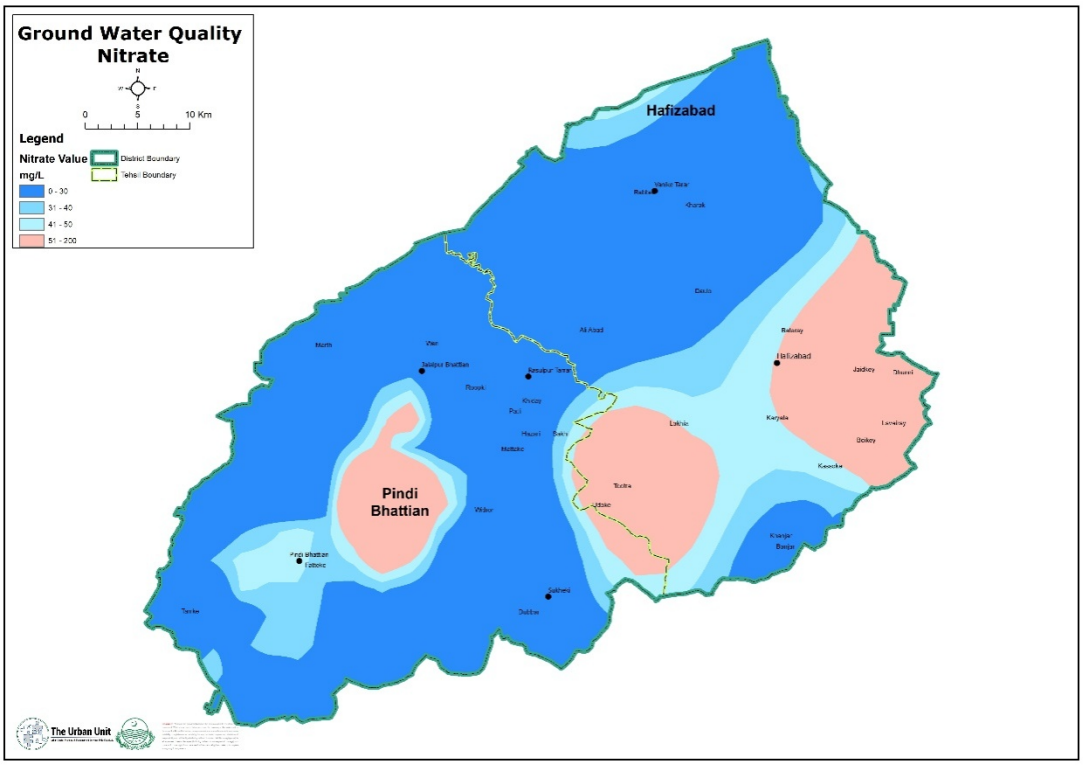


Figure 104: Mapping Nitrate Contamination in Rural Hafizabad

9.2.4 Service Delivery Challenges

Currently there are many challenges of coverage, infrastructure and management in provision of sufficient required water supply service in rural areas of Hafizabad

Water Supply Coverage

- 3% served Population via tap water
- No water treatment unit is present
- 70% (7) water supply schemes are dys-functional
- 3 OHRs are dys-functional

Water Quality

- 16% TDS contamination
- 04% Flouride Contamination
- 1% nitrate contamination

others

- Lack of funds to pay electricty WAPDA Bills
- Poor & weak water qulaity testing regime
- Old age Infrastructure
- No MIS based Water Quality Monitoring
- No Asset Management System
- No Master Plan
- No trainings/Capacity Building of staff

Figure 105: Service Delivery Challenges in Hafizabad

9.2.5 Gap Assessment & Future Requirements

As per data availability and quick assessment of current infrastructure, water quality and management capacity to provide safe drinking water supply to people of rural areas in Hafizabad district to meet SDG 6 target by 2030, some solutions and interventions are being proposed. Steps to improve service delivery level and hence improved health and living standard of residents of rural Hafizabad are being proposed in short (0-3 years), medium (3-5 years) and long terms (5-10 years) as per requirements, needs and priority.

9.2.5.1 Infrastructure Requirements Assessment

Currently only 23,244 residents are being facilitated with water supply means only 03 % is served while remaining 97% rural population is still unserved with tap water available at premises. Rural water supply schemes are present only in 3 villages out of 400 in rural areas of Hafizabad district. There are only 1600 water connections present. Furthermore, no water filtration unit is being installed which need special attention to provide treated safe drinking water to people in villages. All villages are on priority to provide safe drinking water to the residents of villages.

To meet SDG 6 target, safe drinking water need to be provided to 100% population by 2030. In this regard, calculation is being carried out based on water supply requirements by 2030 in Hafizabad rural area as per PHED water supply criteria.

Table 68: Water Supply Schemes Requirement (No's) in Hafizabad

New RWSS Requirements by 2030 in Rural Hafizabad				
Scheme Capacity	**No of Villages**	**Population range**	**Demand (cusecs)**	**TWs Required (No's)**
1.5 cusecs	5	>15000	16	13
1 cusecs	31	>5000-15000	35	48
0.5 cusecs	111	2000-5000	30	111
0.5 cusecs combine clusters based schemes	254	10 - <2000	21	42
Total	**401**		**102**	**214**

Table 69: Water Treatment Units Requirement (No's) in Hafizabad

New UF water Filtration Units Requirements by 2030 in Rural Hafizabad				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
2000	36	>5000	162,082	97

New UF water Filtration Units Requirements by 2030 in Rural Hafizabad				
Plant Capacity (L/hr)	**No of Villages**	**Population range**	**Demand (L/hr)**	**FPs Required (No's)**
1000	67	2500-5000	113146	146
1000 (cluster based sahulat centre plants)	297	10 -<2500	162,814	163
Total	**400**	**-**	**438,042**	**406**

9.2.5.2 Water Quality and treatment

Based on past secondary data analysis, 122 villages have been identified where TDS water quality parameters were exceeding standard limits RO plants can be installed on actual assessment. However, on past available secondary water quality data number of RO plants are proposed to be installed which can be considered and evaluated on actual basis.

Table 70: Proposed RO plants for water treatmentin Hafizabad

Villages	Population	Demand	Capacity (L/hr)	N of RO Plants
14	184,100	92,050	2,000	46
18	64,610	32,305	1,000	32
90	101,836	50,918	1000 cluster	51
122	**350,546**	**175,273**	**3,000**	**129**

9.3 Section 3- Sewerage System

According to PSLM 2018-19, 49% and 42% of rural Punjab population has open drains system and no sewerage system. It is noted that 75% people in rural Hafizabad had 75% flush facility and 25% with no toilet according to PSLM 2012-13 survey results. Open Defecation Free (ODF) in rural Hafizabad status was 35% according to MICS 2011.

9.3.1 Existing Sewerage and Drainage (S&D) System Profile

Major information acquired from Xen-PHED Hafizabad on rural sanitation system 2020 in Hafizabad is articulated in table below

Table 71: Sewerage and Drainage System in Hafizabad

1	**Sewerage Coverage**	
(i)	Area	129,573 Acre
(ii)	Population (Design)	188015 persons
(iii)	Approximate Length of Total sewers lines	9 Km
(iv)	Size (Diameter Rage)	12inch - 60 inch

(v)	No. of Disposal Stations	1 No.
2	**Pumping Arrangements**	
(i)	No of Pumping Stations	1 No's
(ii)	No of Pumps	6 No's
(iii)	Total Pumping Capacity	45 Cusec
3	**Treatment Arrangements**	
(i)	No of Waste water treatment Plant	N.A
(iv)	Any approved Sewerage master plan for the city?	No
4	**Connections**	
(i)	Total Connections (Domestic)	600
5	Is there any sanitation plan developed, if so please provide detail? • Sewerage Scheme Pindi Bhattian City • Upgraded Sewerage Drainage scheme Hafizabad City • Upgraded Sewerage Drainage scheme Jalalpur Bhattian City • Sewerage Scheme Sukheki Mandi	
6	Is there any sanitation plan developed, if so please provide detail? No	
7	Please provide detail, if there is any outsourced sanitation services No	
8	Is there any Union for Sanitation services if so please provide detail? No	

9.3.2 Key Interventions

Some of the probable key priority requirements in sewerage and drainage domain in rural areas are jotted down.

- Increased coverage of sanitation
- Provision of improved sanitation services
- Rehabilitation of drains
- Construction of sewerage schemes
- Priority and need based assessment of sewerage requirements
- Design and implementation of waste water treatment plant
- Complaint management system for sewerage and drainage services

9.3.3 WSS Interventions Proposed for Rural Hafizabad

Following interventions are proposed based on current situation assessment and future requirements by 2030 in rural areas of Hafizabad.

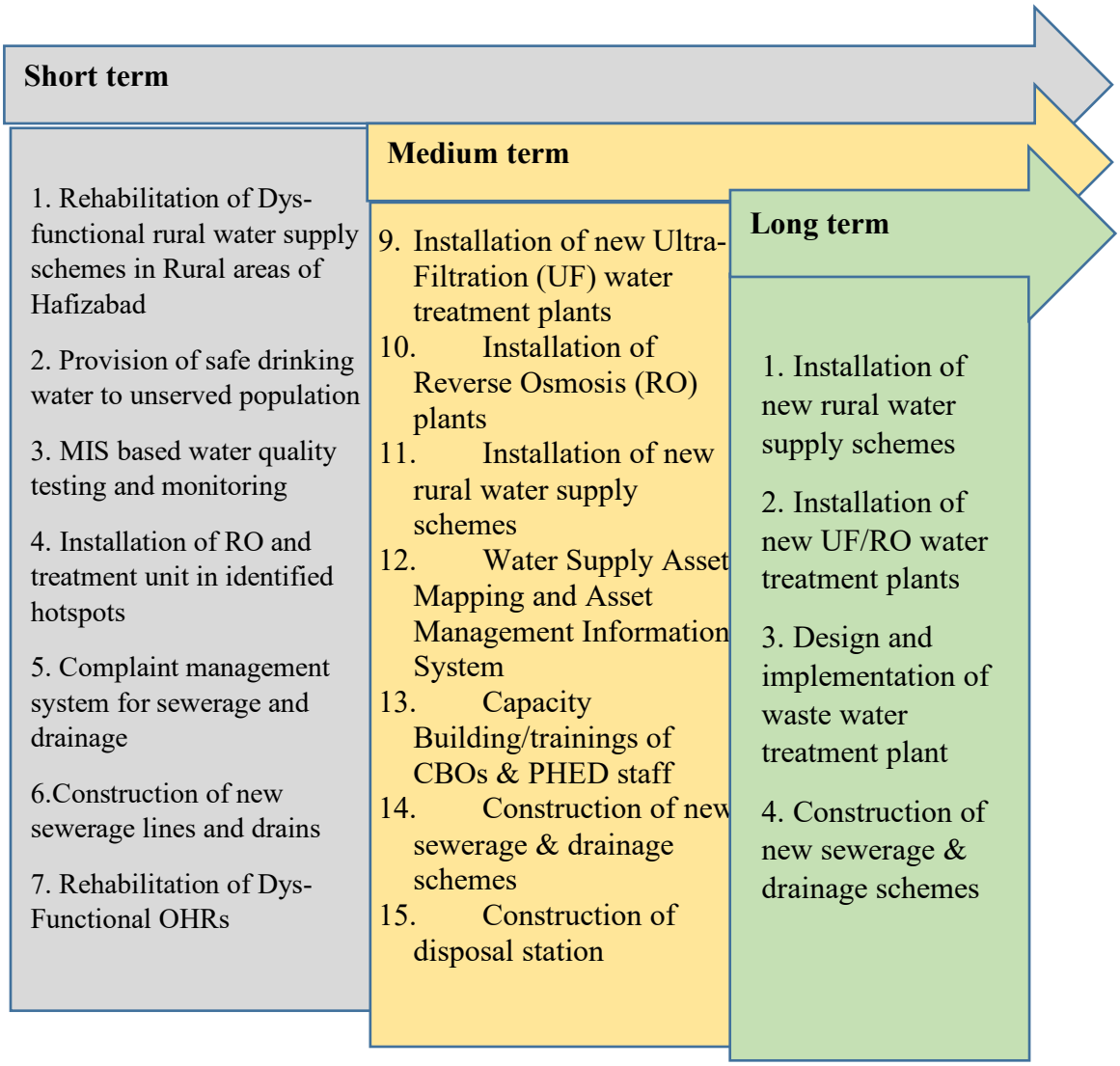


Figure 106: Proposed Interventions for WSS Hafizabad

9.4 Recommendations for WSS sector in Rural Hafizabad

Following short (0-3 years), medium (3-5 years) and Long (5-10 years) recommendations are proposed for Water and Sanitation sector in rural area of Hafizabad

9.4.1 Short Term (0-3 years)

- Investment in rehabilitation of existing infrastructure should be highly prioritized
- In current fiscal year portfolio, 14 Sewerage and drainage schemes of 586 Million PKR having on-going status in Rural Hafizabad are present which needs to be completed at first priority by allocation of remaining 543 Million PKR.
- Similarly, for rural water supply improvements, 3 schemes were approved of worth PKR 99 Million which should be completed by allocation of remaining 87 Million
- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Ensure enhanced coverage of groundwater quality testing in remote areas/settlements through mobile water quality lab
- Implementation of proper MIS based asset management information system for rural infrastructure and system
- Develop and implement action plans for WSS services
- Allocation of funds for proposed projects/interventions on priority and need basis
- Monitoring and evaluation (M&E) framework to be developed for improvement targets with baseline assessment data
- Involve community in design and implementation of projects for ownership
- Initiate MIS based integrated water quality monitoring system for decision making and required investment
- Capacity building of local community and local stakeholders

9.4.2 Medium Term (3-5 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Strengthening PHED /CDU enough that they can implement their bylaws /MOU/water act in the field of water supply scheme.
- Logistic support should be provided for regular follow up as well as sustainability of schemes
- Strengthen Community based Organizations (CBOs) through technical and financial support
- Ensure the provision of sufficient technical and financial support to CBOs for completed schemes
- Initiate Private Operator model for water filtration plants
- Devise revenue generation strategy in longer terms to seek financial support from residents and local political representatives in the rural areas

- Launch effective Monitoring and evaluation (M&E) system or arrangements for accountability, performance, complaints, service levels and complaints monitoring and progress reports

9.4.3 Long Term (5-10 years)

- Extension of water supply distribution network for enhanced coverage level
- Implementation of sewerage and drainage schemes to improve sanitation coverage
- Mode of Public private partnership should be originated for raising community mobilization and awareness to progress the safely managed water and sanitation services in rural area of Hafizabad
- Outsourcing of O&M service contract where it will be difficult to manage by CBOs
- Development of Integrated Development and Asset Management Plan (IDAMP) for rural area
- Water Supply and Sanitation services surveillance system to be placed in longer terms

9.5 Proposed Projects List (2020-30) for Rural Hafizabad

Identified projects list along with its digest for water and sanitation sector interventions is jotted down based on priority needs.

Table 72: Project Digest (2020-2030) for Rural Hafizabad

Sr. No	Name of Project	Cost PKR Million	Category	Implementation Agency	Mode of Project
1	Rehabilitation of 07 Dys-functional rural water supply schemes in Rural areas of Hafizabad tehsil	119	Short term	Public Health Engineering Department (PHED)	Asian Development Program (ADP)
2	Groundwater quality testing coverage in identified hotspot villages and installation of proposed 129 RO plants in 122 villages	381	Short term	Punjab Aab e Pak Authority (PAPA) /PHED	PPP
3	Installation of sewerage and drainage scheme to unserved population (188000 population-25% population)	9	Short term	PHED	ADP
4	Installation of 163 new cluster based solar	1,189	Short term	PHED	ADP

	based UF plants of 1000 l/hr in 297 villages (each having population 10-2500)				
5	Prepare and implementation of GIS based water quality testing sampling and MIS based water quality monitoring	5.00	Medium term	Urban Unit +PHED	PPP
6	Implementation of WSS Asset Mapping and Asset Management Information System	5.00	Medium term	Urban Unit +PHED	PPP
7	Conducting training need assessment and implementation of training/capacity building of CBOs/ PHED staff	5.00	Medium term	Local Government (LG)/Aljazari Academy (AJWA)	PPP
8	Installation of 146 new solar based UF plants of 1000 l/hr in 67 villages (each having population 2500-5000)	754	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
9	Installation of 48 new rural water supply schemes, each having capacity of 1 cusec each in 31 villages (each village having population of >5000-15000)	934	Medium term	Punjab Aab e Pak Authority (PAPA) /PHED	CPEC
10	Construction of sewrage and drainage schemes in unserved villages (188000 population-25% population)	19	Medium term	PHED	ADP
11	Installation of 97 new solar based UF plants of 2000 l/hr in 36 villages (each having population greater than 5000)	548.74	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
12	Installation of 13 new rural water supply schemes having	313.63	Long term	Punjab Aab e Pak Authority	CPEC

	capacity of 1.5 cusec each in 5 villages (each village of having population >15000)			(PAPA) /PHED	
13	Installation of 42 new cluster based rural water supply schemes, each having capacity of 0.5 cusec each in 254 villages (each village having population of <10-2000)	1,091.73	Long term	Punjab Aab e Pak Authority (PAPA) /PHED	ADP
14	Construction of sewrage and drainage schemes in unserved villages (188000 population-25% population)	14.49	Long term	PHED	ADP
15	Installation of 111 new rural water supply schemes, each having capacity of 0.5 cusec each in 111 villages (each village having population of 2000-5000)	1,669.95	Short term	PHED	ADP

*

9.5.1 Projects Digest for WSS in Rural Areas

Rehabilitation of Rural Water Supply Schemes (Sr. No 1)

Category: Short Term (0-3 Years)

Scope:

The proposed project covers rehabilitation of 07 Dys-functional rural water supply schemes in Hafizabad Tehsil. All schemes are present in sweet water zone. These schemes were dys-functional majorly due to rising main machinery damage and non-payment of WAPDA dues. Rehabilitation will cover the replacement of damaged raising mains and other dys-functional components as per requirement. Rehabilitation of these schemes will serve approximately 50,000 populations of 07 villages who are currently deprived of tap water. Implementation of project will enhance water supply coverage by 5-7% to unserved population. The provision of tap water at premises will not only provide the water in sufficient quantity at premises but also save the time to fetch water from nearby water source. The List of dys-functional schemes and mapped points of schemes are given.

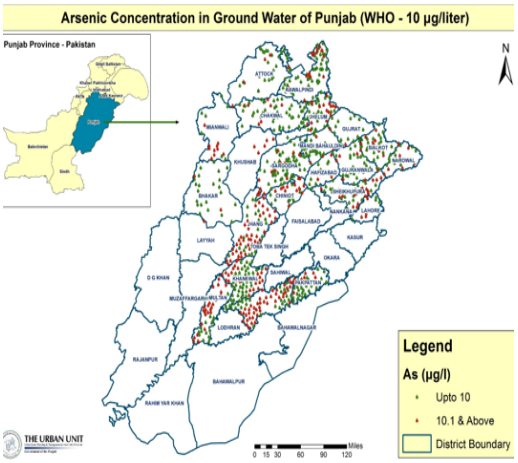
Table 73: List of dys-Functional Schemes to be rehabilitated in Hafizabad

Sr. No.	Name of Dys-Functional Scheme	Tehsil
1	R.W.S.S. KARYALA	Hafizabad
2	R.W.S.S. RAMKE CHATTHA	Hafizabad
3	R.W.S.S. VINNI	Hafizabad
4	R.W.S.S. DHUNNI	Hafizabad
5	R.W.S.S. Udoki	Hafizabad
6	R.W.S.S. Kassoki	Hafizabad
7	R.W.S.S.KOLO Tarar	Hafizabad

Groundwater quality testing coverage in identified hotspot villages and installation of proposed 129 RO plants in 122 villages (Sr. No 2)

Category: Short Term (0-3 Years)

Scope:



This projects aims to re-confirm the water quality contamination issues in identified priority areas in rural areas of Hafizabad so that right type of treatment technology to be installed at right place. Project can be implemented through engagement of private operator.

It is noted from secondary water quality analysis that 122 samples of TDS had value exceeding the maximum limit of 1000 ppm that can affect 3,50,000 people of 122 villages who are using the brackish water. It is proposed that water quality testing should be done in identified villages and install RO plants. The treatment unit will be constructed involving power source, testing of water source, pre-fabricated storage tanks, RO modules, backwashing process, taps, pumps and valves set up etc. From statistical analysis of safe water need, it is calculated that cluster based 51 RO units of 1000 l/hr capacity will be required and installed in 91 villages; 32 plants each of 1000 l/hr in 18 villages and 46 plants of each 2000 l/hr in 14 villages. Total approximately greater than 4 lac people will be benefited from the availability of safe drinking water through installation of RO plants.

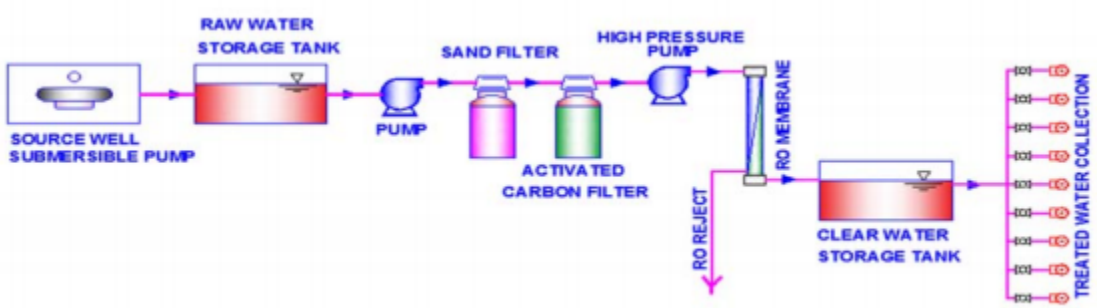


Table 74: Identified Villages for water contamination in Hafizabad

tehsil name	village name	TDS	tehsil name	village name	TDS	tehsil name	village name	TDS
Pindi Bhattian	naburara	8555	Pindi Bhattian	thatha aminika	1610	Hafizabad	beranwala	1300
Hafizabad	sire	7503	Pindi Bhattian	kot shah alam	1600	Pindi Bhattian	pump shah nawaz	1300
Pindi Bhattian	Chah Balocha	6000	Pindi Bhattian	tiba shah behlool	1549	Hafizabad	Thatha Kharu matmal	1300
Pindi Bhattian	sukhekay	5880	Pindi Bhattian	Atlay rehman	1540	Hafizabad	mattum	1293
Hafizabad	tohaeed nager	5666	Pindi Bhattian	kot shah alam	1500	Pindi Bhattian	Channi Qasim	1290
Pindi Bhattian	sadhoke	5554	Pindi Bhattian	kot shah alam	1500	Pindi Bhattian	sadhoke	1277
Pindi Bhattian	chak 2	5486	Pindi Bhattian	pump shah nawaz	1500	Pindi Bhattian	kotla annandan	1270
Pindi Bhattian	sahoke	5468	Hafizabad	thatta jahid ka	1450	Hafizabad	matteiki	1270
Pindi Bhattian	thatha mallian	5465	Hafizabad	Hardo rata	1450	Pindi Bhattian	kotla annandan	1265
Pindi Bhattian	chak 474	2010	Pindi Bhattian	thatta jahan	1448	Pindi Bhattian	Atlay marwan	1260
Pindi Bhattian	solangi kharal	1950	Hafizabad	Hardo rata	1440	Pindi Bhattian	mungawala	1260
Pindi Bhattian	Atlay marwan	1910	Pindi Bhattian	ghabrika	1400	Hafizabad	Dohata azmat	1260
Pindi Bhattian	thatha aminika	1750	Pindi Bhattian	hussake	1400	Pindi Bhattian	dharian	1260
Pindi Bhattian	dari wala	1750	Pindi Bhattian	Channi Qasim	1391	Pindi Bhattian	kharati	1260
Pindi Bhattian	dari wala	1750	Hafizabad	beranwala	1391	Pindi Bhattian	mot tara	1260
Hafizabad	matteiki	1720	Pindi Bhattian	chak 474	1390	Pindi Bhattian	Rakh Thatha Mukhtar	1250

tehsil name	village name	TDS	tehsil name	village name	TDS	tehsil name	village name	TDS
Pindi Bhattian	Atlay rehman	1680	Pindi Bhattian	Rakh Thatha Mukhtar	1375	Pindi Bhattian	Chak Ghulla	1250
Hafizabad	Dhuni	1639	Pindi Bhattian	sadhoke	1362	Pindi Bhattian	bahu maan	1240
Pindi Bhattian	chak 474	1620	Pindi Bhattian	klair	1350	Pindi Bhattian	Par Massu	1236
Pindi Bhattian	khur bin	1616	Pindi Bhattian	pump shah nawaz	1325	Hafizabad	kalianuwala	1230
Pindi Bhattian	Kanwalwali	1220	Hafizabad	melowal	1165	Hafizabad	thatta assian	1080
Pindi Bhattian	thatta jahan	1220	Pindi Bhattian	Chah Ana	1160	Pindi Bhattian	kot badarbdin	1070
Pindi Bhattian	khur bin	1220	Pindi Bhattian	kot badarbdin	1155	Pindi Bhattian	Rasulpur	1062
Hafizabad	karlee mandi	1210	Pindi Bhattian	chak 2	1150	Hafizabad	Thatta Jahad Hassan wala	1060
Pindi Bhattian	Chak Ghulla	1210	Pindi Bhattian	hussake	1150	Pindi Bhattian	rasool pur tarar	1060
Pindi Bhattian	pir kamal	1210	Hafizabad	sire	1137	Hafizabad	Ram kaur	1050
Pindi Bhattian	fateh pur	1210	Pindi Bhattian	beemawala	1130	Pindi Bhattian	pir kamal	1050
Pindi Bhattian	Channi Qasim	1200	Hafizabad	bacha nou	1115	Pindi Bhattian	kharati	1050
Pindi Bhattian	Chah Ana	1200	Pindi Bhattian	pindi sardani	1110	Hafizabad	baleki kohna	1050
Pindi Bhattian	klair	1200	Pindi Bhattian	noroz pur	1110	Pindi Bhattian	Par Lakkhan	1040
Pindi Bhattian	Rakh Thatha Mukhtar	1200	Pindi Bhattian	kan madhora	1106	Pindi Bhattian	bahu maan	1040
Hafizabad	Lakhia	1190	Pindi Bhattian	choudhu ahmad yar	1100	Pindi Bhattian	Kot Nakka	1035
Hafizabad	Dohata azmat	1190	Hafizabad	dhunni	1100	Pindi Bhattian	sayad wala	1035
Pindi Bhattian	matteke	1180	Pindi Bhattian	beemawala	1100	Hafizabad	kolo tarar	1032
Pindi Bhattian	mirza bangshika	1180	Pindi Bhattian	kidhay	1100	Hafizabad	Lakhia	1030
Pindi Bhattian	jaggan wala	1180	Pindi Bhattian	Whijwan	1100	Pindi Bhattian	naburara	1030

tehsil name	village name	TDS	tehsil name	village name	TDS	tehsil name	village name	TDS
Hafizabad	Dhaka bhattian	1176	Pindi Bhattian	Chah Ana	1100	Pindi Bhattian	kot pehlwan	1023
Hafizabad	loianwala	1175	Hafizabad	Chaudhu ahmad yar	1100	Pindi Bhattian	Kudlathi	1020
Pindi Bhattian	matteke	1170	Pindi Bhattian	Whijwan	1085	Pindi Bhattian	Dohata khurd	1020
Pindi Bhattian	Par Massu	1170	Pindi Bhattian	Kudlathi	1080	Pindi Bhattian	solangi kharal	1020

Installation of sewerage and drainage scheme to unserved population (188000 population-25% population) (Sr. No 3)

Category: Short Term (0-3 Years)

Scope:

Its objective is to provide safe sanitation services to people in rural areas hence contribute in achieving the SDG goal target of safely managed sanitation by 2030. Currently only 22-25% population is being provided with sewerage drainage facilities in Hafizabad as per PHED provided data. Therefore, to improve the coverage of sanitation, installation of new sewerage & drainage schemes are proposed to be installed in 15 villages to cover approximately 2 lac population present in rural area. Installation of sewerage drainage scheme will cover all necessary steps taken as per standard operating procedure.

Installation of 163 new cluster based solar based UF plants of 1000 l/hr in 297 villages (each having population 10-2500) (Sr. No 4)

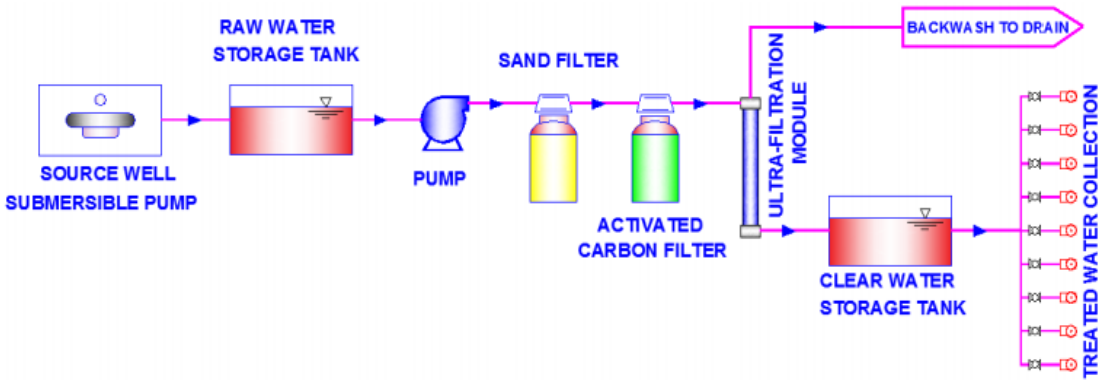
Category: Short Term (0-3 Years)

Scope:

Its objective is to provide safe drinking water to people in rural areas hence contribute in achieving the SDG goal target of safely managed water by 2030. Currently no population is being provided with treated water, therefore, to reach coverage of treated water installation of new Ultra-filtration (UF) plants according to drinking water demand is proposed.

Cluster based Ultrafiltration plant of 1000 l/hr capacity are proposed to be installed as per demand and population of settlements. Solar based 163 UF plants each having capacity of 1000 l/hr will be installed in 297 small villages, each of those village have population range from 10 to 2500. It will serve the population of approximately 326000 people through provision of 3 lpcd.

New water supply source will be identified for installation of UF plant and sahulat centre is proposed to provide water to population in scattered villages. Installation of UF plant will cover all components including Prefabricated room for plant, solar panels, Boring/drilling and installation of Submersible Pump, Raw Water Feed Pump, Raw water tank, Pressure Sand Filter, Activated Carbon Filter, Micro Filter, Ultra Filtration system with frame, stainless steel UF Housing Pentair, UF Membrane, Automatic PLC Panel, Injection System, Blending filter, pressure gauges, flow meter for product water, TDS meter, product water tank, Pipe and taps outside room, fittings of PVC, automatic back wash system for membranes.



Installation of 111 new rural water supply schemes, each having capacity of 0.5 cusec each in 111 villages (each village having population of 2000-5000) (Sr. No 5)

Category: Short Term (0-3 Years)

Scope:

There are only 3 rural water supply schemes present in rural areas of Hafizabad which are supplying tap water to people. Currently only approximately 3% population is benefited from tap water. To enhance coverage and accessibility of required standard amount of water for domestic usage to meet SDG target of safely managed drinking water, installation of new rural water supply schemes is proposed. There will be construction of 111 new rural water supply scheme (RWSS) each of 0.5 cusec tube well in 111 villages (each village of having population 2000-5000) of Hafizabad that will benefit 3,24,000 persons. Scope will cover all necessary steps of water source development, pumping machinery, pumping house, installation of equipment, construction of raising main, laying out of distribution network and other as per Standard Operating Procedures (SOPs).

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujranwala	Gujranwala City	Gujranwala City-Ii QH	Hardo Chhichhar Wali PC	Rakh Kikran Wali	45789.25	12.7524	9	22894.624	12
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Talwandi Rahwali PC	Talwandi Rahwali	44298.80	12.3373	8	22149.398	12
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Tatle Aali	37604.68	10.4729	7	18802.342	10
Gujranwala	Gujranwala Saddar	Eminabad QH	Dhillan Wali PC	Dhillan Wali	33906.25	9.4429	6	16953.123	8
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Gondlan Wala PC	Gondlan Wala	32524.10	9.0580	6	16262.050	8
Gujranwala	Gujranwala Saddar	Eminabad QH	Muraliwala PC	Muraliwala	28660.74	7.9820	5	14330.370	7
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Sainra Goraya PC	Sainra Goraya	24514.31	6.8273	5	12257.153	6
Gujranwala	Nowshera Virkan	Nokhar QH	Nokhar PC	Nokhar	19823.87	3.6806	3	9911.937	5
Gujranwala	Kamoke	Wahndo QH	Wahndo PC	Wahndo	19795.57	3.6754	3	9897.783	5
Gujranwala	Kamoke	Mandiala Tegha QH	Mandiala Tegha PC	Mandiala Tegha	19634.34	3.6455	3	9817.168	5
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Madu Khalil PC	Madu Khalil	19426.34	3.6068	3	9713.169	5
Gujranwala	Wazirabad	Hardo Warpal QH	Kalaski PC	Kalaski	19198.65	3.5646	3	9599.324	5
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Ugo PC	Chak Ugo	18824.50	3.4951	3	9412.248	5
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Attawa PC	Attawa	18648.50	3.4624	3	9324.248	5
Gujranwala	Gujranwala City	Gujranwala City-I QH	Kotli Rustam PC	Kot Miranji(Qila Balwant	18552.50	3.4446	3	9276.249	5
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Karial Kalan PC	Karial Kalan	18338.34	3.4048	3	9169.172	5
Gujranwala	Wazirabad	Hardo Warpal QH	Hardo Warpal PC	Hardo Warpal	16618.97	3.0856	3	8309.486	4
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Abdal PC	Gage Wali	16420.82	3.0488	3	8210.409	4
Gujranwala	Nowshera Virkan	Nokhar QH	Jahlan PC	Jahlan	14494.68	2.6912	3	7247.339	4
Gujranwala	Gujranwala Saddar	Eminabad QH	Kot Shera PC	Kot Shera	13962.99	2.5925	3	6981.494	4
Gujranwala	Gujranwala Saddar	Eminabad QH	Melo Wala PC	Melo Wala	13457.15	2.4986	3	6728.573	4
Gujranwala	Kamoke	Gunna Aur QH	Tamboli PC	Tamboli	13113.76	2.4348	3	6556.881	3
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Talwandi Musa Khan PC	Talwandi Musa Khan	13026.38	2.4186	3	6513.189	3
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Jago Wala PC	Jagowala	12951.30	2.4046	3	6475.651	3
Gujranwala	Nowshera Virkan	Budha Goraya QH	Ghumman Wala PC	Ghumman Wala	12857.76	2.3873	3	6428.882	3
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Papnakha PC	Papnakha	12351.92	2.2933	3	6175.961	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chahal Kohna PC	Chahal Kohna	12344.54	2.2920	3	6172.268	3
Gujranwala	Gujranwala City	Gujranwala City-I QH	Kotli Rustam PC	Ashfaq Abad (Qila Chet Si	12222.69	2.2694	3	6111.346	3
Gujranwala	Wazirabad	Wazirabad City No I QH	Ghakke Meeter PC	Wanjo Wali	12195.61	2.2643	3	6097.807	3
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Butran Wali PC	Butranwali	11666.39	2.1661	3	5833.194	3
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Tarigri PC	Tarigri	11655.31	2.1640	3	5827.655	3
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Talwandi Khajurwali PC	Talwandi Khajurwali	11649.16	2.1629	3	5824.578	3
Gujranwala	Wazirabad	Jamke Chatha QH	Jamke Chatha PC	Jamke Chatha	11513.77	2.1377	3	5756.886	3
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Bhatti Bhango PC	Bhatti Bhango	16314.97	3.0292	2	8157.487	4
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Feroz Wala PC	Feroz Wala	16276.82	3.0221	2	8138.410	4
Gujranwala	Kamoke	Kamoke QH	Sadhoke PC	Sadhoke	15817.75	2.9368	2	7908.873	4
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Mandiala Waraich PC	Kotli Jodh Singh(Kotli Pir	15060.83	2.7963	2	7530.414	4
Gujranwala	Wazirabad	Jamke Chatha QH	Saroki PC	Saroki	15007.90	2.7865	2	7503.952	4
Gujranwala	Kamoke	Kamoke QH	Sadhoke PC	Raja	11144.54	2.0692	2	5572.272	3
Gujranwala	Wazirabad	Hardo Warpal QH	Hardo Saharan PC	Hardo Saharan	11126.08	2.0658	2	5563.042	3
Gujranwala	Wazirabad	Wazirabad City No I QH	Sohdara PC	Talwara	10819.62	2.0089	2	5409.812	3
Gujranwala	Wazirabad	Ali Pur Chattha QH	Hazrat Kailianwala PC	Hazrat Kailianwala	10578.39	1.9641	2	5289.197	3
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Mandiala Mir Shikaran PC	Mandiala Mir Shikaran	10366.70	1.9248	2	5183.352	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Matto Bhai Ke PC	Matto Bhai Ke	10365.47	1.9245	2	5182.736	3
Gujranwala	Wazirabad	Gakhhar QH	Nat Kalan PC	Nat Kalan	10226.40	1.8987	2	5113.198	3
Gujranwala	Wazirabad	Ahmad Nagar QH	Ladhewala PC	Ladhewala	9836.25	1.3697	2	4918.123	3
Gujranwala	Wazirabad	Ahmad Nagar QH	Beanka Cheema PC	Beanka Cheema	9788.25	1.3630	2	4894.123	3
Gujranwala	Wazirabad	Ahmad Nagar QH	Ahmad Nagar PC	Ahmad Nagar	9750.09	1.3577	2	4875.046	3
Gujranwala	Wazirabad	Ahmad Nagar QH	Wadala PC	Wadala	9745.17	1.3570	2	4872.584	3
Gujranwala	Gujranwala Saddar	Eminabad QH	Dheriwal PC	Dheriwal	9239.33	1.2866	2	4619.663	3
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Bharoki Cheema PC	Bharoki Cheema	8939.02	1.2448	2	4469.510	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujranwala	Gujranwala Saddar	Eminabad QH	Kot Shera PC	Hardo Moghal Chak	8875.02	1.2359	2	4437.510	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Abid Abad PC	Abidabad	8669.48	1.2072	2	4334.742	3
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Bhade	8653.48	1.2050	2	4326.742	3
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Botala Sharam Singh PC	Botala Sharam Singh	8636.25	1.2026	2	4318.126	3
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Bale Wala PC	Bale Wala	8610.41	1.1990	2	4305.203	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mangoki PC	Mangoki	8406.10	1.1706	2	4203.050	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Garmula PC	Garmula	8110.72	1.1294	2	4055.359	2
Gujranwala	Gujranwala City	Gujranwala City-I QH	Kotli Rustam PC	Kot Khaliq	8076.26	1.1246	2	4038.128	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Khark PC	Taung Kalan	4969.81	0.4614	1	2484.907	3
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Mardeke PC	Kot Khizri	4844.28	0.4497	1	2422.138	3
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Sainra Goraya PC	Chak Muslim	4799.97	0.4456	1	2399.985	3
Gujranwala	Gujranwala Saddar	Eminabad QH	Dhillan Wali PC	Khan Piara	4787.66	0.4445	1	2393.831	3
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Mokhal PC	Chak Nizam	4731.05	0.4392	1	2365.523	3
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Fatehki PC	Natho Soaya	4710.12	0.4373	1	2355.062	3
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lanj PC	Lanj	4658.43	0.4325	1	2329.216	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Hardo Ratali PC	Hardo Ratali	4638.74	0.4306	1	2319.370	3
Gujranwala	Wazirabad	Ahmad Nagar QH	Ladhewala PC	Kale Wala	4621.51	0.4290	1	2310.755	3
Gujranwala	Wazirabad	Hardo Warpal QH	Farm Jhakanwali	Farm Jhakanwali	4617.82	0.4287	1	2308.908	3
Gujranwala	Nowshera Virkan	Budha Goraya QH	Ghumman Wala PC	Kot Balal	4546.43	0.4221	1	2273.216	3
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Randhiar PC	Randhiar	4507.05	0.4184	1	2253.524	3
Gujranwala	Wazirabad	Jamke Chatha QH	Rakh Singhpura PC	Rakh Singhpura	4454.13	0.4135	1	2227.063	3
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Pero Chak PC	Gagar Ke	4447.97	0.4129	1	2223.986	3
Gujranwala	Nowshera Virkan	Nokhar QH	Udhowali PC	Udho Wali	4429.51	0.4112	1	2214.755	3
Gujranwala	Kamoke	Kamoke QH	Ashrifabad (Santpura) PC	Ashrifabad (Sant Pura)	4424.59	0.4108	1	2212.294	3
Gujranwala	Wazirabad	Hardo Warpal QH	Ghhia Wala PC	Mohalanke	4414.74	0.4098	1	2207.371	3
Gujranwala	Wazirabad	Hardo Warpal QH	Noian Wala PC	Noian Wala	4403.66	0.4088	1	2201.832	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujranwala	Wazirabad	Jamke Chatha QH	Salloke PC	Salloke	4401.20	0.4086	1	2200.601	3
Gujranwala	Wazirabad	Gakhhar QH	Kot Inayat Khan PC	Ojla Kalan	4376.59	0.4063	1	2188.294	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Sahoke PC	Khara	4343.36	0.4032	1	2171.678	3
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Basi Wala PC	Baware	4327.36	0.4017	1	2163.679	3
Gujranwala	Gujranwala Saddar	Eminabad QH	Nand Pur PC	Nand Pur	4290.43	0.3983	1	2145.217	3
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Randhiar PC	Masanda	4279.36	0.3973	1	2139.679	3
Gujranwala	Kamoke	Gunna Aur QH	Machhrala PC	Machhrala	4249.82	0.3945	1	2124.910	3
Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Kiranwali	4231.36	0.3928	1	2115.679	3
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Haigar PC	Haigar	4227.67	0.3925	1	2113.833	3
Gujranwala	Wazirabad	Jamke Chatha QH	Dharo Wal PC	Dharo Wal	4210.43	0.3909	1	2105.217	3
Gujranwala	Wazirabad	Hardo Warpal QH	Wazir Ke Chatha PC	Wazir Ke Chatha	4206.74	0.3905	1	2103.371	3
Gujranwala	Wazirabad	Gakhhar QH	Jandiala Dhabwala PC	Dad Wali	4188.28	0.3888	1	2094.141	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Sahoke PC	Lil	4135.36	0.3839	1	2067.679	3
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Naddu Sarai PC	Naddu Sarai	4125.51	0.3830	1	2062.756	3
Gujranwala	Wazirabad	Gakhhar QH	Kot Nura PC	Kot Nura	4088.59	0.3796	1	2044.295	3
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Nodhan PC	Qila Diwan Singh	4031.97	0.3743	1	2015.987	3
Gujranwala	Wazirabad	Gakhhar QH	Jandiala Dhabwala PC	Jandiala Dhabwala	4006.13	0.3719	1	2003.064	3
Gujranwala	Wazirabad	Jamke Chatha QH	Pindori Kalan PC	Pindori Kalan	4004.90	0.3718	1	2002.449	3
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baddo Ratta PC	Baddo Ratta	8009.80	1.1154	1	4004.898	2
Gujranwala	Wazirabad	Hardo Warpal QH	Dhalla Chatha PC	Dhalla Chatha	7955.64	1.1078	1	3977.821	2
Gujranwala	Wazirabad	Jamke Chatha QH	Dilawar Cheema PC	Dilawar Cheema	7799.34	1.0861	1	3899.668	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Khan Muslman	7761.18	1.0807	1	3880.591	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Kakka Kaulu PC	Kakka Kaulu	7710.72	1.0737	1	3855.360	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Dho Neke PC	Dhoneke	7606.11	1.0592	1	3803.053	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Mardeke PC	(Mardeke) Manzoorabad	7566.72	1.0537	1	3783.361	2
Gujranwala	Wazirabad	Wazirabad City No I QH	Thatha Faqir Ullah PC	Thatha Faqir Ullah	7499.03	1.0442	1	3749.515	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujranwala	Nowshera Virkan	Budha Goraya QH	Hardo Udde PC	Mari Khurd	7329.18	1.0206	1	3664.592	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Budha Goraya PC	Budha Goraya	7298.42	1.0163	1	3649.208	2
Gujranwala	Nowshera Virkan	Nokhar QH	Chabba Sandhwan PC	Chabba Sandhwan	7289.80	1.0151	1	3644.900	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Majhu Chak	7142.11	0.9945	1	3571.054	2
Gujranwala	Nowshera Virkan	Nokhar QH	Nur Pur PC	Nur Pur	7118.72	0.9913	1	3559.362	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Dhillan Wali PC	Chian Wali	7067.03	0.9841	1	3533.516	2
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Aulakh Bhaike	7005.49	0.9755	1	3502.747	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Khabeke PC	Khabeke	6988.26	0.9731	1	3494.132	2
Gujranwala	Wazirabad	Gakhhar QH	Kot Inayat Khan PC	Kot Inayat Khan	6893.49	0.9599	1	3446.747	2
Gujranwala	Wazirabad	Hardo Warpal QH	Bhuman Bath PC	Bhuman Bath	6823.34	0.9502	1	3411.671	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Noinko PC	Noinko	6806.11	0.9478	1	3403.055	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Tarigri PC	Lamban Wali	6770.42	0.9428	1	3385.209	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Pero Chak PC	Pero Chak	6654.73	0.9267	1	3327.363	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Sahanke PC	Sahanke	6642.42	0.9250	1	3321.210	2
Gujranwala	Nowshera Virkan	Nokhar QH	Dera Shah Jamal PC	Dera Shah Jamal	6598.11	0.9188	1	3299.056	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Kot Jafar PC	Kot Jafar	6595.65	0.9184	1	3297.825	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Bhakhriali Kalan PC	Thakarke	6577.19	0.9159	1	3288.594	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Botala Sardar Jhanda Singh PC	Botala Sardar Jhanda Sin	6535.34	0.9101	1	3267.672	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kaulo Wala PC	Kaulo Wala	6420.88	0.8941	1	3210.441	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Gill Wala PC	Gill Wala	6374.11	0.8876	1	3187.057	2
Gujranwala	Gujranwala City	Gujranwala City-I QH	Khiali Shahpur PC	Pipli Wala	6361.81	0.8859	1	3180.903	2
Gujranwala	Kamoke	Gunna Aur QH	Chandala PC	Chhajoki	6327.34	0.8811	1	3163.672	2
Gujranwala	Kamoke	Kamoke QH	Herpoki PC	Herpoki	6308.88	0.8785	1	3154.441	2
Gujranwala	Kamoke	Mandiala Tegha QH	Jabboke PC	Jabboke	6308.88	0.8785	1	3154.441	2
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Ladha PC	Kot Ladha	6216.58	0.8657	1	3108.288	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Maan PC	Maan	6206.73	0.8643	1	3103.365	2

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Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baddo Ratta PC	Mata Virkan	6199.35	0.8633	1	3099.673	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mari Bhindran PC	Mari Bhindran	6191.96	0.8622	1	3095.980	2
Gujranwala	Nowshera Virkan	Nokhar QH	Jahlan PC	Chandhar	6164.88	0.8585	1	3082.442	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Babbar PC	Babbar	6162.42	0.8581	1	3081.211	2
Gujranwala	Kamoke	Kamoke QH	Ghhanian PC	Ghhanian	6067.65	0.8449	1	3033.827	2
Gujranwala	Kamoke	Gunna Aur QH	Allahabad(Nangaldun a Singh)PC	Allahabad(Nangal Duna S	6018.42	0.8381	1	3009.212	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Ahmad Nagar PC	Chabba Cheema	5975.35	0.8321	1	2987.673	2
Gujranwala	Kamoke	Kamoke QH	Darga Pur PC	Darga Pur	5895.35	0.8209	1	2947.674	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Bhakhriali Kalan PC	Bhakhriali Kalan	5873.19	0.8178	1	2936.597	2
Gujranwala	Kamoke	Kamoke QH	Mustafabad PC	Mustafabad (Mari Thakra	5804.27	0.8082	1	2902.135	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Kotli Mughalan PC	Kotli Mughalan	5750.12	0.8007	1	2875.059	2
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Jaura	5748.89	0.8005	1	2874.443	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Mokhal PC	Mokhal	5684.89	0.7916	1	2842.443	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Kot Bhawani Dass	5638.12	0.7851	1	2819.059	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Mansur Wali PC	Mansur Wali	5585.20	0.7777	1	2792.598	2
Gujranwala	Wazirabad	Jamke Chatha QH	Mandiala Chatha PC	Mandiala Chatha	5582.73	0.7774	1	2791.367	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Tatle Mali PC	Tatle Mali	5563.04	0.7747	1	2781.521	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Shamsa Dhadda PC	Shamsa Dhadda	5492.89	0.7649	1	2746.444	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Basi Wala PC	Basi Wala	5491.66	0.7647	1	2745.829	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Khiwe Wali PC	Khiwe Wali	5465.81	0.7611	1	2732.906	2
Gujranwala	Wazirabad	Jamke Chatha QH	Jham Wala PC	Jham Wala	5448.58	0.7587	1	2724.290	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Doghran Wala Waraitch	5422.73	0.7551	1	2711.367	2
Gujranwala	Wazirabad	Jamke Chatha QH	Manchar Chatha PC	Manchar Chatha	5385.81	0.7500	1	2692.906	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Jogi Wala PC	Beg Pur	5377.20	0.7488	1	2688.598	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Ghumman Wala PC	Bhakran Wali	5348.89	0.7448	1	2674.445	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Randhiar PC	Kuralke	5336.58	0.7431	1	2668.291	2

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Gujranwala	Kamoke	Wahndo QH	Rana PC	Rana	5276.27	0.7347	1	2638.137	2
Gujranwala	Kamoke	Kamoke QH	Mustafabad PC	Hardo Khot	5238.12	0.7294	1	2619.060	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Jokhian PC	Uncha Kaler	5230.74	0.7284	1	2615.368	2
Gujranwala	Kamoke	Wahndo QH	Saboke PC	Dandian	5094.12	0.7094	1	2547.061	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Jalal PC	Jalal	5078.12	0.7071	1	2539.061	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Hardo Udde PC	Hardo Udde	5074.43	0.7066	1	2537.215	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Ladhewala Goraya PC	Ladhe Wala Goraya	5073.20	0.7064	1	2536.599	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Veroke PC	Veroke	5065.81	0.7054	1	2532.907	2
Gujranwala	Kamoke	Kamoke QH	Malke PC	Malke	5017.81	0.6987	1	2508.907	2
Gujranwala	Nowshera Virkan	Nokhar QH	Nur Pur PC	Philoki Kalan	5010.43	0.6977	1	2505.215	2
Gujranwala	Kamoke	Kamoke QH	Bharoke Virkan PC	Bharoke Virkan	5006.74	0.6972	1	2503.369	2
Gujranwala	Kamoke	Kamoke QH	Akbar Ghanoke PC	Akbar Ghanoke	3991.36	0.3705	1	1995.680	2
Gujranwala	Kamoke	Kamoke QH	Herpoki PC	Ghomal	3991.36	0.3705	1	1995.680	2
Gujranwala	Wazirabad	Gakhhar QH	Jandiala Dhabwala PC	Chak Beg	3972.90	0.3688	1	1986.449	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Ugo PC	Kot Piro Shah	3953.21	0.3670	1	1976.603	2
Gujranwala	Kamoke	Kamoke QH	Bharoke Virkan PC	Minhais	3933.51	0.3652	1	1966.757	2
Gujranwala	Nowshera Virkan	Nokhar QH	Udhowali PC	Baddoke	3928.59	0.3647	1	1964.295	2
Gujranwala	Wazirabad	Wazirabad City No I QH	Thatha Faqir Ullah PC	Bhatti Ke	3922.44	0.3641	1	1961.218	2
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Bheri Khurd	3905.21	0.3625	1	1952.603	2
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Bheri Kalan	3903.98	0.3624	1	1951.988	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Khark PC	Mustafabad	3864.59	0.3588	1	1932.295	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Khabeke PC	Kotli Bal Gobind(Ratt Wal	3842.44	0.3567	1	1921.219	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Phama Sarai PC	Phama Sarai	3832.59	0.3558	1	1916.296	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nadala PC	Nadala	3815.36	0.3542	1	1907.680	2
Gujranwala	Wazirabad	Gakhhar QH	Nat Kalan PC	Ibban Wali	3812.90	0.3540	1	1906.449	2
Gujranwala	Wazirabad	Hardo Warpal QH	Jhatan Wali PC	Jhatan Wali	3812.90	0.3540	1	1906.449	2

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Gujranwala	Nowshera Virkan	Nokhar QH	Theri Gillan PC	Theri Gillan	3782.13	0.3511	1	1891.065	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mari Bhindran PC	Pagala	3756.28	0.3487	1	1878.142	2
Gujranwala	Kamoke	Kamoke QH	Darga Pur PC	Chak Lakhya	3753.82	0.3485	1	1876.911	2
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Chaura	3753.82	0.3485	1	1876.911	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Papnakha PC	Kot Qazi	3736.59	0.3469	1	1868.296	2
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Darajke	3716.90	0.3451	1	1858.450	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Hazrat Kailianwala PC	Sarwala	3710.75	0.3445	1	1855.373	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Kotli Machhran Wali PC	Kotli Machhranwali	3655.36	0.3393	1	1827.681	2
Gujranwala	Kamoke	Mandiala Tegha QH	Hyderabad PC	Mohan Pur	3649.21	0.3388	1	1824.604	2
Gujranwala	Wazirabad	Gakhhar QH	Wayan Wali PC	Wayan Wali	3641.82	0.3381	1	1820.911	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Talwandi Khajurwali PC	Thatta Dad	3640.59	0.3380	1	1820.296	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Hardo Deorhi PC	Hardo Deorhi	3615.98	0.3357	1	1807.988	2
Gujranwala	Kamoke	Gunna Aur QH	Chandala PC	Chandali	3612.28	0.3353	1	1806.142	2
Gujranwala	Kamoke	Kamoke QH	Darga Pur PC	Toleke	3607.36	0.3349	1	1803.681	2
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Chak Chatha	3547.05	0.3293	1	1773.527	2
Gujranwala	Kamoke	Wahndo QH	Wahndo PC	Dalian Wali	3545.82	0.3292	1	1772.912	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Chak Chaudhri PC	Chak Chaudhri	3539.67	0.3286	1	1769.835	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Mandiala Mir Shikaran PC	Naroke	3529.82	0.3277	1	1764.912	2
Gujranwala	Kamoke	Kamoke QH	Ghhanian PC	Chak Hindu	3524.90	0.3272	1	1762.450	2
Gujranwala	Kamoke	Gunna Aur QH	Sammon Bala PC	Lalu Pur	3513.82	0.3262	1	1756.912	2
Gujranwala	Kamoke	Wahndo QH	Kotli Nawab Sadullah Khan PC	Kotli Nawab Sadullah Kh	3479.36	0.3230	1	1739.681	2
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Uggo Bhindar	3459.67	0.3212	1	1729.835	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Dharoke PC	Dharoke	3444.90	0.3198	1	1722.451	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Kotli Aroura	3422.75	0.3177	1	1711.374	2
Gujranwala	Kamoke	Mandiala Tegha QH	Thapnala PC	Qahrwali	3415.36	0.3171	1	1707.681	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Date Wali PC	Date Wali	3351.36	0.3111	1	1675.682	2

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Gujranwala	Wazirabad	Wazirabad City No I QH	Lawari Wala PC	Lawari Wala	3286.13	0.3051	1	1643.066	2
Gujranwala	Kamoke	Wahndo QH	Sandrana PC	Khotra	3276.29	0.3041	1	1638.143	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Sadho Goraya PC	Sadho Goraya	3271.36	0.3037	1	1635.682	2
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Ratta Dhutar	3266.44	0.3032	1	1633.220	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Gondlan Wala PC	Qiampur	3261.52	0.3028	1	1630.759	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Bale Wala PC	Soian	3257.83	0.3024	1	1628.913	2
Gujranwala	Wazirabad	Wazirabad City No I QH	Ghakke Meeter PC	Chak Satia	3251.67	0.3019	1	1625.836	2
Gujranwala	Kamoke	Kamoke QH	Akbar Ghanoke PC	Kingaryali	3219.67	0.2989	1	1609.836	2
Gujranwala	Wazirabad	Hardo Warpal QH	Harchoki PC	Madan Chak	3209.83	0.2980	1	1604.913	2
Gujranwala	Wazirabad	Gakhhar QH	Kotli Sahian PC	Kotli Sahian	3206.13	0.2976	1	1603.067	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Mahesian PC	Chandanian	3192.60	0.2964	1	1596.298	2
Gujranwala	Kamoke	Wahndo QH	Gurali PC	Mangat	3186.44	0.2958	1	1593.221	2
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Make Wala	3186.44	0.2958	1	1593.221	2
Gujranwala	Wazirabad	Gakhhar QH	Kot Nura PC	Pir Kot	3185.21	0.2957	1	1592.605	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Ado Rai (Qila Nohu Singh) PC	Chariala Kalan	3181.52	0.2954	1	1590.759	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Mokhal PC	Nathou Ke	3169.21	0.2942	1	1584.605	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Kassoki	3137.21	0.2912	1	1568.605	2
Gujranwala	Kamoke	Mandiala Tegha QH	Dhensar Pain PC	Dhensar Pain	3137.21	0.2912	1	1568.605	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Bopra Kalan PC	Harchoki	3137.21	0.2912	1	1568.605	2
Gujranwala	Kamoke	Kamoke QH	Mandiala Puniach PC	Mandiala Puniach	3122.44	0.2899	1	1561.221	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Bhakhriali Kalan PC	Bhakhriali Khurd	3100.29	0.2878	1	1550.144	2
Gujranwala	Kamoke	Gunna Aur QH	Dholan PC	Dhup Sari	3089.21	0.2868	1	1544.606	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Jogi Wala PC	Tatle Hakim Haider Ali	3085.52	0.2864	1	1542.759	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Kot Bahi Khan	3078.13	0.2858	1	1539.067	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Bopra Kalan PC	Bopra Kalan	3073.21	0.2853	1	1536.606	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Gunian Wala PC	Gunian Wala	3073.21	0.2853	1	1536.606	2

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Gujranwala	Wazirabad	Gakhhar QH	Wayan Wali PC	Kaler	3048.60	0.2830	1	1524.298	2
Gujranwala	Wazirabad	Gakhhar QH	Adilgarh PC	Adil Garh	3014.13	0.2798	1	1507.067	2
Gujranwala	Wazirabad	Jamke Chatha QH	Dharo Wal PC	Khanki	3010.44	0.2795	1	1505.221	2
Gujranwala	Kamoke	Mandiala Tegha QH	Jabboke PC	Kot Khewan Mal	2998.13	0.2783	1	1499.067	2
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Bagarian Kohna	2998.13	0.2783	1	1499.067	2
Gujranwala	Kamoke	Mandiala Tegha QH	Nadha PC	Nadha	2984.60	0.2771	1	1492.298	2
Gujranwala	Nowshera Virkan	Nokhar QH	Thabal PC	Thabal	2982.13	0.2768	1	1491.067	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Kot Hara PC	Kot Hara	2977.21	0.2764	1	1488.606	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nandi Pur PC	Bhammunwali	2952.60	0.2741	1	1476.298	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Thatta Manak PC	Thatta Manak	2947.67	0.2736	1	1473.837	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Jokhian PC	Jokhian	2927.98	0.2718	1	1463.991	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kaulo Wala PC	Mattu Bhanoke	2915.67	0.2707	1	1457.837	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Nand Pur PC	Harar	2911.98	0.2703	1	1455.991	2
Gujranwala	Kamoke	Kamoke QH	Herpoki PC	Ghoga	2904.60	0.2696	1	1452.298	2
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Karial Khurd PC	Karial Khurd	2886.14	0.2679	1	1443.068	2
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Bhatti Mansur	2879.98	0.2674	1	1439.991	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Budha Goraya PC	Ratta Goraya	2876.29	0.2670	1	1438.145	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kaulo Wala PC	Qaid Abad	2872.60	0.2667	1	1436.299	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Gill Wala PC	Hassan Wali	2868.90	0.2663	1	1434.452	2
Gujranwala	Nowshera Virkan	Nokhar QH	Thabal PC	Duchha	2824.60	0.2622	1	1412.299	2
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Raje Wala	2818.44	0.2616	1	1409.222	2
Gujranwala	Kamoke	Gunna Aur QH	Pul Shah Daula PC	Pul Shah Daula	2775.37	0.2576	1	1387.683	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Sadho Goraya PC	Chitti Goraya	2774.14	0.2575	1	1387.068	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Madrsa PC	Chowatian (Jalalpur Cha	2770.44	0.2572	1	1385.222	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Naiwala PC	Naiwala	2764.29	0.2566	1	1382.145	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Bharoki Cheema PC	Rakh Bharoki	2759.37	0.2562	1	1379.684	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Dehndor	2745.83	0.2549	1	1372.914	2

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Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Phama Sarai PC	Manj Wali	2728.60	0.2533	1	1364.299	2
Gujranwala	Kamoke	Gunna Aur QH	Shamir PC	Shamir	2727.37	0.2532	1	1363.684	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Budho Pur (Balal Pur)	2712.60	0.2518	1	1356.299	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Wadala PC	Phaloke	2703.98	0.2510	1	1351.991	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Chak Duni Chand PC	Dogran Wala Malian	2699.06	0.2506	1	1349.530	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Ado Rai (Qila Nohu Singh) PC	Chariala Khurd	2685.52	0.2493	1	1342.761	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Tung Khurd	2685.52	0.2493	1	1342.761	2
Gujranwala	Gujranwala Saddar	Eminabad QH	Khawasra PC	Khawasra	2684.29	0.2492	1	1342.145	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Ghumman Wala PC	Kingariali	2679.37	0.2487	1	1339.684	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Abdul Fateh Wali PC	Aziz Chak	2678.14	0.2486	1	1339.068	2
Gujranwala	Wazirabad	Hardo Warpal QH	Ghhia Wala PC	Ghhia Wala	2676.91	0.2485	1	1338.453	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Dharoke PC	Boga	2668.29	0.2477	1	1334.145	2
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Chak Gillan	2667.06	0.2476	1	1333.530	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Hardo Pandoke PC	Hardo Pandoke	2664.60	0.2474	1	1332.299	2
Gujranwala	Kamoke	Kamoke QH	Ashrifabad (Santpura) PC	Mahlake	2663.37	0.2473	1	1331.684	2
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Pathan Wali	2657.21	0.2467	1	1328.607	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Phadianwala	2653.52	0.2463	1	1326.761	2
Gujranwala	Wazirabad	Ali Pur Chattha QH	Naiwala PC	Ajan Chak	2649.83	0.2460	1	1324.915	2
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Masaike Wali	2615.37	0.2428	1	1307.684	2
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Mandiala Mir Shikaran PC	Fateh Wala	2601.83	0.2415	1	1300.915	2
Gujranwala	Wazirabad	Hardo Warpal QH	Jhatan Wali PC	Kot Har Kiran	2600.60	0.2414	1	1300.299	2
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Trawanian PC	Dhiro Wali	2593.21	0.2407	1	1296.607	2
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Jalal PC	Babu Chak	2577.21	0.2393	1	1288.607	2
Gujranwala	Wazirabad	Ahmad Nagar QH	Khiwe Wali PC	Katohar Kalan	2550.14	0.2367	1	1275.069	2
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Kolar	2541.52	0.2359	1	1270.761	2
Gujranwala	Nowshera Virkan	Budha Goraya QH	Budha Goraya PC	Jajoke	2525.52	0.2345	1	1262.761	2

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Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Talwandi Khajurwali PC	Kotli Sabbo	2516.91	0.2337	1	1258.454	2
Gujranwala	Wazirabad	Hardo Warpal QH	Dargahi Wala PC	Darghi Wala	2515.68	0.2335	1	1257.838	2
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Chak Chaudhri PC	Dhalla	2514.45	0.2334	1	1257.223	2
Gujranwala	Kamoke	Kamoke QH	Mandiala Puniach PC	Nangre Bhatti	2511.98	0.2332	1	1255.992	2
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Hamboke	2510.75	0.2331	1	1255.377	2
Gujranwala	Kamoke	Mandiala Tegha QH	Kotli Maharan PC	Kotli Maharan	2495.98	0.2317	1	1247.992	1.247992
Gujranwala	Wazirabad	Gakhhar QH	Kot Inayat Khan PC	Ojla Khurd	2493.52	0.2315	1	1246.761	1.246761
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Pero Chak PC	Thatta Azam	2491.06	0.2313	1	1245.531	1.245531
Gujranwala	Kamoke	Wahndo QH	Sohawa PC	Sohawa	2489.83	0.2311	1	1244.915	1.244915
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Argan PC	Argan	2486.14	0.2308	1	1243.069	1.243069
Gujranwala	Kamoke	Gunna Aur QH	Chandala PC	Chandala	2482.45	0.2305	1	1241.223	1.241223
Gujranwala	Wazirabad	Ahmad Nagar QH	Gill Wala PC	Kot Qadir Bakhsh	2478.75	0.2301	1	1239.377	1.239377
Gujranwala	Kamoke	Kamoke QH	Qila Ghanda PC	Bhurrari	2465.22	0.2289	1	1232.608	1.232608
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Addl Kohluwala PC	Kot Bhanu Shah	2462.75	0.2286	1	1231.377	1.231377
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Date Wali PC	Kotli Diyandt Rai	2449.22	0.2274	1	1224.608	1.224608
Gujranwala	Wazirabad	Gakhhar QH	Darweshke PC	Darweshke	2449.22	0.2274	1	1224.608	1.224608
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Machhike Sandwan	2441.83	0.2267	1	1220.915	1.220915
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Chak Rehan	2412.29	0.2239	1	1206.146	1.206146
Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Bhan Pur	2409.83	0.2237	1	1204.915	1.204915
Gujranwala	Wazirabad	Ali Pur Chattha QH	Fateh Pur PC	Sadhanwala	2409.83	0.2237	1	1204.915	1.204915
Gujranwala	Kamoke	Gunna Aur QH	Tamboli PC	Nithranwali	2398.75	0.2227	1	1199.377	1.199377
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Sahoke PC	Sahoke	2398.75	0.2227	1	1199.377	1.199377
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Chak Joiya PC	Chak Joiya	2379.06	0.2209	1	1189.531	1.189531
Gujranwala	Kamoke	Wahndo QH	Saboke PC	Gorali	2375.37	0.2205	1	1187.685	1.187685
Gujranwala	Wazirabad	Hardo Warpal QH	Bhuman Bath PC	Kot Jahangir	2374.14	0.2204	1	1187.069	1.187069
Gujranwala	Kamoke	Mandiala Tegha QH	Kotli Maharan PC	Mandharian Wala	2369.22	0.2199	1	1184.608	1.184608

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Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Attawa PC	Lorrikhi	2364.29	0.2195	1	1182.146	1.182146
Gujranwala	Kamoke	Mandiala Tegha QH	Dhensar Pain PC	Densar Bala	2363.06	0.2194	1	1181.531	1.181531
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Ladha PC	Ram Gahr	2359.37	0.2190	1	1179.685	1.179685
Gujranwala	Kamoke	Mandiala Tegha QH	Kotli Maharan PC	Galgitti	2342.14	0.2174	1	1171.069	1.171069
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Jalal PC	Kot Saad Ullah	2338.45	0.2171	1	1169.223	1.169223
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Sango Wali	2338.45	0.2171	1	1169.223	1.169223
Gujranwala	Kamoke	Mandiala Tegha QH	Chak Ram Dass Nau PC	Bhupar	2319.99	0.2154	1	1159.993	1.159993
Gujranwala	Nowshera Virkan	Nokhar QH	Thabal PC	Chak Virkan	2316.29	0.2150	1	1158.146	1.158146
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Shamsa Dhadda PC	Bhangwan	2311.37	0.2146	1	1155.685	1.155685
Gujranwala	Nowshera Virkan	Nokhar QH	Theri Gillan PC	Bari Wala	2297.83	0.2133	1	1148.916	1.148916
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Qila Sukha Singh (Habib Pu	2290.45	0.2126	1	1145.223	1.145223
Gujranwala	Nowshera Virkan	Budha Goraya QH	Kot Purian PC	Kot Purian	2280.60	0.2117	1	1140.300	1.1403
Gujranwala	Wazirabad	Gakhhar QH	Adilgarh PC	Kot Waras	2274.45	0.2111	1	1137.224	1.137224
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nadala PC	Thatta Chawan	2270.75	0.2108	1	1135.377	1.135377
Gujranwala	Wazirabad	Ahmad Nagar QH	Gunian Wala PC	That	2270.75	0.2108	1	1135.377	1.135377
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Bagarian Nau	2262.14	0.2100	1	1131.070	1.13107
Gujranwala	Kamoke	Gunna Aur QH	Dholan PC	Dholan	2258.45	0.2097	1	1129.224	1.129224
Gujranwala	Wazirabad	Ali Pur Chattha QH	Maharajke PC	Maharaj Ke	2258.45	0.2097	1	1129.224	1.129224
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Chak Sanatta	2255.99	0.2094	1	1127.993	1.127993
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Musa Duggal	2233.83	0.2074	1	1116.916	1.116916
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Nolan Wali	2233.83	0.2074	1	1116.916	1.116916
Gujranwala	Kamoke	Wahndo QH	Gullo Ke PC	Gullo Ke	2231.37	0.2071	1	1115.685	1.115685
Gujranwala	Kamoke	Wahndo QH	Dhrang PC	Dhrang	2222.76	0.2063	1	1111.378	1.111378
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Hardo Ratali PC	Bath	2217.83	0.2059	1	1108.916	1.108916
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Jhewar(Ahmad Pur Virkan	2210.45	0.2052	1	1105.224	1.105224
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baloki PC	Toor	2207.99	0.2050	1	1103.993	1.103993

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Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Naddu Sarai PC	Sago Bhago	2203.06	0.2045	1	1101.531	1.101531
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Mardeke PC	Budha Rajada	2200.60	0.2043	1	1100.301	1.100301
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Hameed Pur Kalan	2193.22	0.2036	1	1096.608	1.096608
Gujranwala	Gujranwala Saddar	Eminabad QH	Qila Mian Singh PC	Harlan Wali Kot Mand	2183.37	0.2027	1	1091.685	1.091685
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Dodhanwali Kalan	2183.37	0.2027	1	1091.685	1.091685
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Fatehki PC	Fatehki	2182.14	0.2026	1	1091.070	1.09107
Gujranwala	Nowshera Virkan	Nokhar QH	Chabba Sandhwan PC	Surat Abad	2162.45	0.2007	1	1081.224	1.081224
Gujranwala	Wazirabad	Gakhhar QH	Kot Inayat Khan PC	Fateh Garh	2162.45	0.2007	1	1081.224	1.081224
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Khosar	2161.22	0.2006	1	1080.609	1.080609
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Chak Dadan	2155.06	0.2001	1	1077.532	1.077532
Gujranwala	Nowshera Virkan	Budha Goraya QH	Kot Purian PC	Alla Ditta	2153.83	0.1999	1	1076.916	1.076916
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Langian Wali	2148.91	0.1995	1	1074.455	1.074455
Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Puran Pur	2141.52	0.1988	1	1070.762	1.070762
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mari Bhindran PC	Doburji	2136.60	0.1983	1	1068.301	1.068301
Gujranwala	Nowshera Virkan	Budha Goraya QH	Khark PC	Khark	2121.83	0.1970	1	1060.916	1.060916
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Chak Bahlol	2120.60	0.1969	1	1060.301	1.060301
Gujranwala	Gujranwala Saddar	Eminabad QH	Nand Pur PC	Ajan Chak	2118.14	0.1966	1	1059.070	1.05907
Gujranwala	Wazirabad	Ali Pur Chattha QH	Fateh Pur PC	Dhilwan	2100.91	0.1950	1	1050.455	1.050455
Gujranwala	Kamoke	Mandiala Tegha QH	Sakhana PC	Sakhana	2099.68	0.1949	1	1049.839	1.049839
Gujranwala	Nowshera Virkan	Budha Goraya QH	Bopra Kalan PC	Bopra Khurd	2099.68	0.1949	1	1049.839	1.049839
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Mandiala Mir Shikaran PC	Misri Maini	2093.53	0.1943	1	1046.763	1.046763
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Salehpur	2087.37	0.1938	1	1043.686	1.043686
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Shehni Wala	2076.29	0.1928	1	1038.147	1.038147
Gujranwala	Nowshera Virkan	Nokhar QH	Dera Shah Jamal PC	Qila Majja Singh	2076.29	0.1928	1	1038.147	1.038147
Gujranwala	Kamoke	Mandiala Tegha QH	Hyderabad PC	Hyderabad (Thatta Gulab	2067.68	0.1920	1	1033.840	1.03384
Gujranwala	Wazirabad	Wazirabad City No I QH	Behram PC	Behram	2067.68	0.1920	1	1033.840	1.03384

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Gujranwala	Gujranwala Saddar	Eminabad QH	Tatle Mali PC	Nangrey	2065.22	0.1917	1	1032.609	1.032609
Gujranwala	Nowshera Virkan	Budha Goraya QH	Sadho Goraya PC	Mahia	2065.22	0.1917	1	1032.609	1.032609
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Bhaddar	2063.99	0.1916	1	1031.993	1.031993
Gujranwala	Gujranwala Saddar	Eminabad QH	Tatle Mali PC	Kotli Mano Sindhu	2056.60	0.1909	1	1028.301	1.028301
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kaulo Wala PC	Lala Pur	2046.76	0.1900	1	1023.378	1.023378
Gujranwala	Kamoke	Gunna Aur QH	Wahlian Wali PC	Wahlian Wali	2041.83	0.1896	1	1020.917	1.020917
Gujranwala	Kamoke	Mandiala Tegha QH	Thapnala PC	Thapnala	2034.45	0.1889	1	1017.224	1.017224
Gujranwala	Wazirabad	Hardo Warpal QH	Harchoki PC	Kot Kalian Wala	2034.45	0.1889	1	1017.224	1.017224
Gujranwala	Wazirabad	Jamke Chatha QH	Pindori Kalan PC	Pindori Khurd	2033.22	0.1888	1	1016.609	1.016609
Gujranwala	Kamoke	Wahndo QH	Shadi Khan Wala PC	Kallu	2015.99	0.1872	1	1007.994	1.007994
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Kot Shah Muhammad PC	Nihalu Chak	2015.99	0.1872	1	1007.994	1.007994
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baloki PC	Baloki	2013.53	0.1869	1	1006.763	1.006763
Gujranwala	Kamoke	Kamoke QH	Qila Ghanda PC	Khokhar Bhudu	2011.06	0.1867	1	1005.532	1.005532
Gujranwala	Kamoke	Gunna Aur QH	Chandala PC	Shergarh Kalan	2004.91	0.1861	1	1002.455	1.002455
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Dho Neke PC	Bhagwan Pura	4.92	0.0005	1	2.462	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Feroz Wala PC	Kot Mehmad	30.77	0.0029	1	15.385	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Thatha Faqir Ullah PC	Mani Pura	39.38	0.0037	1	19.692	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Kot Shah Muhammad PC	Arazi Aziz Chak	39.38	0.0037	1	19.692	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Hazrat Kailianwala PC	Kot Nawan	45.54	0.0042	1	22.769	1
Gujranwala	Wazirabad	Jamke Chatha QH	Kot Ratta PC	Garhi Ghullah	46.77	0.0043	1	23.384	1
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Chak Marali	48.00	0.0045	1	24.000	1
Gujranwala	Kamoke	Gunna Aur QH	Wahlian Wali PC	Uthwal	61.54	0.0057	1	30.769	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Ado Rai (Qila Nohu Singh) PC	Rakh Sarnian Wali	71.38	0.0066	1	35.692	1
Gujranwala	Wazirabad	Hardo Warpal QH	Bhuman Bath PC	Kotli Kahlwan	83.69	0.0078	1	41.846	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Baqa Pur	86.15	0.0080	1	43.077	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mangoki PC	Rakh Miro Maswani	115.69	0.0107	1	57.846	1

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Gujranwala	Kamoke	Kamoke QH	Kamoke (Rural) PC	Kot Hari Chand	151.38	0.0141	1	75.692	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Maharajke PC	Chhani Lak	162.46	0.0151	1	81.230	1
Gujranwala	Wazirabad	Hardo Warpal QH	Harchoki PC	Kot Saidan	168.61	0.0157	1	84.307	1
Gujranwala	Kamoke	Kamoke QH	Ashrifabad (Santpura) PC	Akber Abad	172.31	0.0160	1	86.153	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Mansur Wali PC	Chak Kotohar	176.00	0.0163	1	87.999	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Naiwala PC	Kotli Miani	177.23	0.0165	1	88.615	1
Gujranwala	Kamoke	Kamoke QH	Bharoke Virkan PC	Kotli Wagha	182.15	0.0169	1	91.076	1
Gujranwala	Kamoke	Mandiala Tegha QH	Sakhana PC	Inayatpur	193.23	0.0179	1	96.615	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Hardo Ratali PC	Harpal Bhatti	194.46	0.0181	1	97.230	1
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Dhapai	217.84	0.0202	1	108.922	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chahal Kohna PC	Kot Bola	228.92	0.0213	1	114.461	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Mansur Wali PC	Kot Kahlwan	238.77	0.0222	1	119.384	1
Gujranwala	Wazirabad	Jamke Chatha QH	Hussain Pura (Char Yari) PC	Char Yari (Hussain Pura)	238.77	0.0222	1	119.384	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Ghri Mehmat Singh	260.92	0.0242	1	130.461	1
Gujranwala	Kamoke	Kamoke QH	Ashrifabad (Santpura) PC	Tarar	273.23	0.0254	1	136.615	1
Gujranwala	Kamoke	Kamoke QH	Herpoki PC	Sarai	288.00	0.0267	1	143.999	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bucha Chatha PC	Pathan Wali	296.61	0.0275	1	148.307	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Tahli Wala PC	Kot Nathu	302.77	0.0281	1	151.384	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bharoop Garh PC	Manga	305.23	0.0283	1	152.614	1
Gujranwala	Kamoke	Mandiala Tegha QH	Sakhana PC	Satto	318.77	0.0296	1	159.384	1
Gujranwala	Kamoke	Mandiala Tegha QH	Nadha PC	Kotli Aime	353.23	0.0328	1	176.614	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Haigar PC	Jodh Pur	354.46	0.0329	1	177.230	1
Gujranwala	Kamoke	Wahndo QH	Dhrang PC	Kotli Gujran	360.61	0.0335	1	180.307	1
Gujranwala	Wazirabad	Gakhhar QH	Nat Kalan PC	Kotli Mangu Singh	371.69	0.0345	1	185.845	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Lawari Wala PC	Manewala	371.69	0.0345	1	185.845	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Akal Garh PC	Rakh Bawli	372.92	0.0346	1	186.460	1

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Gujranwala	Kamoke	Wahndo QH	Sandrana PC	Dheram Kot	379.07	0.0352	1	189.537	1
Gujranwala	Nowshera Virkan	Nokhar QH	Thabal PC	Qila Chanda Singh	379.07	0.0352	1	189.537	1
Gujranwala	Wazirabad	Jamke Chatha QH	Pindori Kalan PC	Chhanwan	382.77	0.0355	1	191.383	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Ransi Wali	386.46	0.0359	1	193.230	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Dehr Virkan PC	Launke	391.38	0.0363	1	195.691	1
Gujranwala	Wazirabad	Hardo Warpal QH	Ghhia Wala PC	Malan Wali	397.54	0.0369	1	198.768	1
Gujranwala	Kamoke	Wahndo QH	Kotli Nawab Sadullah Khan PC	Sahanke	402.46	0.0374	1	201.229	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kot Mari PC	Bhund	420.92	0.0391	1	210.460	1
Gujranwala	Kamoke	Wahndo QH	Gullo Ke PC	Shadi Metta	422.15	0.0392	1	211.076	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Kala	427.07	0.0396	1	213.537	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Gajar Gola PC	Sardar Pur Sehgal	446.77	0.0415	1	223.383	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Maharajke PC	Chhani Wali Dad	448.00	0.0416	1	223.999	1
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Chak Mahi	452.92	0.0420	1	226.460	1
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Hayat Pura	454.15	0.0422	1	227.075	1
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Kot Lajja Ram	459.07	0.0426	1	229.537	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Nur Pur PC	Nur Pur	460.30	0.0427	1	230.152	1
Gujranwala	Kamoke	Kamoke QH	Malke PC	Dhang	481.23	0.0447	1	240.614	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Bole	481.23	0.0447	1	240.614	1
Gujranwala	Kamoke	Kamoke QH	Herpoki PC	Dhattal	482.46	0.0448	1	241.229	1
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Bhelo Wali	482.46	0.0448	1	241.229	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Gunian Wala PC	Ratti	493.54	0.0458	1	246.768	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Sahanke PC	Thatti Dasundhi	500.92	0.0465	1	250.460	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Beanka Cheema PC	Kalu Wali	503.38	0.0467	1	251.691	1
Gujranwala	Nowshera Virkan	Nokhar QH	Dera Shah Jamal PC	Qila Bhayyan	514.46	0.0478	1	257.229	1
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Kotli Isa	523.07	0.0486	1	261.537	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Targa	530.46	0.0492	1	265.229	1
Gujranwala	Wazirabad	Hardo Warpal QH	Farm Jhakanwali	Bangwan	532.92	0.0495	1	266.460	1

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Gujranwala	Wazirabad	Wazirabad City No I QH	Lawari Wala PC	Diwan Kot	532.92	0.0495	1	266.460	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Mahad Pur	535.38	0.0497	1	267.691	1
Gujranwala	Kamoke	Mandiala Tegha QH	Nadha PC	Kotli Baray Khan(Kotli In	537.84	0.0499	1	268.921	1
Gujranwala	Wazirabad	Jamke Chatha QH	Thatti Baloch PC	Faqiran Wali Kalan	569.84	0.0529	1	284.921	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Veroke PC	Khasra	571.07	0.0530	1	285.537	1
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Nodhan PC	Chak Umar	573.53	0.0532	1	286.767	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Argan PC	Gohri	577.23	0.0536	1	288.614	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Qila Sujan Singh	583.38	0.0542	1	291.690	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Mansur Wali PC	Chak Ali Sher	592.00	0.0550	1	295.998	1
Gujranwala	Nowshera Virkan	Nokhar QH	Chabba Sandhwan PC	Godha	594.46	0.0552	1	297.229	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baddo Ratta PC	Goraya	595.69	0.0553	1	297.844	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bharoop Garh PC	Kartar Pur Khurd	595.69	0.0553	1	297.844	1
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Dheng Wali	596.92	0.0554	1	298.460	1
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Qila Sangian	599.38	0.0556	1	299.690	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Haigar PC	Madni Pur	601.84	0.0559	1	300.921	1
Gujranwala	Wazirabad	Jamke Chatha QH	Hussain Pura (Char Yari) PC	Burj Manchar	606.77	0.0563	1	303.383	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Beanka Cheema PC	Dhapa	610.46	0.0567	1	305.229	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Behram PC	Kot Nawan	631.38	0.0586	1	315.690	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Pathanki PC	Jagna	640.00	0.0594	1	319.998	1
Gujranwala	Kamoke	Kamoke QH	Qila Ghanda PC	Khangura	658.46	0.0611	1	329.229	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Mahesian PC	Thtta Khukharan	668.30	0.0620	1	334.152	1
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Dheram Kot	668.30	0.0620	1	334.152	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Thatta Manak PC	Kahlwan	670.76	0.0623	1	335.382	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Ahmad Nagar PC	Ghari Doggar	672.00	0.0624	1	335.998	1
Gujranwala	Kamoke	Mandiala Tegha QH	Jabboke PC	Fazalpur	674.46	0.0626	1	337.229	1
Gujranwala	Wazirabad	Jamke Chatha QH	Jamke Chatha PC	Lund Pur (Ramke)	684.30	0.0635	1	342.152	1

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Gujranwala	Nowshera Virkan	Nokhar QH	Theri Gillan PC	Dhapai Basakha Singh	689.23	0.0640	1	344.613	1
Gujranwala	Kamoke	Wahndo QH	Dhrang PC	Thatta Dasa Singh	691.69	0.0642	1	345.844	1
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Bale Wala PC	Kotli Bakha	692.92	0.0643	1	346.459	1
Gujranwala	Kamoke	Kamoke QH	Malke PC	Lumbra	692.92	0.0643	1	346.459	1
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Talwandi Khajurwali PC	Gajjo Chak	695.38	0.0646	1	347.690	1
Gujranwala	Kamoke	Wahndo QH	Sandrana PC	Rahimpur	699.07	0.0649	1	349.536	1
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Tokri	702.76	0.0652	1	351.382	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Kot Hara PC	Burj Tasha	705.23	0.0655	1	352.613	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Botiwali	706.46	0.0656	1	353.229	1
Gujranwala	Kamoke	Wahndo QH	Kotli Nawab Sadullah Khan PC	Baghwala	710.15	0.0659	1	355.075	1
Gujranwala	Wazirabad	Jamke Chatha QH	Dharo Wal PC	Kot Imam Bakhsh	713.84	0.0663	1	356.921	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Khawasra PC	Qila Deso Singh	722.46	0.0671	1	361.228	1
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Upal Muslim	722.46	0.0671	1	361.228	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Mahil	744.61	0.0691	1	372.305	1
Gujranwala	Kamoke	Wahndo QH	Gullo Ke PC	Duggal	745.84	0.0692	1	372.921	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Botala Sardar Jhanda Singh PC	Kotli Lakha	759.38	0.0705	1	379.690	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Kot Shah Muhammad PC	Arainan Wala	761.84	0.0707	1	380.921	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Ghakke Meeter PC	Kot Mir	768.00	0.0713	1	383.998	1
Gujranwala	Kamoke	Wahndo QH	Gullo Ke PC	Kotli Maqbra	769.23	0.0714	1	384.613	1
Gujranwala	Wazirabad	Gakhhar QH	Wayan Wali PC	Garap Garh	770.46	0.0715	1	385.228	1
Gujranwala	Wazirabad	Gakhhar QH	Wayan Wali PC	Punjgarain	771.69	0.0716	1	385.844	1
Gujranwala	Wazirabad	Gakhhar QH	Darweshke PC	Chak Sada	772.92	0.0718	1	386.459	1
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Bharar	779.07	0.0723	1	389.536	1
Gujranwala	Kamoke	Wahndo QH	Sandrana PC	Dhodke	780.30	0.0724	1	390.151	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Changan Wali	785.23	0.0729	1	392.613	1
Gujranwala	Wazirabad	Hardo Warpal QH	Hardo Warpal PC	Sher Pur	788.92	0.0732	1	394.459	1

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Gujranwala	Wazirabad	Wazirabad City No I QH	Tahli Wala PC	Patoke	788.92	0.0732	1	394.459	1
Gujranwala	Kamoke	Kamoke QH	Ghhanian PC	Qadian Puniach(Usman Nag	790.15	0.0734	1	395.074	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Talwandi Musa Khan PC	Hoiwali	795.07	0.0738	1	397.536	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Chak Joiya PC	Ghazi Pur	798.76	0.0742	1	399.382	1
Gujranwala	Kamoke	Mandiala Tegha QH	Mandiala Tegha PC	Chak Waraich	804.92	0.0747	1	402.459	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Khabeke PC	Kot Asaish	808.61	0.0751	1	404.305	1
Gujranwala	Kamoke	Gunna Aur QH	Wahlian Wali PC	Sanopur	808.61	0.0751	1	404.305	1
Gujranwala	Nowshera Virkan	Nokhar QH	Theri Gillan PC	Kot Chand	822.15	0.0763	1	411.074	1
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Bale Wala PC	Khakheke	825.84	0.0767	1	412.920	1
Gujranwala	Kamoke	Gunna Aur QH	Wahlian Wali PC	Kot Sheikhu	836.92	0.0777	1	418.459	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Dehr Virkan PC	Bathan Wala	836.92	0.0777	1	418.459	1
Gujranwala	Wazirabad	Hardo Warpal QH	Kalaski PC	Kot Bangas	836.92	0.0777	1	418.459	1
Gujranwala	Wazirabad	Jamke Chatha QH	Pindori Kalan PC	Dharam Kot	844.30	0.0784	1	422.151	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Tahli Wala PC	Naharke	850.46	0.0790	1	425.228	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Dehr Virkan PC	Bawre Piara	852.92	0.0792	1	426.459	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Lashakry Pur	854.15	0.0793	1	427.074	1
Gujranwala	Nowshera Virkan	Nokhar QH	Jahlan PC	Thatta Rajian	857.84	0.0796	1	428.920	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Botala Sardar Jhanda Singh PC	Bhahlad Pur	859.07	0.0798	1	429.536	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Melo Wala PC	Thatta Panj Hattan	860.30	0.0799	1	430.151	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Hardo Ratali PC	Dipepur	860.30	0.0799	1	430.151	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Kotli Mallian	861.53	0.0800	1	430.766	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Marufabad	861.53	0.0800	1	430.766	1
Gujranwala	Kamoke	Gunna Aur QH	Allahabad(Nangaldun a Singh)PC	Manjpur	863.99	0.0802	1	431.997	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Pirthi Pur (Fazil Abad)	867.69	0.0806	1	433.843	1
Gujranwala	Kamoke	Wahndo QH	Gurali PC	Jabbo Ke	870.15	0.0808	1	435.074	1

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Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Kot Das Raj	871.38	0.0809	1	435.690	1
Gujranwala	Wazirabad	Jamke Chatha QH	Jham Wala PC	Kalair	871.38	0.0809	1	435.690	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Maharajke PC	Khojian Wala	876.30	0.0814	1	438.151	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Ghumman Wala PC	Pindorian	879.99	0.0817	1	439.997	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Bariar	879.99	0.0817	1	439.997	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Gopi Rai	884.92	0.0822	1	442.459	1
Gujranwala	Wazirabad	Gakhhar QH	Wayan Wali PC	Chak Pathan	887.38	0.0824	1	443.689	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Chhananwan	891.07	0.0827	1	445.536	1
Gujranwala	Kamoke	Gunna Aur QH	Pul Shah Daula PC	Hayte	892.30	0.0828	1	446.151	1
Gujranwala	Kamoke	Wahndo QH	Rana PC	Sech	893.53	0.0829	1	446.766	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Kot Shah Muhammad PC	Kot Shah Muhammad	893.53	0.0829	1	446.766	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Haigar PC	Qila Dev	894.76	0.0831	1	447.382	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baloki PC	Mahar	900.92	0.0836	1	450.459	1
Gujranwala	Kamoke	Kamoke QH	Mandiala Puniach PC	Peelo	903.38	0.0839	1	451.689	1
Gujranwala	Kamoke	Gunna Aur QH	Chandala PC	Shergarh Khurd	904.61	0.0840	1	452.305	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Abid Abad PC	Chak Ayah	909.53	0.0844	1	454.766	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Talwandi Musa Khan PC	Gandu	910.76	0.0845	1	455.382	1
Gujranwala	Kamoke	Wahndo QH	Saib PC	Ludar	911.99	0.0847	1	455.997	1
Gujranwala	Kamoke	Wahndo QH	Dhrang PC	Tong Oncha	920.61	0.0855	1	460.305	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Daulowali Wiran	921.84	0.0856	1	460.920	1
Gujranwala	Wazirabad	Jamke Chatha QH	Thatti Baloch PC	Burj Dhalla	924.30	0.0858	1	462.151	1
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Kotli Pakki	925.53	0.0859	1	462.766	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Sech	926.76	0.0860	1	463.382	1
Gujranwala	Kamoke	Wahndo QH	Shadi Khan Wala PC	Shadi Khan Wala	927.99	0.0861	1	463.997	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Fatehki PC	Chak Ghosia	935.38	0.0868	1	467.689	1
Gujranwala	Kamoke	Gunna Aur QH	Tamboli PC	Kot Qazi	942.76	0.0875	1	471.382	1

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Gujranwala	Kamoke	Wahndo QH	Saboke PC	Saboke	956.30	0.0888	1	478.151	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Bejomul	958.76	0.0890	1	479.382	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nandi Pur PC	Kotla Tappa	963.69	0.0895	1	481.843	1
Gujranwala	Wazirabad	Jamke Chatha QH	Thatti Baloch PC	Burj Cheema	963.69	0.0895	1	481.843	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Naiwala PC	Aulakh	966.15	0.0897	1	483.074	1
Gujranwala	Wazirabad	Jamke Chatha QH	Hussain Pura (Char Yari) PC	Thoinian	969.84	0.0900	1	484.920	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mangoki PC	Kurar	973.53	0.0904	1	486.766	1
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Sahdan Wali	973.53	0.0904	1	486.766	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Mahesian PC	Mahesian	983.38	0.0913	1	491.689	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nadala PC	Ramke	985.84	0.0915	1	492.920	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Mokhal PC	Babban	995.69	0.0924	1	497.843	1
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Qila Jaggo	1000.61	0.0929	1	500.305	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bharoop Garh PC	Chhani Murid	1000.61	0.0929	1	500.305	1
Gujranwala	Wazirabad	Gakhhar QH	Jandiala Dhabwala PC	Bure Wali	1004.30	0.0932	1	502.151	1
Gujranwala	Kamoke	Mandiala Tegha QH	Jabboke PC	Chak Ramdass Purana (Al	1011.69	0.0939	1	505.843	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Dheriwal PC	Kotli Mahil	1021.53	0.0948	1	510.766	1
Gujranwala	Kamoke	Gunna Aur QH	Machhrala PC	Nassoke	1021.53	0.0948	1	510.766	1
Gujranwala	Kamoke	Mandiala Tegha QH	Nadha PC	Rangle	1030.15	0.0956	1	515.074	1
Gujranwala	Wazirabad	Hardo Warpal QH	Dargahi Wala PC	Nadala Pucca	1030.15	0.0956	1	515.074	1
Gujranwala	Nowshera Virkan	Nokhar QH	Nur Pur PC	Philoki Khurd	1031.38	0.0957	1	515.689	1
Gujranwala	Kamoke	Gunna Aur QH	Pul Shah Daula PC	Munder	1032.61	0.0959	1	516.304	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chahal Kohna PC	Thatta Basau	1036.30	0.0962	1	518.151	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Tatle Mali PC	Ladhar	1038.76	0.0964	1	519.381	1
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Shetti Weran	1047.38	0.0972	1	523.689	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Kot Hara PC	Chaharke	1047.38	0.0972	1	523.689	1
Gujranwala	Wazirabad	Gakhhar QH	Adilgarh PC	Dhilwan	1054.76	0.0979	1	527.381	1

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Gujranwala	Gujranwala Saddar	Eminabad QH	Kiranwali PC	Kot Bhutta	1055.99	0.0980	1	527.997	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mangoki PC	Qasimpur	1068.30	0.0992	1	534.150	1
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Nodhan PC	Naukarian	1079.38	0.1002	1	539.689	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Tahli Wala PC	Ram Garh	1079.38	0.1002	1	539.689	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Karial Khurd PC	Sadhoke	1080.61	0.1003	1	540.304	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Khark PC	Kotli Mansu	1085.53	0.1008	1	542.766	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Ladhewala PC	Saide Wali	1086.76	0.1009	1	543.381	1
Gujranwala	Kamoke	Wahndo QH	Mirza Pur PC	Chakian Kalan	1087.99	0.1010	1	543.997	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Khewa Duggal	1089.22	0.1011	1	544.612	1
Gujranwala	Wazirabad	Jamke Chatha QH	Saroki PC	Faqiranwali Khurd	1090.45	0.1012	1	545.227	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Dhapai Amir Singh	1105.22	0.1026	1	552.612	1
Gujranwala	Kamoke	Kamoke QH	Bharoke Virkan PC	Salar	1106.45	0.1027	1	553.227	1
Gujranwala	Wazirabad	Gakhhar QH	Bagarian Kohna PC	Dodhanwali Khurd	1113.84	0.1034	1	556.920	1
Gujranwala	Kamoke	Kamoke QH	Qila Ghanda PC	Kotli Gul Muhammad	1115.07	0.1035	1	557.535	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Qila Didar Singh PC	Kamon Malhi	1119.99	0.1040	1	559.996	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Chak Chaudhri PC	Chak Chohar	1119.99	0.1040	1	559.996	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Khark PC	Hardo Kullewala	1123.69	0.1043	1	561.843	1
Gujranwala	Wazirabad	Hardo Warpal QH	Dargahi Wala PC	Dhapai Mehtab Singh	1128.61	0.1048	1	564.304	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Melo Wala PC	Thatta Chilwa	1131.07	0.1050	1	565.535	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Ladheki	1137.22	0.1056	1	568.612	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Khawasra PC	Kot Metla	1148.30	0.1066	1	574.150	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Fateh Pur PC	Fateh Pur	1149.53	0.1067	1	574.766	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Sahanke PC	Bal	1151.99	0.1069	1	575.996	1
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Bakhshish Pura	1154.45	0.1072	1	577.227	1
Gujranwala	Wazirabad	Jamke Chatha QH	Salloke PC	Kot Bela	1154.45	0.1072	1	577.227	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Mahesian PC	Kot Karam Chand	1158.15	0.1075	1	579.073	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Behram PC	Ranan	1159.38	0.1076	1	579.689	1

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Gujranwala	Nowshera Virkan	Naushera Virkan QH	Jogi Wala PC	Poohla	1160.61	0.1077	1	580.304	1
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Kotli Nagra	1175.38	0.1091	1	587.689	1
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Jalal PC	Chandarke	1180.30	0.1096	1	590.150	1
Gujranwala	Wazirabad	Hardo Warpal QH	Kalaski PC	Kot Qazi	1182.76	0.1098	1	591.381	1
Gujranwala	Kamoke	Wahndo QH	Kali PC	Thatta Rao	1198.76	0.1113	1	599.381	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Nand Pur PC	Marewain Khurd	1201.22	0.1115	1	600.612	1
Gujranwala	Wazirabad	Hardo Warpal QH	Wazir Ke Chatha PC	Qila Bagh Singh	1204.92	0.1119	1	602.458	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Sadho Goraya PC	Abbdullah Pur	1218.45	0.1131	1	609.227	1
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Palang Pur	1222.15	0.1135	1	611.073	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Tahli Wala PC	Tahli Wala	1223.38	0.1136	1	611.688	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Abdul Fateh Wali PC	Allu Shehdev	1233.22	0.1145	1	616.611	1
Gujranwala	Kamoke	Wahndo QH	Kotli Nawab Sadullah Khan PC	Kotli Nau	1234.45	0.1146	1	617.227	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chahal Kohna PC	Chahal Nau	1236.92	0.1148	1	618.458	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Kot Jafar PC	Gurali	1244.30	0.1155	1	622.150	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Doghran Wala PC	Kot Amar Singh	1246.76	0.1157	1	623.381	1
Gujranwala	Nowshera Virkan	Nokhar QH	Hamboke PC	Budha Chandu	1252.92	0.1163	1	626.458	1
Gujranwala	Wazirabad	Hardo Warpal QH	Bhuman Bath PC	Sal	1256.61	0.1167	1	628.304	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Botala Sardar Jhanda Singh PC	Khaliq Pur	1263.99	0.1173	1	631.996	1
Gujranwala	Nowshera Virkan	Nokhar QH	Theri Gillan PC	Kot Jiwa	1265.22	0.1175	1	632.611	1
Gujranwala	Kamoke	Wahndo QH	Sandrana PC	Sandrana	1270.15	0.1179	1	635.073	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Jokhian PC	Ajitke	1270.15	0.1179	1	635.073	1
Gujranwala	Kamoke	Wahndo QH	Dhrang PC	Chak Ala-Ud-Din	1271.38	0.1180	1	635.688	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Cheleke	1281.22	0.1189	1	640.611	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kot Mari PC	Kot Mari	1283.68	0.1192	1	641.842	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Trawanian PC	Trawanian	1284.91	0.1193	1	642.457	1
Gujranwala	Wazirabad	Hardo Warpal QH	Kalaski PC	Ghari Galla	1294.76	0.1202	1	647.380	1

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Gujranwala	Wazirabad	Ahmad Nagar QH	Mansur Wali PC	Raniki	1298.45	0.1205	1	649.227	1
Gujranwala	Gujranwala Saddar	Talwandi Rahawali QH	Tarigri PC	Samrai	1309.53	0.1216	1	654.765	1
Gujranwala	Kamoke	Gunna Aur QH	Allahabad(Nangaldun a Singh)PC	Chakki Khurd	1315.68	0.1221	1	657.842	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Qila Didar Singh PC	Qila Sardar Jhanda Singh	1316.91	0.1223	1	658.457	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Wandala Virkan	1326.76	0.1232	1	663.380	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Attawa PC	Musa Pur	1327.99	0.1233	1	663.996	1
Gujranwala	Kamoke	Mandiala Tegha QH	Mandiala Tegha PC	Kotli Mutwallian	1329.22	0.1234	1	664.611	1
Gujranwala	Wazirabad	Jamke Chatha QH	Jamke Chatha PC	Bara Pind	1330.45	0.1235	1	665.227	1
Gujranwala	Nowshera Virkan	Nokhar QH	Chak Bahlol PC	Thatta Kutba	1332.91	0.1237	1	666.457	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Lande	1336.61	0.1241	1	668.303	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Chak Joiya PC	Pandu Pur	1355.07	0.1258	1	677.534	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Botala Sharam Singh PC	Akbarian	1359.99	0.1263	1	679.996	1
Gujranwala	Kamoke	Wahndo QH	Shadi Khan Wala PC	Kuri Kot	1369.84	0.1272	1	684.919	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mari Bhindran PC	Chak Sadu	1369.84	0.1272	1	684.919	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Mangoki PC	Chak Pakhar	1371.07	0.1273	1	685.534	1
Gujranwala	Gujranwala Saddar	Eminabad QH	Nand Pur PC	Marewain Kalan	1372.30	0.1274	1	686.149	1
Gujranwala	Nowshera Virkan	Nokhar QH	Dera Shah Jamal PC	Phokar Pur	1373.53	0.1275	1	686.765	1
Gujranwala	Wazirabad	Hardo Warpal QH	Wazir Ke Chatha PC	Kot Dewal	1374.76	0.1276	1	687.380	1
Gujranwala	Wazirabad	Hardo Warpal QH	Noian Wala PC	Kot Ali	1375.99	0.1277	1	687.996	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Siran Wali	1377.22	0.1279	1	688.611	1
Gujranwala	Wazirabad	Hardo Warpal QH	Ghhia Wala PC	Beegha	1379.68	0.1281	1	689.842	1
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Tunganwali	1380.91	0.1282	1	690.457	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Chak Jaid	1395.68	0.1296	1	697.842	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Jandan Wala PC	Jurai	1395.68	0.1296	1	697.842	1
Gujranwala	Kamoke	Mandiala Tegha QH	Chak Ram Dass Nau PC	Baqa Pur	1404.30	0.1304	1	702.149	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Shamsa Dhadda PC	Chachoke	1404.30	0.1304	1	702.149	1

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Gujranwala	Wazirabad	Wazirabad City No I QH	Lawari Wala PC	Hari Pur	1404.30	0.1304	1	702.149	1
Gujranwala	Kamoke	Mandiala Tegha QH	Mandiala Tegha PC	Chak Gillan	1407.99	0.1307	1	703.996	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Babbar PC	Rukhe	1410.45	0.1309	1	705.226	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Tatle Aali PC	Jahan Shah	1417.84	0.1316	1	708.919	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Dhido Duggal	1422.76	0.1321	1	711.380	1
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Upal Sanse	1437.53	0.1335	1	718.765	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Kot Mari PC	Chak Rajada	1437.53	0.1335	1	718.765	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chak Jaid PC	Bawara Dhak Walo	1438.76	0.1336	1	719.380	1
Gujranwala	Kamoke	Kamoke QH	Darga Pur PC	Kot Dhanpat (Madina Pur)	1438.76	0.1336	1	719.380	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Dehr Virkan PC	Pipli Goraya	1443.68	0.1340	1	721.842	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Daulowali Abad	1451.07	0.1347	1	725.534	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Chak Rehan PC	Upal Jagir	1454.76	0.1351	1	727.380	1
Gujranwala	Kamoke	Mandiala Tegha QH	Dhensar Pain PC	Khot	1460.91	0.1356	1	730.457	1
Gujranwala	Wazirabad	Hardo Warpal QH	Kalaski PC	Kot Paroya	1463.38	0.1359	1	731.688	1
Gujranwala	Kamoke	Wahndo QH	Saib PC	Nat	1464.61	0.1360	1	732.303	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Abdul Fateh Wali PC	Rajab Chak	1464.61	0.1360	1	732.303	1
Gujranwala	Wazirabad	Gakhhar QH	Kot Nura PC	Dhab Cheema	1465.84	0.1361	1	732.918	1
Gujranwala	Wazirabad	Jamke Chatha QH	Jamke Chatha PC	Dhapai Hasanwali	1469.53	0.1364	1	734.765	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Sahanke PC	Kaluwali	1473.22	0.1368	1	736.611	1
Gujranwala	Wazirabad	Hardo Warpal QH	Harchoki PC	Pheroke	1473.22	0.1368	1	736.611	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Trawanian PC	Aminpur	1474.45	0.1369	1	737.226	1
Gujranwala	Kamoke	Mandiala Tegha QH	Nadha PC	Taunge Bucha	1478.14	0.1372	1	739.072	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Argan PC	Dhillu Basha	1480.61	0.1375	1	740.303	1
Gujranwala	Wazirabad	Jamke Chatha QH	Mandiala Chatha PC	Hardo Jioka	1480.61	0.1375	1	740.303	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Pathanki PC	Kalu Cheema	1484.30	0.1378	1	742.149	1
Gujranwala	Nowshera Virkan	Nokhar QH	Chabba Sandhwan PC	Kalsian	1485.53	0.1379	1	742.765	1

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Gujranwala	Kamoke	Mandiala Tegha QH	Chak Ram Dass Nau PC	Chak Ram Dass Nau	1486.76	0.1380	1	743.380	1
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Matwan	1490.45	0.1384	1	745.226	1
Gujranwala	Kamoke	Mandiala Tegha QH	Shehni Wala PC	Kotli Bagha	1497.84	0.1390	1	748.918	1
Gujranwala	Kamoke	Kamoke QH	Mustafabad PC	Raja Bhalla	1508.91	0.1401	1	754.457	1
Gujranwala	Kamoke	Mandiala Tegha QH	Jabboke PC	Hameedpur Khurd	1535.99	0.1426	1	767.995	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nandi Pur PC	Nandi Pur	1539.68	0.1429	1	769.841	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Randhiar PC	Kuthiali	1553.22	0.1442	1	776.610	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Jandan Wala PC	Dharan Dian	1570.45	0.1458	1	785.226	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Kot Yousaf	1577.84	0.1465	1	788.918	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Jandan Wala PC	Jandan Wala	1579.07	0.1466	1	789.533	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Chak Joiya PC	Tohar	1592.61	0.1478	1	796.303	1
Gujranwala	Wazirabad	Wazirabad City No I QH	Ghakke Meeter PC	Kotla Piran	1592.61	0.1478	1	796.303	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Pathanki PC	Pir Kot	1597.53	0.1483	1	798.764	1
Gujranwala	Nowshera Virkan	Nokhar QH	Nur Pur PC	Machharan Wali	1599.99	0.1485	1	799.995	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Kot Bhawani Dass PC	Chak Beg	1602.45	0.1488	1	801.226	1
Gujranwala	Kamoke	Mandiala Tegha QH	Hameedpur Kalan PC	Kot Kirpa Ram	1604.91	0.1490	1	802.456	1
Gujranwala	Wazirabad	Jamke Chatha QH	Jham Wala PC	Jati Shah Rehman	1604.91	0.1490	1	802.456	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Kot Purian PC	Bharaian	1609.84	0.1494	1	804.918	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Nadala PC	Rahmat Abad (Ram Garh)	1618.45	0.1502	1	809.226	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Khan Muslaman PC	Saprai	1618.45	0.1502	1	809.226	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Chahal Kohna PC	Qila Wazir Singh	1625.84	0.1509	1	812.918	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Dehr Virkan PC	Dehr Virkan	1630.76	0.1514	1	815.379	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bucha Chatha PC	Kot Mehar Ali	1633.22	0.1516	1	816.610	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Abid Abad PC	Wadhawan	1636.91	0.1520	1	818.456	1
Gujranwala	Wazirabad	Hardo Warpal QH	Dhalla Chatha PC	Bure Wali	1641.84	0.1524	1	820.918	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Hairan Wala Khurd	1643.07	0.1525	1	821.533	1

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Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Naddu Sarai PC	Bahmanian	1651.68	0.1533	1	825.841	1
Gujranwala	Kamoke	Wahndo QH	Kotli Nawab Sadullah Khan PC	Kot Mirza Jan	1657.84	0.1539	1	828.918	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Sainra Goraya PC	Qila Malla Singh	1661.53	0.1542	1	830.764	1
Gujranwala	Wazirabad	Gakhhar QH	Chaura PC	Chak San	1663.99	0.1545	1	831.995	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bharoop Garh PC	Kartar Pur Kalan	1668.91	0.1549	1	834.456	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Jogi Wala PC	Jogi Wala	1676.30	0.1556	1	838.149	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Rodala	1676.30	0.1556	1	838.149	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Panj Grian PC	Panjgrian	1681.22	0.1561	1	840.610	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Argan PC	Zafarabad	1686.14	0.1565	1	843.072	1
Gujranwala	Kamoke	Wahndo QH	Mirza Pur PC	Mirza Pur	1688.60	0.1568	1	844.302	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Abdul Fateh Wali PC	Abul Fateh Wali	1694.76	0.1573	1	847.379	1
Gujranwala	Wazirabad	Gakhhar QH	Sango Wali PC	Chak Roop Chand	1697.22	0.1576	1	848.610	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Panj Grian PC	Madan Chak	1719.37	0.1596	1	859.687	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lande PC	Shah Pur	1723.07	0.1600	1	861.533	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Ladhewala Goraya PC	Machhike Goraya	1729.22	0.1605	1	864.610	1
Gujranwala	Nowshera Virkan	Nokhar QH	Chabba Sandhwan PC	Jhalian Wala	1731.68	0.1608	1	865.841	1
Gujranwala	Wazirabad	Hardo Warpal QH	Harchoki PC	Harcho Ki	1734.14	0.1610	1	867.071	1
Gujranwala	Kamoke	Mandiala Tegha QH	Dhensar Pain PC	Sarai	1740.30	0.1616	1	870.148	1
Gujranwala	Wazirabad	Wazirabad City No Ii QH	Pathan Wali PC	Ismial Pura	1751.37	0.1626	1	875.687	1
Gujranwala	Kamoke	Gunna Aur QH	Sammon Bala PC	Kotli Dilbagh Rai	1761.22	0.1635	1	880.610	1
Gujranwala	Wazirabad	Hardo Warpal QH	Hardo Warpal PC	Rukan Pur	1761.22	0.1635	1	880.610	1
Gujranwala	Kamoke	Gunna Aur QH	Dholan PC	Mahay Chtta	1778.45	0.1651	1	889.225	1
Gujranwala	Nowshera Virkan	Nokhar QH	Dera Shah Jamal PC	Kot Lala	1778.45	0.1651	1	889.225	1
Gujranwala	Wazirabad	Ahmad Nagar QH	Khiwe Wali PC	Jiwane Wali	1784.60	0.1657	1	892.302	1
Gujranwala	Wazirabad	Jamke Chatha QH	Hussain Pura (Char Yari) PC	Kot Bhaga	1791.99	0.1664	1	895.994	1
Gujranwala	Kamoke	Gunna Aur QH	Sammon Bala PC	Sammon Wala	1793.22	0.1665	1	896.610	1

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Gujranwala	Wazirabad	Ahmad Nagar QH	Pathanki PC	Pathanki	1804.30	0.1675	1	902.148	1
Gujranwala	Kamoke	Gunna Aur QH	Wahlian Wali PC	Simbla	1809.22	0.1680	1	904.610	1
Gujranwala	Nowshera Virkan	Naushera Virkan QH	Baddo Ratta PC	Melo	1822.76	0.1692	1	911.379	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Attawa PC	Kot Hanif	1828.91	0.1698	1	914.456	1
Gujranwala	Wazirabad	Jamke Chatha QH	Thatti Baloch PC	Thatti Baloch	1841.22	0.1709	1	920.610	1
Gujranwala	Wazirabad	Gakhhar QH	Hairan Wala PC	Hairan Wala Kalan	1858.45	0.1725	1	929.225	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Kotli Machhran Wali PC	Thatta Rawan	1860.91	0.1728	1	930.456	1
Gujranwala	Nowshera Virkan	Nokhar QH	Aulakh Bhaike PC	Kot Abdul Malik	1875.68	0.1741	1	937.840	1
Gujranwala	Gujranwala Saddar	Talwandi Musa Khan QH	Trawanian PC	Doburji	1885.53	0.1750	1	942.763	1
Gujranwala	Wazirabad	Hardo Warpal QH	Bhuman Bath PC	Nat	1889.22	0.1754	1	944.609	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Gajar Gola PC	Gajar Gola	1891.68	0.1756	1	945.840	1
Gujranwala	Nowshera Virkan	Nokhar QH	Kot Nodhan PC	Kot Nodhan	1892.91	0.1757	1	946.456	1
Gujranwala	Wazirabad	Hardo Warpal QH	Noian Wala PC	Kot Fazla	1901.53	0.1765	1	950.763	1
Gujranwala	Nowshera Virkan	Chak Chaudhry QH	Thatta Manak PC	Manan Chak	1905.22	0.1769	1	952.609	1
Gujranwala	Gujranwala Saddar	Qila Didar Singh QH	Hardo Deorhi PC	Kot Shah Muhammad	1919.99	0.1782	1	959.994	1
Gujranwala	Kamoke	Kamoke QH	Qila Ghanda PC	Qila Ghanda	1924.91	0.1787	1	962.455	1
Gujranwala	Nowshera Virkan	Budha Goraya QH	Lanj PC	Ghaibi	1928.60	0.1790	1	964.302	1
Gujranwala	Wazirabad	Jamke Chatha QH	Kot Ratta PC	Kot Ratta	1950.76	0.1811	1	975.378	1
Gujranwala	Kamoke	Mandiala Tegha QH	Rajewala PC	Ballo Wali	1954.45	0.1814	1	977.225	1
Gujranwala	Kamoke	Kamoke QH	Ahmad Pur Virkan PC	Qiam Pur	1959.37	0.1819	1	979.686	1
Gujranwala	Kamoke	Wahndo QH	Saib PC	Saib	1963.06	0.1822	1	981.532	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Madrsa PC	Madrsa	1963.06	0.1822	1	981.532	1
Gujranwala	Gujranwala Saddar	Gujranwala Sadar QH	Botala Sharam Singh PC	Qila Khazana	1982.76	0.1841	1	991.378	1
Gujranwala	Wazirabad	Ali Pur Chattha QH	Bucha Chatha PC	Bucha Chatha	1985.22	0.1843	1	992.609	1
Gujrat	Gujrat	Kunjah I QH	Mangowal Gharbi PC	Mongowal Gharbi	23918.80	6.6614	7	11959.401	6
Gujrat	Gujrat	Tanda Ii QH	Tanda PC	Tanda	20350.68	5.6677	6	10175.338	6

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Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Kotla Arab Ali Khan	13563.48	2.5183	3	6781.741	4
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Thikrian	12833.86	2.3828	3	6416.929	4
Gujrat	Gujrat	Gujrat-I QH	Sook Kalan PC	Sook Kalan	12784.17	2.3736	3	6392.083	4
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khohar PC	Khohar	12172.11	2.2600	3	6086.053	4
Gujrat	Gujrat	Tanda Ii QH	Sarakh Pur PC	Sarakh Pur	12106.66	2.2478	3	6053.329	4
Gujrat	Gujrat	Deonah I QH	Haria Wala PC	Hariawala	11854.56	2.2010	3	5927.281	3
Gujrat	Gujrat	Piroshah Ii QH	Karian Wala PC	Karianwalla	11612.16	2.1560	3	5806.081	3
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.I PC	Chikori Sher Ghazi	10744.37	1.9949	2	5372.186	3
Gujrat	Gujrat	Tanda I QH	Bhagowal Kalan PC	Bhagowal	10629.23	1.9735	2	5314.616	3
Gujrat	Gujrat	Daulat Nagar I QH	Daulat Nagar PC	Daulat Nagar	10602.57	1.9686	2	5301.284	3
Gujrat	Gujrat	Daulat Nagar Ii QH	Fatehpur PC	Fatehpur	10360.17	1.9235	2	5180.084	3
Gujrat	Kharian	Lala Musa I QH	Kotla Qasim Khan PC	Kotla Qasim Khan	10217.15	1.8970	2	5108.576	3
Gujrat	Gujrat	Deonah Ii QH	Saroke PC	Saroke	10042.62	1.8646	2	5021.312	3
Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Hajiwala	9961.42	1.3871	2	4980.710	3
Gujrat	Gujrat	Kunjah Ii QH	Jheoranwali PC	Jheoranwali	9754.17	1.3583	2	4877.084	3
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Qasba Kariali PC	Qasba Kariali	9743.26	1.3568	2	4871.630	3
Gujrat	Gujrat	Gujrat-I QH	Mueen Ud Din Pur PC	Mueenuddinpur	9325.12	1.2985	2	4662.560	3
Gujrat	Gujrat	Jalalpur Jattan I QH	Sheikhpur PC	Sheikhpur	9302.09	1.2953	2	4651.046	3
Gujrat	Gujrat	Tanda Ii QH	Barrila PC	Barrila	9299.67	1.2950	2	4649.834	3
Gujrat	Kharian	Kharian-I QH	Dhoria PC	Dhoria	9265.73	1.2903	2	4632.866	3
Gujrat	Gujrat	Tanda I QH	Lakhan Wal Khas PC	Lakhanwal Khas	9080.30	1.2644	2	4540.148	3
Gujrat	Kharian	Dinga I QH	Amra Kalan PC	Amra Kalan	9033.03	1.2579	2	4516.514	3
Gujrat	Gujrat	Kunjah Ii QH	Khojian Wali PC	Khojian Wali	9014.85	1.2553	2	4507.424	3
Gujrat	Kharian	Jaurah I QH	Jaurah PC	Jaurah	8967.58	1.2487	2	4483.791	3
Gujrat	Gujrat	Kunjah Ii QH	Jasoke PC	Jasoke	8874.26	1.2357	2	4437.129	3
Gujrat	Gujrat	Piroshah I QH	Jalalpur Sobtian PC	Jalalpur Sobtian	8778.51	1.2224	2	4389.255	3
Gujrat	Gujrat	Deonah Ii QH	Adhowal PC	Adhowal	8370.07	1.1655	2	4185.033	3

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Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Budho Kalas	8320.37	1.1586	2	4160.187	3
Gujrat	Gujrat	Daulat Nagar I QH	Doga PC	Doga	8314.31	1.1578	2	4157.157	3
Gujrat	Gujrat	Daulat Nagar I QH	Jaurah Jalalpur PC	Khokhar	8271.89	1.1519	2	4135.947	3
Gujrat	Gujrat	Deonah I QH	Deonah PC	Deonah	8259.77	1.1502	2	4129.887	3
Gujrat	Gujrat	Kunjah Ii QH	Langah PC	Langah	8037.98	1.1193	2	4018.989	3
Gujrat	Sarai Alamgir	Dandi Nizam QH	Besa PC	Besa	7959.20	1.1083	2	3979.599	2
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Guliana	7880.42	1.0974	2	3940.209	2
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Gotriala PC	Gotriala	7852.54	1.0935	2	3926.271	2
Gujrat	Gujrat	Gujrat-I QH	Madina PC	Madina	7810.12	1.0876	2	3905.061	2
Gujrat	Kharian	Dinga Ii QH	Sikriali PC	Sikriali	7767.70	1.0817	2	3883.851	2
Gujrat	Kharian	Jaurah I QH	Karnana PC	Karnana	7732.55	1.0768	2	3866.277	2
Gujrat	Kharian	Dinga I QH	Chak Jani PC	Chak Jani	7589.54	1.0568	2	3794.769	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Puran PC	Puran	7549.54	1.0513	2	3774.771	2
Gujrat	Kharian	Jaurah I QH	Chakori Bhelowal PC	Chakori Bhelowal	7470.76	1.0403	2	3735.381	2
Gujrat	Kharian	Sabore I QH	Bazurgwal PC	Bazurgwal	7462.28	1.0391	2	3731.139	2
Gujrat	Gujrat	Kunjah Ii QH	Goleki PC	Goleki	7452.58	1.0378	2	3726.291	2
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Baharwal	7445.31	1.0368	2	3722.655	2
Gujrat	Kharian	Kharian-I QH	Dhuni PC	Dhuni	7419.86	1.0332	2	3709.929	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kakrali PC	Kakrali	7395.62	1.0298	2	3697.809	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Karyala PC	Karyala	7318.05	1.0190	2	3659.025	2
Gujrat	Gujrat	Gujrat-I QH	Gorali PC	Gorali	7282.90	1.0141	2	3641.451	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mehmoodabad PC	Mehmoodabad	4976.47	0.4620	1	2488.234	3
Gujrat	Gujrat	Tanda Ii QH	Qurri PC	Qurri	4955.86	0.4601	1	2477.932	3
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Ganja	4924.35	0.4571	1	2462.176	3
Gujrat	Kharian	Dinga I QH	Noor Jamal PC	Noor Jamal	4895.26	0.4544	1	2447.632	3
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Malkah	4815.27	0.4470	1	2407.636	3
Gujrat	Kharian	Kharian-Ii QH	Sehna PC	Sehna	4801.94	0.4458	1	2400.970	3

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Gujrat	Gujrat	Gujrat-I QH	Gillan Wala PC	Gillanwala	4792.24	0.4449	1	2396.122	3
Gujrat	Gujrat	Piroshah Ii QH	Malowal PC	Malowal	4702.56	0.4366	1	2351.278	3
Gujrat	Kharian	Kharian-Ii QH	Doga PC	Doga	4696.50	0.4360	1	2348.248	3
Gujrat	Kharian	Lala Musa I QH	Khawaspur PC	Khawaspur	4684.38	0.4349	1	2342.188	3
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bulani PC	Bulani	4644.38	0.4312	1	2322.190	3
Gujrat	Gujrat	Tanda Ii QH	Mari Khokhran PC	Mari Khokhran	4618.93	0.4288	1	2309.464	3
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Cherraula PC	Cherraula	4601.96	0.4272	1	2300.980	3
Gujrat	Sarai Alamgir	Dandi Nizam QH	Pir Khana PC	Pir Khana	4598.32	0.4269	1	2299.162	3
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Fatta Bhand	4552.27	0.4226	1	2276.134	3
Gujrat	Gujrat	Kunjah Ii QH	Chakrian PC	Chakrian	4521.97	0.4198	1	2260.984	3
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Sadwal Kalan	4503.79	0.4181	1	2251.894	3
Gujrat	Kharian	Kharian-I QH	Jandanwala PC	Jandan Wala	4483.18	0.4162	1	2241.592	3
Gujrat	Gujrat	Deonah Ii QH	Nagrian Wala PC	Nagrian Wala	4468.64	0.4148	1	2234.320	3
Gujrat	Gujrat	Tanda I QH	Kasoke PC	Mari Warrachan	4465.00	0.4145	1	2232.502	3
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Bhawanj PC	Bhawanj	4445.61	0.4127	1	2222.806	3
Gujrat	Kharian	Sabore I QH	Rathori PC	Sheikhpur	4345.02	0.4034	1	2172.508	3
Gujrat	Gujrat	Gujrat-I QH	Sabowal No.Ii PC	Chak Mubarik	4326.84	0.4017	1	2163.418	3
Gujrat	Kharian	Kharian-I QH	Dhoria PC	Mundeer	4319.56	0.4010	1	2159.782	3
Gujrat	Kharian	Jaurah Ii QH	Randheer PC	Randheer	4261.39	0.3956	1	2130.694	3
Gujrat	Gujrat	Deonah I QH	Chak Pindi PC	Chak Pindi	4246.84	0.3943	1	2123.422	3
Gujrat	Kharian	Jaurah I QH	Barnali PC	Barnali	4229.88	0.3927	1	2114.938	3
Gujrat	Gujrat	Jalalpur Jattan I QH	Hanjrai PC	Hanjrai	4212.91	0.3911	1	2106.454	3
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Jaggu PC	Jaggu	4210.48	0.3909	1	2105.242	3
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Karyala PC	Bowli	4182.61	0.3883	1	2091.304	3
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Chak Ali	4177.76	0.3878	1	2088.880	3
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhakari PC	Dhrakari	4162.00	0.3864	1	2081.002	3
Gujrat	Gujrat	Daulat Nagar Ii QH	Chodowal PC	Chodowal	4154.73	0.3857	1	2077.366	3

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Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No 30 PC	Dehr	4123.22	0.3828	1	2061.610	3
Gujrat	Kharian	Dinga Ii QH	Kolian Hussain PC	Beknanwala	4103.83	0.3810	1	2051.914	3
Gujrat	Gujrat	Piroshah Ii QH	Karian Wala PC	Dhamthal	4091.71	0.3798	1	2045.854	3
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khambi PC	Khambi	4063.83	0.3773	1	2031.916	3
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhumman Malka PC	Dhamman Malka	4058.98	0.3768	1	2029.492	3
Gujrat	Gujrat	Gujrat-Ii QH	Qiladar PC	Qiladar	4058.98	0.3768	1	2029.492	3
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Thuta Rai Bahadur PC	Thuta Rai Bahadur	7171.40	0.9986	1	3585.699	2
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Pahare	7029.59	0.9789	1	3514.797	2
Gujrat	Gujrat	Tanda Ii QH	Shampur PC	Killa Soora Sing	7028.38	0.9787	1	3514.191	2
Gujrat	Gujrat	Gujrat-Ii QH	Kathala PC	Kathala	6767.80	0.9424	1	3383.901	2
Gujrat	Gujrat	Deonah I QH	Sadhri PC	Sadhri	6736.29	0.9380	1	3368.145	2
Gujrat	Kharian	Sabore I QH	Sabore PC	Sabore	6719.32	0.9357	1	3359.661	2
Gujrat	Gujrat	Deonah I QH	Narowali PC	Narowali	6699.93	0.9330	1	3349.965	2
Gujrat	Gujrat	Kunjah Ii QH	Dharowala PC	Dharowala	6680.54	0.9303	1	3340.269	2
Gujrat	Kharian	Dinga Ii QH	Kolian Hussain PC	Kolian Hussain	6584.79	0.9169	1	3292.395	2
Gujrat	Gujrat	Piroshah I QH	Piro Shah PC	Piro Shah	6577.52	0.9159	1	3288.759	2
Gujrat	Kharian	Lala Musa I QH	Chokar Kalan PC	Chokar Kalan	6457.53	0.8992	1	3228.765	2
Gujrat	Kharian	Kharian-I QH	Mohri PC	Mohri	6415.11	0.8933	1	3207.556	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Mangowal Sharqi PC	Mangowal Sharqi	6409.05	0.8925	1	3204.526	2
Gujrat	Gujrat	Gujrat-Ii QH	Chak Sada PC	Chak Sada	6217.56	0.8658	1	3108.778	2
Gujrat	Gujrat	Kunjah I QH	Keeranwala Khas PC	Keeran - Wala Khas	6160.59	0.8579	1	3080.296	2
Gujrat	Gujrat	Kunjah Ii QH	Qasim Abad PC	Qasim Abad (Chua Mal)	6051.51	0.8427	1	3025.756	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thimka PC	Thimka	5972.73	0.8317	1	2986.366	2
Gujrat	Gujrat	Tanda I QH	Ramke Bhalpur PC	Ramke Bhalpur	5933.95	0.8263	1	2966.974	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dandi Nizam PC	Dandi Maliar	5913.34	0.8234	1	2956.672	2
Gujrat	Kharian	Lala Musa I QH	Khawaspur PC	Nindowal	5858.80	0.8158	1	2929.402	2

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Gujrat	Kharian	Sabore I QH	Samrala PC	Banian	5857.59	0.8157	1	2928.796	2
Gujrat	Gujrat	Daulat Nagar Ii QH	Alamgarh PC	Alamgarh	5850.32	0.8147	1	2925.160	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Mandi Bhalwal PC	Mandi Bhalwal	5824.87	0.8111	1	2912.434	2
Gujrat	Gujrat	Deonah I QH	Haria Wala PC	Lundpur	5811.54	0.8093	1	2905.768	2
Gujrat	Gujrat	Tanda Ii QH	Bahlolpur PC	Bahlolpur	5804.26	0.8082	1	2902.132	2
Gujrat	Gujrat	Deonah I QH	Machianna PC	Machianna	5792.14	0.8066	1	2896.072	2
Gujrat	Kharian	Dinga Ii QH	Bhalesran Wala PC	Bhalesaran Wala	5712.15	0.7954	1	2856.076	2
Gujrat	Kharian	Lala Musa I QH	Chokar Kalan PC	Dullan Wala	5677.00	0.7905	1	2838.502	2
Gujrat	Gujrat	Gujrat-I QH	Dheerke PC	Dheerke	5658.82	0.7880	1	2829.412	2
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Bhagwal	5633.37	0.7845	1	2816.686	2
Gujrat	Kharian	Jaurah I QH	Bagrian Wala PC	Bagrian Wala	5616.40	0.7821	1	2808.202	2
Gujrat	Gujrat	Tanda I QH	Kasoke PC	Kasoke	5598.22	0.7796	1	2799.112	2
Gujrat	Kharian	Dinga Ii QH	Warechan Wala PC	Warraichan Wala	5569.14	0.7755	1	2784.568	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Ranewal PC	Ranewal	5546.11	0.7723	1	2773.054	2
Gujrat	Gujrat	Daulat Nagar I QH	Makiana PC	Makiana	5472.18	0.7620	1	2736.088	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Mehay Kalan PC	Mehay Kalan	5450.36	0.7590	1	2725.180	2
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.I PC	Kotli Kohala	5447.94	0.7586	1	2723.968	2
Gujrat	Gujrat	Gujrat-I QH	Madina PC	Lorai	5338.86	0.7434	1	2669.428	2
Gujrat	Gujrat	Daulat Nagar I QH	Sarai Dhing PC	Sarai Dhing	5336.43	0.7431	1	2668.216	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dandi Nizam PC	Dandi Nizam	5284.32	0.7358	1	2642.158	2
Gujrat	Kharian	Lala Musa I QH	Kotla Sarang Khan PC	Kotla Sarang Khan	5264.92	0.7331	1	2632.462	2
Gujrat	Kharian	Sabore Ii QH	Bhaddar PC	Bhaddar	5264.92	0.7331	1	2632.462	2
Gujrat	Gujrat	Piroshah I QH	Awan PC	Awan	5262.50	0.7328	1	2631.250	2
Gujrat	Kharian	Dinga I QH	Khori PC	Khori	5245.53	0.7304	1	2622.766	2
Gujrat	Kharian	Jaurah Ii QH	Bhau Ghasitpur PC	Bhau Ghasitpur	5201.90	0.7244	1	2600.950	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Kilchpur PC	Kilchpur	5141.30	0.7159	1	2570.650	2
Gujrat	Kharian	Lala Musa Ii QH	Panjan Kisana PC	Panjan Kisana	5096.46	0.7097	1	2548.228	2

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Gujrat	Gujrat	Tanda I QH	Chopala PC	Chopala	5089.18	0.7087	1	2544.592	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Sheikh Pur PC	Sheikh Pur	5085.55	0.7082	1	2542.774	2
Gujrat	Kharian	Dinga I QH	Chak Jani PC	Dhulian	5068.58	0.7058	1	2534.290	2
Gujrat	Kharian	Dinga Ii QH	Dhandala Dhandali PC	Dhandala Dhandali	5045.55	0.7026	1	2522.776	2
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Langrial	5041.92	0.7021	1	2520.958	2
Gujrat	Kharian	Lala Musa Ii QH	Hanj PC	Hanj	5015.25	0.6984	1	2507.626	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Bhagowal Khurd PC	Bhagowal Khurd	5005.56	0.6970	1	2502.778	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Khalas Garh PC	Guhmman	3980.20	0.3695	1	1990.102	2
Gujrat	Gujrat	Tanda Ii QH	Saghar PC	Saghar	3964.45	0.3680	1	1982.224	2
Gujrat	Gujrat	Gujrat-I QH	Gorali PC	Gorala	3949.90	0.3667	1	1974.952	2
Gujrat	Kharian	Sabore Ii QH	Suembri PC	Bhota	3939.00	0.3657	1	1969.498	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Simble PC	Simble	3930.51	0.3649	1	1965.256	2
Gujrat	Gujrat	Tanda I QH	Bhilowal PC	Bhilowal	3913.54	0.3633	1	1956.772	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Masumpur PC	Masumpur	3900.21	0.3621	1	1950.106	2
Gujrat	Gujrat	Daulat Nagar I QH	Machiwal PC	Machhiwala	3890.52	0.3612	1	1945.258	2
Gujrat	Kharian	Dinga Ii QH	Tapiala PC	Tapiala	3873.55	0.3596	1	1936.774	2
Gujrat	Gujrat	Deonah I QH	Jhandewala PC	Jhandewala	3845.67	0.3570	1	1922.837	2
Gujrat	Kharian	Dinga Ii QH	Matuan Wala PC	Matuanwala	3845.67	0.3570	1	1922.837	2
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Dhakran Wali	3814.16	0.3541	1	1907.081	2
Gujrat	Gujrat	Gujrat-I QH	Sook Kalan PC	Pindi Hasan	3793.56	0.3522	1	1896.779	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Hanjrai PC	Chak Manjun	3789.92	0.3518	1	1894.961	2
Gujrat	Kharian	Jaurah I QH	Ranian PC	Chichian	3770.53	0.3500	1	1885.265	2
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Chak Lashkari	3762.05	0.3492	1	1881.023	2
Gujrat	Kharian	Jaurah I QH	Barnali PC	Bhago	3745.08	0.3477	1	1872.539	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bulani PC	Ghial	3743.87	0.3476	1	1871.933	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sarsal PC	Sarsal	3729.32	0.3462	1	1864.661	2
Gujrat	Kharian	Dinga I QH	Noor Jamal PC	Rajoo Bhand	3715.99	0.3450	1	1857.995	2

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Gujrat	Gujrat	Gujrat-Ii QH	Mohla PC	Mohla	3708.72	0.3443	1	1854.359	2
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Dhal Kakka	3706.29	0.3441	1	1853.147	2
Gujrat	Kharian	Kharian-I QH	Baghanwala PC	Chechian	3661.45	0.3399	1	1830.725	2
Gujrat	Gujrat	Gujrat-Ii QH	Samma PC	Chak Ghazi	3639.63	0.3379	1	1819.817	2
Gujrat	Kharian	Kharian-I QH	Jandanwala PC	Dillo	3619.03	0.3360	1	1809.515	2
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No 30 PC	Chak Sikandar No 30	3612.97	0.3354	1	1806.485	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Pothi PC	Pothi	3605.70	0.3347	1	1802.849	2
Gujrat	Kharian	Kharian-Ii QH	Doga PC	Panjwarrian	3598.43	0.3341	1	1799.213	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Thil Bakohal PC	Thil Bakohal	3575.40	0.3319	1	1787.699	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Achh PC	Buttar	3572.97	0.3317	1	1786.487	2
Gujrat	Gujrat	Deonah Ii QH	Musa Kamala PC	Musa Kamala	3565.70	0.3310	1	1782.851	2
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.Ii PC	Noonanwali	3565.70	0.3310	1	1782.851	2
Gujrat	Gujrat	Tanda Ii QH	Tanda PC	Mota	3543.89	0.3290	1	1771.943	2
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Dhama	3531.77	0.3279	1	1765.883	2
Gujrat	Gujrat	Piroshah Ii QH	Bhangran Wala PC	Bhangran Wala	3528.13	0.3275	1	1764.065	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Bhawanj PC	Sar Dhok	3525.71	0.3273	1	1762.853	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Gochh PC	Gochh	3520.86	0.3269	1	1760.429	2
Gujrat	Kharian	Kharian-Ii QH	Arrah PC	Naseera	3508.74	0.3257	1	1754.369	2
Gujrat	Kharian	Sabore I QH	Samrala PC	Samrala	3503.89	0.3253	1	1751.945	2
Gujrat	Kharian	Kharian-I QH	Jandanwala PC	Morala	3479.65	0.3230	1	1739.825	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Mehay Kalan PC	Rajar	3478.44	0.3229	1	1739.219	2
Gujrat	Gujrat	Deonah Ii QH	Ditewal PC	Dherughana	3474.80	0.3226	1	1737.401	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Mandi Bhalwal PC	Pind Aziz	3454.20	0.3207	1	1727.099	2
Gujrat	Kharian	Dinga Ii QH	Bhalesran Wala PC	Chak Sheikhu	3448.14	0.3201	1	1724.069	2
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Ghansia	3431.17	0.3185	1	1715.585	2
Gujrat	Gujrat	Tanda Ii QH	Chak Shero PC	Kakianwala	3420.26	0.3175	1	1710.131	2

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Gujrat	Gujrat	Kunjah I QH	Kang Chhannan PC	Kang Chhannan	3416.63	0.3172	1	1708.313	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Daudoosagra PC	Nautheh Qureshian	3409.35	0.3165	1	1704.677	2
Gujrat	Kharian	Sabore I QH	Bhand Garan PC	Sarria	3387.54	0.3145	1	1693.769	2
Gujrat	Gujrat	Daulat Nagar I QH	Chandala PC	Chandala	3383.90	0.3141	1	1691.951	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Pindi Awan PC	Raupehri	3363.30	0.3122	1	1681.649	2
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Chak Sikandar No. 53	3363.30	0.3122	1	1681.649	2
Gujrat	Gujrat	Piroshah I QH	Gharera PC	Malki	3346.33	0.3107	1	1673.165	2
Gujrat	Gujrat	Daulat Nagar I QH	Chokar Khurd PC	Sher Garh	3339.06	0.3100	1	1669.529	2
Gujrat	Gujrat	Deonah Ii QH	Ditewal PC	Ditewal	3336.63	0.3098	1	1668.317	2
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.Ii PC	Bhattian	3318.45	0.3081	1	1659.227	2
Gujrat	Gujrat	Daulat Nagar I QH	Mello PC	Mello	3309.97	0.3073	1	1654.985	2
Gujrat	Gujrat	Deonah I QH	Thatta Pur PC	Thatta Paur	3293.00	0.3057	1	1646.501	2
Gujrat	Gujrat	Kunjah I QH	Gakhra Kalan PC	Gakhra Kalan	3286.94	0.3051	1	1643.471	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Kharka PC	Kharka	3274.82	0.3040	1	1637.411	2
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.Ii PC	Sidh	3271.19	0.3037	1	1635.593	2
Gujrat	Kharian	Sabore I QH	Sabore PC	Jandala	3265.13	0.3031	1	1632.563	2
Gujrat	Kharian	Dinga I QH	Panjan Shahana PC	Panjan Shahana	3260.28	0.3027	1	1630.139	2
Gujrat	Gujrat	Kunjah Ii QH	Chak Gillan PC	Chak Gillan	3254.22	0.3021	1	1627.109	2
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Bangial	3254.22	0.3021	1	1627.109	2
Gujrat	Kharian	Lala Musa I QH	Sedagol PC	Verowal	3242.10	0.3010	1	1621.049	2
Gujrat	Gujrat	Piroshah Ii QH	Chak Bazurg PC	Chak Bazurg	3240.89	0.3009	1	1620.443	2
Gujrat	Gujrat	Daulat Nagar I QH	Daulat Nagar PC	Umarwal	3216.65	0.2986	1	1608.323	2
Gujrat	Gujrat	Deonah Ii QH	Chukanwali PC	Chukanwali	3213.01	0.2983	1	1606.505	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Khidariala	3210.59	0.2981	1	1605.293	2
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Hassan Pathan	3205.74	0.2976	1	1602.869	2
Gujrat	Gujrat	Tanda I QH	Lakhan Wal Khasa PC	Lakhanwal Khasa	3197.25	0.2968	1	1598.627	2

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Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Basrian	3175.44	0.2948	1	1587.719	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bhago Shahpur PC	Bhago Shahpur	3151.20	0.2925	1	1575.599	2
Gujrat	Gujrat	Gujrat-I QH	Sabowal No.I PC	Sabowal	3147.56	0.2922	1	1573.781	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thatta Musa PC	Bhakoke	3143.93	0.2919	1	1571.963	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dak PC	Dak	3139.08	0.2914	1	1569.539	2
Gujrat	Kharian	Dinga Ii QH	Chak Mahmood PC	Chak Mahmood	3135.44	0.2911	1	1567.721	2
Gujrat	Kharian	Jaurah I QH	Ban Kalas PC	Ghurko	3129.38	0.2905	1	1564.691	2
Gujrat	Gujrat	Piroshah I QH	Gharera PC	Gharera	3128.17	0.2904	1	1564.085	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dandi Nizam PC	Phularwan	3126.96	0.2903	1	1563.479	2
Gujrat	Kharian	Dinga Ii QH	Topa Usman PC	Topa Usman	3108.78	0.2886	1	1554.389	2
Gujrat	Kharian	Dinga Ii QH	Matuan Wala PC	Gumti	3101.51	0.2879	1	1550.753	2
Gujrat	Kharian	Lala Musa I QH	Kulewala Shahna PC	Chanun Bhoja	3101.51	0.2879	1	1550.753	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thatta Musa PC	Jeowanjal	3094.23	0.2872	1	1547.117	2
Gujrat	Gujrat	Piroshah Ii QH	Baroo PC	Baroo	3093.02	0.2871	1	1546.511	2
Gujrat	Gujrat	Tanda I QH	Dhul Kalan PC	Dhul Kalan	3080.90	0.2860	1	1540.451	2
Gujrat	Gujrat	Piroshah I QH	Baharwal PC	Khokhar	3072.42	0.2852	1	1536.209	2
Gujrat	Gujrat	Daulat Nagar I QH	Chokar Khurd PC	Chokar Khurd	3060.30	0.2841	1	1530.149	2
Gujrat	Kharian	Dinga I QH	Chak Jani PC	Yaqinpur	3060.30	0.2841	1	1530.149	2
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.I PC	Bhatti	3057.87	0.2839	1	1528.937	2
Gujrat	Gujrat	Piroshah Ii QH	Hazara PC	Hazara Mughlan	3032.42	0.2815	1	1516.211	2
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Chak Miana	3011.82	0.2796	1	1505.909	2
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No 30 PC	Hale	3003.33	0.2788	1	1501.667	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Gurrah Jattan PC	Gurrah Jattan	2996.06	0.2781	1	1498.031	2
Gujrat	Gujrat	Piroshah I QH	Santhal No.I PC	Santhal	2991.21	0.2777	1	1495.607	2
Gujrat	Gujrat	Gujrat-I QH	Madina PC	Jamalpur	2981.52	0.2768	1	1490.759	2
Gujrat	Kharian	Kharian-I QH	Dhoria PC	Chak Muhammad	2977.88	0.2764	1	1488.941	2
Gujrat	Gujrat	Gujrat-Ii QH	Ali Pur PC	Baghula	2976.67	0.2763	1	1488.335	2

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Gujrat	Gujrat	Gujrat-I QH	Chak Boola PC	Beowali	2969.40	0.2757	1	1484.699	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mandiala PC	Mandiala	2966.97	0.2754	1	1483.487	2
Gujrat	Gujrat	Piroshah I QH	Ajnala PC	Koankh	2954.85	0.2743	1	1477.427	2
Gujrat	Kharian	Dinga Ii QH	Dhandala Dhandali PC	Dhakkar	2945.16	0.2734	1	1472.579	2
Gujrat	Gujrat	Gujrat-I QH	Sabowal No.Ii PC	Gandhra Khurd	2943.95	0.2733	1	1471.973	2
Gujrat	Kharian	Dinga I QH	Amra Kalan PC	Amra Khurd	2929.40	0.2719	1	1464.701	2
Gujrat	Kharian	Sabore I QH	Nagrian PC	Saka	2924.55	0.2715	1	1462.277	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Ladha Sadha PC	Sadha	2920.92	0.2712	1	1460.459	2
Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Dhoda	2913.65	0.2705	1	1456.823	2
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.I PC	Bhurchh	2902.74	0.2695	1	1451.369	2
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.Ii PC	Uttowal	2897.89	0.2690	1	1448.945	2
Gujrat	Gujrat	Deonah I QH	Murarian PC	Murarian	2886.98	0.2680	1	1443.491	2
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Shampur	2879.71	0.2673	1	1439.855	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kharana PC	Kharana	2866.38	0.2661	1	1433.189	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Dilawar Pur PC	Dilawar Pur	2865.17	0.2660	1	1432.583	2
Gujrat	Gujrat	Deonah Ii QH	Vainas PC	Dhol Khurd	2857.89	0.2653	1	1428.947	2
Gujrat	Kharian	Jaurah Ii QH	Bhau Ghasitpur PC	Channan	2851.83	0.2647	1	1425.917	2
Gujrat	Gujrat	Deonah I QH	Machianna PC	Samman Pindi	2843.35	0.2640	1	1421.675	2
Gujrat	Kharian	Sabore I QH	Sabore PC	Rolia	2843.35	0.2640	1	1421.675	2
Gujrat	Kharian	Lala Musa Ii QH	Saida Baraham PC	Shah Sarmast	2839.71	0.2636	1	1419.857	2
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Gurrah Jattan PC	Bhalwal Gharbi	2837.29	0.2634	1	1418.645	2
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Chak Rijaddi	2828.81	0.2626	1	1414.403	2
Gujrat	Gujrat	Deonah Ii QH	Majra PC	Majra	2827.59	0.2625	1	1413.797	2
Gujrat	Gujrat	Kunjah I QH	Ishra No.I PC	Chakori Bakhu	2826.38	0.2624	1	1413.191	2
Gujrat	Kharian	Kharian-I QH	Dhuni PC	Uttam	2823.96	0.2622	1	1411.979	2
Gujrat	Gujrat	Deonah Ii QH	Mand PC	Khokhar Gharbi	2817.90	0.2616	1	1408.949	2

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Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.I PC	Kharariwala Kalan	2817.90	0.2616	1	1408.949	2
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Chichian	2797.29	0.2597	1	1398.647	2
Gujrat	Kharian	Lala Musa I QH	Paswal PC	Paswal	2771.84	0.2573	1	1385.921	2
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Mekan	2746.39	0.2550	1	1373.195	2
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Darya Khathana	2746.39	0.2550	1	1373.195	2
Gujrat	Kharian	Kharian-I QH	Dhoria PC	Sadwal	2739.12	0.2543	1	1369.559	2
Gujrat	Kharian	Dinga Ii QH	Topa Usman PC	Tirianwali	2730.63	0.2535	1	1365.317	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Choha PC	Choha	2725.79	0.2530	1	1362.893	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Hanjrai PC	Sook Budhi	2719.73	0.2525	1	1359.863	2
Gujrat	Gujrat	Tanda Ii QH	Budhan PC	Gujgarran	2717.30	0.2523	1	1358.651	2
Gujrat	Kharian	Sabore I QH	Nagrian PC	Nagrian	2713.67	0.2519	1	1356.833	2
Gujrat	Kharian	Kharian-I QH	Jandanwala PC	Malak Pur	2711.24	0.2517	1	1355.621	2
Gujrat	Gujrat	Tanda Ii QH	Matianwala PC	Matianwala	2706.39	0.2512	1	1353.197	2
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.Ii PC	Kher Kate	2695.49	0.2502	1	1347.743	2
Gujrat	Gujrat	Tanda Ii QH	Sarakh Pur PC	Rangrah	2687.00	0.2494	1	1343.501	2
Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Chak Haji	2683.37	0.2491	1	1341.683	2
Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Borian Wali	2680.94	0.2489	1	1340.471	2
Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Pindi Ram Pur	2678.52	0.2487	1	1339.259	2
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Mehasam	2677.31	0.2485	1	1338.653	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thatta Musa PC	Thatta Musa	2676.09	0.2484	1	1338.047	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Memey Khurd PC	Memey Khurd	2673.67	0.2482	1	1336.835	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Raseedpur	2668.82	0.2478	1	1334.411	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Memey Khurd PC	Chak Jani	2656.70	0.2466	1	1328.351	2
Gujrat	Gujrat	Kunjah Ii QH	Tarikha PC	Tarikha	2655.49	0.2465	1	1327.745	2
Gujrat	Kharian	Sabore I QH	Nagrian PC	Jaggal	2651.85	0.2462	1	1325.927	2
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Bharaj PC	Kotla Sowyian	2650.64	0.2461	1	1325.321	2
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Chak Murtaza	2648.22	0.2458	1	1324.109	2

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Gujrat	Gujrat	Kunjah I QH	Kang Chhannan PC	Kang Sahari	2633.67	0.2445	1	1316.837	2
Gujrat	Kharian	Dinga Ii QH	Khoja PC	Khoja	2621.55	0.2434	1	1310.777	2
Gujrat	Gujrat	Piroshah I QH	Kotla Dhenda PC	Bhakriali	2610.65	0.2424	1	1305.323	2
Gujrat	Gujrat	Deonah Ii QH	Mand PC	Mand	2603.37	0.2417	1	1301.687	2
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Kanara PC	Kanara	2599.74	0.2413	1	1299.869	2
Gujrat	Gujrat	Tanda I QH	Randhir PC	Randhir	2594.89	0.2409	1	1297.445	2
Gujrat	Gujrat	Jalalpur Jattan I QH	Kot Amir Hussain PC	Kot Amir Hussain	2583.98	0.2399	1	1291.991	2
Gujrat	Gujrat	Piroshah Ii QH	Mahe PC	Majra Shumali	2575.50	0.2391	1	1287.749	2
Gujrat	Gujrat	Kunjah I QH	Khanwali PC	Khanwali	2574.29	0.2390	1	1287.143	2
Gujrat	Gujrat	Tanda I QH	Dhari Wal PC	Dhari Wal	2574.29	0.2390	1	1287.143	2
Gujrat	Gujrat	Piroshah I QH	Malakpur Khurd PC	Malakpur Khurd	2565.80	0.2382	1	1282.901	2
Gujrat	Gujrat	Tanda I QH	Kasab PC	Kasab	2562.17	0.2379	1	1281.083	2
Gujrat	Gujrat	Piroshah Ii QH	Malowal PC	Dhoonda Kalan	2548.83	0.2366	1	1274.417	2
Gujrat	Gujrat	Deonah I QH	Thatta Pur PC	Banian	2547.62	0.2365	1	1273.811	2
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kharana PC	Palahgran	2539.14	0.2357	1	1269.569	2
Gujrat	Sarai Alamgir	Dandi Nizam QH	Chaar PC	Chaar	2533.08	0.2352	1	1266.539	2
Gujrat	Gujrat	Tanda I QH	Kasab PC	Wazir	2528.23	0.2347	1	1264.115	2
Gujrat	Gujrat	Deonah I QH	Chak Pindi PC	Dali Banth	2523.38	0.2343	1	1261.691	2
Gujrat	Kharian	Lala Musa I QH	Kotla Qasim Khan PC	Sukh Chainan	2518.53	0.2338	1	1259.267	2
Gujrat	Gujrat	Piroshah Ii QH	Bhangran Wala PC	Sirhali Khurd	2508.84	0.2329	1	1254.419	2
Gujrat	Gujrat	Kunjah I QH	Kang Sahali PC	Rajeki	2506.41	0.2327	1	1253.207	2
Gujrat	Gujrat	Gujrat-I QH	Rehmanian PC	Khepranwala	2495.51	0.2317	1	1247.753	1.247753
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Balasar	2489.45	0.2311	1	1244.723	1.244723
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Chak Sarwani	2485.81	0.2308	1	1242.905	1.242905
Gujrat	Kharian	Jaurah I QH	Barnali PC	Chak Miana	2483.39	0.2305	1	1241.693	1.241693
Gujrat	Gujrat	Piroshah I QH	Santhal No.I PC	Mirza	2471.27	0.2294	1	1235.633	1.235633
Gujrat	Gujrat	Jalalpur Jattan I QH	Chak Kala PC	Chak Kala	2470.05	0.2293	1	1235.027	1.235027

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Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.I PC	Murrarian	2470.05	0.2293	1	1235.027	1.235027
Gujrat	Gujrat	Jalalpur Jattan I QH	Bhagowal Khurd PC	Hayat Garh	2465.21	0.2289	1	1232.603	1.232603
Gujrat	Kharian	Dinga Ii QH	Khoja PC	Adam Topa	2459.15	0.2283	1	1229.573	1.229573
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Lehri	2453.09	0.2277	1	1226.543	1.226543
Gujrat	Kharian	Sabore Ii QH	Suembri PC	Suembri	2451.87	0.2276	1	1225.937	1.225937
Gujrat	Gujrat	Piroshah Ii QH	Malowal PC	Jeendar Khurd	2449.45	0.2274	1	1224.725	1.224725
Gujrat	Gujrat	Piroshah I QH	Jalalpur Sobtian PC	Bhooch	2442.18	0.2267	1	1221.089	1.221089
Gujrat	Kharian	Jaurah Ii QH	Mirza Tahir PC	Mirza Tahir	2432.48	0.2258	1	1216.241	1.216241
Gujrat	Gujrat	Deonah Ii QH	Musa Kamala PC	Juliani	2426.42	0.2253	1	1213.211	1.213211
Gujrat	Kharian	Jaurah I QH	Chakori Bhelowal PC	Dhal Bangash	2421.57	0.2248	1	1210.787	1.210787
Gujrat	Kharian	Kharian-Ii QH	Sainthal PC	Nautheh	2421.57	0.2248	1	1210.787	1.210787
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mandiala PC	Daud Pur	2415.51	0.2242	1	1207.757	1.207757
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Pauranwala	2413.09	0.2240	1	1206.545	1.206545
Gujrat	Kharian	Sabore Ii QH	Suembri PC	Jhakkar	2405.82	0.2233	1	1202.909	1.202909
Gujrat	Gujrat	Daulat Nagar I QH	Chakanwali PC	Chakanwali	2400.97	0.2229	1	1200.485	1.200485
Gujrat	Kharian	Kharian-Ii QH	Sainthal PC	Sainthal	2400.97	0.2229	1	1200.485	1.200485
Gujrat	Gujrat	Deonah Ii QH	Kot Bela PC	Malakpur	2396.12	0.2224	1	1198.061	1.198061
Gujrat	Gujrat	Tanda Ii QH	Budhan PC	Budhan	2381.58	0.2211	1	1190.789	1.190789
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Memey Khurd PC	Thoon	2373.09	0.2203	1	1186.547	1.186547
Gujrat	Gujrat	Daulat Nagar I QH	Jaurah Jalalpur PC	Jaurah Jalalpur	2351.28	0.2183	1	1175.639	1.175639
Gujrat	Kharian	Lala Musa I QH	Sedagol PC	Lohsar	2317.34	0.2151	1	1158.671	1.158671
Gujrat	Gujrat	Piroshah I QH	Gharera PC	Parsowal	2299.16	0.2134	1	1149.581	1.149581
Gujrat	Kharian	Jaurah Ii QH	Bhau Ghasitpur PC	Samaila	2297.95	0.2133	1	1148.975	1.148975
Gujrat	Kharian	Dinga Ii QH	Matuan Wala PC	Jand	2294.31	0.2130	1	1147.157	1.147157
Gujrat	Kharian	Lala Musa Ii QH	Kamla Bhand PC	Bator	2291.89	0.2128	1	1145.945	1.145945
Gujrat	Gujrat	Daulat Nagar Ii QH	Bahowal PC	Bahowal	2285.83	0.2122	1	1142.915	1.142915
Gujrat	Kharian	Kharian-I QH	Baghanwala PC	Baghanwala	2284.62	0.2121	1	1142.309	1.142309

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Gujrat	Kharian	Dinga Ii QH	Chimman PC	Chimman	2271.29	0.2109	1	1135.643	1.135643
Gujrat	Gujrat	Kunjah Ii QH	Ishra No.Ii PC	Ishra	2270.07	0.2107	1	1135.037	1.135037
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Golra Hashim	2270.07	0.2107	1	1135.037	1.135037
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.I PC	Ladian	2268.86	0.2106	1	1134.431	1.134431
Gujrat	Kharian	Jaurah Ii QH	Mirza Tahir PC	Sheikha Tahir	2265.23	0.2103	1	1132.613	1.132613
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Memey Khurd PC	Khanpur Khambi	2239.77	0.2079	1	1119.887	1.119887
Gujrat	Kharian	Kharian-I QH	Mohri PC	Sant Pura	2233.71	0.2074	1	1116.857	1.116857
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Kulachaur PC	Meowal	2222.81	0.2064	1	1111.403	1.111403
Gujrat	Kharian	Sabore Ii QH	Bhaddar PC	Katwar	2208.26	0.2050	1	1104.131	1.104131
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Pilahauri	2196.14	0.2039	1	1098.071	1.098071
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.I PC	Gill	2192.51	0.2035	1	1096.253	1.096253
Gujrat	Gujrat	Gujrat-Ii QH	Qiladar PC	Butter	2187.66	0.2031	1	1093.829	1.093829
Gujrat	Gujrat	Kunjah I QH	Jamu Bola PC	Jamu Bola	2185.23	0.2029	1	1092.617	1.092617
Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Bashna	2176.75	0.2021	1	1088.375	1.088375
Gujrat	Gujrat	Piroshah I QH	Jalalpur Sobtian PC	Malikpur	2168.27	0.2013	1	1084.133	1.084133
Gujrat	Gujrat	Piroshah I QH	Santhal No.Ii PC	Bhoyia	2165.84	0.2011	1	1082.921	1.082921
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Dhillu Sharqi PC	Dhillu Sharqi	2157.36	0.2003	1	1078.679	1.078679
Gujrat	Gujrat	Gujrat-I QH	Sabowal No.I PC	Udhowal Kalan	2153.72	0.1999	1	1076.861	1.076861
Gujrat	Gujrat	Tanda I QH	Dhari Wal PC	Pejoke	2140.39	0.1987	1	1070.195	1.070195
Gujrat	Gujrat	Jalalpur Jattan I QH	Ranewal PC	Majra	2131.91	0.1979	1	1065.953	1.065953
Gujrat	Gujrat	Piroshah Ii QH	Hazara PC	Bhojpur	2122.21	0.1970	1	1061.105	1.061105
Gujrat	Gujrat	Tanda I QH	Bhilowal PC	Shah Jahani	2119.79	0.1968	1	1059.893	1.059893
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Bharaj PC	Bharaj	2118.57	0.1967	1	1059.287	1.059287
Gujrat	Gujrat	Kunjah I QH	Kang Sahali PC	Kang Sahali	2113.73	0.1962	1	1056.863	1.056863
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.Ii PC	Khunan	2113.73	0.1962	1	1056.863	1.056863
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.I PC	Jai Pur	2107.67	0.1957	1	1053.833	1.053833
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Poohla	2104.03	0.1953	1	1052.015	1.052015

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Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Gheeka	2100.39	0.1950	1	1050.197	1.050197
Gujrat	Kharian	Lala Musa Ii QH	Panjan Kisana PC	Chodho	2100.39	0.1950	1	1050.197	1.050197
Gujrat	Gujrat	Gujrat-Ii QH	Ali Pur PC	Alipur	2099.18	0.1949	1	1049.591	1.049591
Gujrat	Gujrat	Tanda I QH	Kasoke PC	Majoke	2091.91	0.1942	1	1045.955	1.045955
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Chak Budho	2089.49	0.1940	1	1044.743	1.044743
Gujrat	Sarai Alamgir	Dandi Nizam QH	Chaar PC	Sang	2085.85	0.1936	1	1042.925	1.042925
Gujrat	Gujrat	Piroshah I QH	Ajnala PC	Ajnala	2084.64	0.1935	1	1042.319	1.042319
Gujrat	Gujrat	Tanda I QH	Dhari Wal PC	Sheikh Ali Ke	2078.58	0.1930	1	1039.289	1.039289
Gujrat	Kharian	Dinga I QH	Rajoo PC	Khokhara	2078.58	0.1930	1	1039.289	1.039289
Gujrat	Kharian	Kharian-I QH	Marjan PC	Bidder	2074.94	0.1926	1	1037.471	1.037471
Gujrat	Gujrat	Piroshah I QH	Rupowal PC	Rupowal	2073.73	0.1925	1	1036.865	1.036865
Gujrat	Gujrat	Jalalpur Jattan I QH	Kot Amir Hussain PC	Kanqah Hafiz Hayat	2072.52	0.1924	1	1036.259	1.036259
Gujrat	Kharian	Lala Musa Ii QH	Panjan Kisana PC	Hakla	2071.31	0.1923	1	1035.653	1.035653
Gujrat	Kharian	Lala Musa I QH	Kulewala Shahna PC	Mundeer	2066.46	0.1918	1	1033.229	1.033229
Gujrat	Gujrat	Tanda Ii QH	Chak Shero PC	Sango	2064.03	0.1916	1	1032.017	1.032017
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.I PC	Bisua	2060.40	0.1913	1	1030.199	1.030199
Gujrat	Gujrat	Tanda I QH	Bhilowal PC	Menowal	2056.76	0.1909	1	1028.381	1.028381
Gujrat	Gujrat	Tanda Ii QH	Chak Qazi PC	Chak Bagga	2053.13	0.1906	1	1026.563	1.026563
Gujrat	Sarai Alamgir	Dandi Nizam QH	Besa PC	Balo Banian	2034.95	0.1889	1	1017.473	1.017473
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Jaggu PC	Qazi Baqir	2009.49	0.1865	1	1004.747	1.004747
Gujrat	Gujrat	Gujrat-I QH	Sabowal No.I PC	Pakhowal	2005.86	0.1862	1	1002.929	1.002929
Gujrat	Gujrat	Kunjah Ii QH	Jasoke PC	Kot Mauj Din	1.21	0.0001	1	0.606	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.Ii PC	Chak Sirwani	2.42	0.0002	1	1.212	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Bawrianwal PC	Changanwal	3.64	0.0003	1	1.818	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Bhawanj PC	Arazi Khuda Yar	3.64	0.0003	1	1.818	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Adalat Garh PC	Sunn	4.85	0.0005	1	2.424	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sarsal PC	Chak Allah Ditta	4.85	0.0005	1	2.424	1

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Gujrat	Gujrat	Kunjah Ii QH	Chak Saddu PC	Baz Garh	6.06	0.0006	1	3.030	1
Gujrat	Gujrat	Deonah I QH	Jhandewala PC	Chak Shianwala	7.27	0.0007	1	3.636	1
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Lohsar	8.48	0.0008	1	4.242	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Simble PC	Chak Mullan	9.70	0.0009	1	4.848	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Chak Rai Sultan	10.91	0.0010	1	5.454	1
Gujrat	Gujrat	Tanda I QH	Nanowal PC	Rakh Dhul	12.12	0.0011	1	6.060	1
Gujrat	Gujrat	Kunjah Ii QH	Chak Saddu PC	Kot Qutabuddin	13.33	0.0012	1	6.666	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Dhing Wal	14.54	0.0014	1	7.272	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Tibbi Chakwal	14.54	0.0014	1	7.272	1
Gujrat	Gujrat	Gujrat-I QH	Murrapur PC	Chak Rehana	18.18	0.0017	1	9.090	1
Gujrat	Gujrat	Kunjah Ii QH	Jasoke PC	Jaffarpur	18.18	0.0017	1	9.090	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Chaar PC	Chak Rai Bahadur	20.60	0.0019	1	10.302	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Tibbi Kisana	21.82	0.0020	1	10.908	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Gochh PC	Chak Assar	23.03	0.0021	1	11.514	1
Gujrat	Gujrat	Kunjah Ii QH	Jasoke PC	Santpura	27.88	0.0026	1	13.938	1
Gujrat	Gujrat	Kunjah Ii QH	Jasoke PC	Sapawat	27.88	0.0026	1	13.938	1
Gujrat	Gujrat	Kunjah Ii QH	Chak Saddu PC	Gobindpura	30.30	0.0028	1	15.150	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Pagwan PC	Kotli Minhas	33.94	0.0032	1	16.968	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kakrali PC	Tibbi Kalan	40.00	0.0037	1	19.998	1
Gujrat	Gujrat	Tanda I QH	Ramke Bhalpur PC	Chak Paniar	41.21	0.0038	1	20.604	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Mohla	42.42	0.0039	1	21.210	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Ummarwal	43.63	0.0041	1	21.816	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kakrali PC	Tibbi Khurd	43.63	0.0041	1	21.816	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Chak Nazar	52.12	0.0048	1	26.058	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Bhawanj PC	Dolo	59.39	0.0055	1	29.694	1
Gujrat	Gujrat	Kunjah I QH	Khanwali PC	Dewan Kot	63.02	0.0059	1	31.512	1

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Gujrat	Gujrat	Tanda I QH	Nanowal PC	Nanowal	63.02	0.0059	1	31.512	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Chak Sipper	67.87	0.0063	1	33.936	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.Ii PC	Chak Bhago	70.30	0.0065	1	35.148	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Bhag Nagar PC	Tibbi Bakhtawar	70.30	0.0065	1	35.148	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Gochh PC	Chak Sipper	73.93	0.0069	1	36.966	1
Gujrat	Kharian	Kharian-I QH	Dhuni PC	Bhakna Gorsi	75.14	0.0070	1	37.572	1
Gujrat	Gujrat	Tanda Ii QH	Matianwala PC	Chak Kandu	78.78	0.0073	1	39.390	1
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Chak Bangial	79.99	0.0074	1	39.996	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Kaulowala PC	Sayan	81.20	0.0075	1	40.602	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bhago Shahpur PC	Jagoorah	94.54	0.0088	1	47.268	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Naushehra Miana	99.38	0.0092	1	49.692	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Bhag Nagar PC	Jara	104.23	0.0097	1	52.116	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Lalooke	111.50	0.0104	1	55.752	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Bhag Nagar PC	Khana Langah (Tibbi)	111.50	0.0104	1	55.752	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Tibbi Kalal	126.05	0.0117	1	63.024	1
Gujrat	Gujrat	Piroshah I QH	Santhal No.Ii PC	Shamsh	138.17	0.0128	1	69.084	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Chodowal PC	Chodowal Chak	139.38	0.0129	1	69.690	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Ali Sher Mohota	146.65	0.0136	1	73.326	1
Gujrat	Gujrat	Piroshah I QH	Baharwal PC	Dauda	152.71	0.0142	1	76.356	1
Gujrat	Gujrat	Deonah Ii QH	Chukanwali PC	Thatti Rasoolpur Muftian	158.77	0.0147	1	79.386	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Tibbi Gangaram	158.77	0.0147	1	79.386	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mehmoodabad PC	Kot Miana	161.20	0.0150	1	80.598	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Pindi Awan PC	Tibbi Bangial	163.62	0.0152	1	81.810	1
Gujrat	Gujrat	Tanda Ii QH	Shampur PC	Chobara	168.47	0.0156	1	84.234	1
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Tibbi Mahal	180.59	0.0168	1	90.294	1
Gujrat	Gujrat	Gujrat-Ii QH	Kathala PC	Nat	185.44	0.0172	1	92.718	1

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Gujrat	Gujrat	Kunjah Ii QH	Chak Gillan PC	Kot Miana	186.65	0.0173	1	93.324	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Mahiwal	190.28	0.0177	1	95.142	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Achh PC	Chiddan	195.13	0.0181	1	97.566	1
Gujrat	Gujrat	Deonah Ii QH	Chechian PC	Paur	201.19	0.0187	1	100.596	1
Gujrat	Gujrat	Deonah Ii QH	Vainas PC	Chahwarri	209.68	0.0195	1	104.838	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Nabipur	236.34	0.0219	1	118.170	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhakari PC	Dhanwal	247.25	0.0230	1	123.624	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Hassan Karim	252.10	0.0234	1	126.048	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Chak Mansoora	254.52	0.0236	1	127.260	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Sadwal Khurd	267.85	0.0249	1	133.926	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Qasba Kariali PC	Tibbi Tan	269.06	0.0250	1	134.532	1
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Chandoo	276.34	0.0257	1	138.168	1
Gujrat	Kharian	Lala Musa I QH	Kulewala Shahna PC	Kulewal Gujran	276.34	0.0257	1	138.168	1
Gujrat	Gujrat	Deonah Ii QH	Musa PC	Sochet Garh	282.40	0.0262	1	141.198	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Bawrianwal PC	Lambhar	282.40	0.0262	1	141.198	1
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Tibbi Kharak	282.40	0.0262	1	141.198	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bhago Shahpur PC	Gurah Nangial	284.82	0.0264	1	142.410	1
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.I PC	Dhola	287.24	0.0267	1	143.622	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Cherraula PC	Chak Saidu Langa	293.30	0.0272	1	146.652	1
Gujrat	Kharian	Jaurah Ii QH	Longo PC	Hindo	305.42	0.0284	1	152.712	1
Gujrat	Gujrat	Piroshah I QH	Awan PC	Kulian	309.06	0.0287	1	154.530	1
Gujrat	Gujrat	Deonah Ii QH	Adhowal PC	Malhu	311.48	0.0289	1	155.742	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Adalat Garh PC	Khasa	311.48	0.0289	1	155.742	1
Gujrat	Kharian	Jaurah I QH	Karnana PC	Lambhor	311.48	0.0289	1	155.742	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Chak Rahman	312.70	0.0290	1	156.348	1
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Tibbi Seer	317.54	0.0295	1	158.772	1
Gujrat	Kharian	Kharian-Ii QH	Arrah PC	Chak Sandharia	317.54	0.0295	1	158.772	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujrat	Gujrat	Tanda Ii QH	Qurri PC	Rakh Marri	328.45	0.0305	1	164.226	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Pothi PC	Jhang	330.88	0.0307	1	165.438	1
Gujrat	Gujrat	Tanda Ii QH	Chak Shero PC	Nahirpur	335.72	0.0312	1	167.862	1
Gujrat	Gujrat	Deonah Ii QH	Musa PC	Kot Gogga	338.15	0.0314	1	169.074	1
Gujrat	Gujrat	Deonah Ii QH	Adhowal PC	Sahnwal Khurd	344.21	0.0320	1	172.104	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mandiala PC	Pindi Miani	352.69	0.0327	1	176.346	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Ram Garh	355.12	0.0330	1	177.558	1
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.I PC	Chak Darya	363.60	0.0338	1	181.800	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Nukhian	370.87	0.0344	1	185.436	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Chak Jaspal	373.30	0.0347	1	186.648	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Pindi Ajootas	378.14	0.0351	1	189.072	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sarsal PC	Chak Chohrpur	379.36	0.0352	1	189.678	1
Gujrat	Gujrat	Deonah I QH	Sadhri PC	Braham Vehra	390.26	0.0362	1	195.132	1
Gujrat	Gujrat	Piroshah Ii QH	Bhangran Wala PC	Chak Budha	392.69	0.0365	1	196.344	1
Gujrat	Kharian	Kharian-Ii QH	Sainthal PC	Chak Gondal	396.32	0.0368	1	198.162	1
Gujrat	Gujrat	Tanda I QH	Sheikh Chogani PC	Panj Dhera	404.81	0.0376	1	202.404	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Mohohata Kalan PC	Mohohata Kalan	406.02	0.0377	1	203.010	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Chak Dhillu	414.50	0.0385	1	207.252	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Changas PC	Dhok Muslam	415.72	0.0386	1	207.858	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Ranian	421.78	0.0392	1	210.888	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Kasanah	436.32	0.0405	1	218.160	1
Gujrat	Gujrat	Daulat Nagar I QH	Machiwal PC	Pindori	443.59	0.0412	1	221.796	1
Gujrat	Gujrat	Gujrat-Ii QH	Kathala PC	Pindi Tatar	454.50	0.0422	1	227.250	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Kotli	459.35	0.0426	1	229.674	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Mangowal Sharqi PC	Nandpur	462.98	0.0430	1	231.492	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Kilchpur PC	Chak Jaleelpur	466.62	0.0433	1	233.310	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Rai Chand	467.83	0.0434	1	233.916	1

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Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Bahlot Makhdum	472.68	0.0439	1	236.340	1
Gujrat	Gujrat	Gujrat-I QH	Mueen Ud Din Pur PC	Lallwarri	473.89	0.0440	1	236.946	1
Gujrat	Gujrat	Kunjah Ii QH	Langah PC	Kot Pir Shah	473.89	0.0440	1	236.946	1
Gujrat	Gujrat	Piroshah I QH	Ajnala PC	Chak Kataru	481.16	0.0447	1	240.582	1
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Tibbi Nandwal	481.16	0.0447	1	240.582	1
Gujrat	Gujrat	Piroshah Ii QH	Mahe PC	Fatalian	484.80	0.0450	1	242.400	1
Gujrat	Kharian	Lala Musa Ii QH	Hanj PC	Lohar Tibbi	486.01	0.0451	1	243.006	1
Gujrat	Kharian	Sabore I QH	Rathori PC	Ummarpur	488.44	0.0453	1	244.218	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Dholan	498.13	0.0462	1	249.066	1
Gujrat	Gujrat	Deonah Ii QH	Ditewal PC	Mata Thekria	501.77	0.0466	1	250.884	1
Gujrat	Gujrat	Deonah I QH	Gorsi PC	Thakkar Lohar	507.83	0.0471	1	253.914	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Pindi Awan PC	Chak Zafar Pur	509.04	0.0473	1	254.520	1
Gujrat	Kharian	Lala Musa Ii QH	Hanj PC	Suleman	515.10	0.0478	1	257.550	1
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Chohan Khurd	517.52	0.0480	1	258.762	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhumman Malka PC	Shahab Diwal	519.95	0.0483	1	259.974	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Thalla	524.80	0.0487	1	262.398	1
Gujrat	Gujrat	Tanda I QH	Dhari Wal PC	Hakim Pur	526.01	0.0488	1	263.004	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Dham	536.92	0.0498	1	268.458	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Mandi Bhalwal PC	Mohari	538.13	0.0500	1	269.064	1
Gujrat	Gujrat	Kunjah I QH	Gakhra Kalan PC	Gakhra Khurd	547.82	0.0509	1	273.912	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Dhau	549.04	0.0510	1	274.518	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Kaulowala PC	Chak Mero	556.31	0.0516	1	278.154	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Sango	572.06	0.0531	1	286.032	1
Gujrat	Kharian	Lala Musa Ii QH	Panjan Kisana PC	Kallan Wala	572.06	0.0531	1	286.032	1
Gujrat	Gujrat	Piroshah I QH	Santhal No.Ii PC	Bharunga	584.18	0.0542	1	292.092	1
Gujrat	Gujrat	Deonah Ii QH	Chechian PC	Changanwali	586.61	0.0545	1	293.304	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Kilchpur PC	Barrand	586.61	0.0545	1	293.304	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Kan	589.03	0.0547	1	294.516	1
Gujrat	Kharian	Kharian-I QH	Marjan PC	Thapla	593.88	0.0551	1	296.940	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.I PC	Kot Shams	595.09	0.0552	1	297.546	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dak PC	Shah Ghora	596.30	0.0554	1	298.152	1
Gujrat	Gujrat	Tanda I QH	Kasab PC	Kolian Bahar Shah	597.52	0.0555	1	298.758	1
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Noon	597.52	0.0555	1	298.758	1
Gujrat	Gujrat	Piroshah Ii QH	Baroo PC	Kela	598.73	0.0556	1	299.364	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Dammun Chak	598.73	0.0556	1	299.364	1
Gujrat	Kharian	Dinga Ii QH	Bhalesran Wala PC	Chak Lashkari	599.94	0.0557	1	299.970	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Changas PC	Warheena	602.36	0.0559	1	301.182	1
Gujrat	Gujrat	Tanda I QH	Kasoke PC	Chak Mullan	603.58	0.0560	1	301.788	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Saadatpur	604.79	0.0561	1	302.394	1
Gujrat	Gujrat	Kunjah I QH	Khanwali PC	Chak Wasan	606.00	0.0563	1	303.000	1
Gujrat	Gujrat	Gujrat-I QH	Murrapur PC	Balhar	610.85	0.0567	1	305.424	1
Gujrat	Gujrat	Piroshah I QH	Kotla Dhenda PC	Miana Chak	610.85	0.0567	1	305.424	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Jaidpur PC	Kait	614.48	0.0570	1	307.242	1
Gujrat	Gujrat	Tanda I QH	Bhagowal Kalan PC	Gondal	614.48	0.0570	1	307.242	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Dak PC	Marrar	619.33	0.0575	1	309.666	1
Gujrat	Gujrat	Daulat Nagar I QH	Makiana PC	Toor	621.76	0.0577	1	310.878	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.I PC	Dhal Dawool	624.18	0.0579	1	312.090	1
Gujrat	Kharian	Sabore I QH	Rajoowal PC	Misri	629.03	0.0584	1	314.514	1
Gujrat	Gujrat	Deonah I QH	Mahmood Chimna PC	Char	639.94	0.0594	1	319.968	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Thil Bakohal PC	Aima Shah Ji	642.36	0.0596	1	321.180	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Bhawanj PC	Malo	643.57	0.0597	1	321.786	1
Gujrat	Gujrat	Kunjah Ii QH	Qasim Abad PC	Kot Ghulam	653.27	0.0606	1	326.634	1
Gujrat	Kharian	Jaurah Ii QH	Dhau PC	Rau	653.27	0.0606	1	326.634	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Kot Amir Hussain PC	Burach	654.48	0.0608	1	327.240	1

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Gujrat	Gujrat	Deonah Ii QH	Saroke PC	Sheikh Quareshian	656.90	0.0610	1	328.452	1
Gujrat	Kharian	Kharian-I QH	Marjan PC	Abhal	656.90	0.0610	1	328.452	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Masumpur PC	Bhumble	656.90	0.0610	1	328.452	1
Gujrat	Gujrat	Tanda I QH	Bhilowal PC	Kot Mehro	660.54	0.0613	1	330.270	1
Gujrat	Gujrat	Kunjah I QH	Gurmali PC	Kot Nawan Lokal Mauruf	661.75	0.0614	1	330.876	1
Gujrat	Kharian	Sabore I QH	Bazurgwal PC	Yousaf	671.45	0.0623	1	335.724	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Tootian	672.66	0.0624	1	336.330	1
Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Sahdrian	679.93	0.0631	1	339.966	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Khanpur Gujran	679.93	0.0631	1	339.966	1
Gujrat	Kharian	Sabore I QH	Rajoowal PC	Rajoowal	682.36	0.0633	1	341.178	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Pindi Awan PC	Umooana	684.78	0.0636	1	342.390	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Bajjar	688.42	0.0639	1	344.208	1
Gujrat	Kharian	Jaurah Ii QH	Malwana PC	Kalas	692.05	0.0642	1	346.026	1
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Meowal	694.48	0.0645	1	347.238	1
Gujrat	Kharian	Dinga I QH	Rajoo PC	Rajoo	695.69	0.0646	1	347.844	1
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Pindi Hashim	698.11	0.0648	1	349.056	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Pagwan PC	Maddan	699.32	0.0649	1	349.662	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.Ii PC	Chhatanwala	711.44	0.0660	1	355.722	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Gotriala PC	Samrala	718.72	0.0667	1	359.358	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Chak Miana	719.93	0.0668	1	359.964	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Sohontra Khurd	729.62	0.0677	1	364.812	1
Gujrat	Kharian	Sabore I QH	Nagrian PC	Sahn Khurd	729.62	0.0677	1	364.812	1
Gujrat	Gujrat	Deonah I QH	Narowali PC	Tibbi Gorian	730.84	0.0678	1	365.418	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Alamgarh PC	Khiradian	736.90	0.0684	1	368.448	1
Gujrat	Kharian	Jaurah Ii QH	Longo PC	Chatta	738.11	0.0685	1	369.054	1
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Chak Gotra	740.53	0.0687	1	370.266	1

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Gujrat	Kharian	Dinga Ii QH	Chimman PC	Bakht Jamal	742.96	0.0690	1	371.478	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Masumpur PC	Har Chahal	744.17	0.0691	1	372.084	1
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Kotla Sahdan	745.38	0.0692	1	372.690	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Gilliwala PC	Nasowali	746.59	0.0693	1	373.296	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Chaar PC	Nandna	747.80	0.0694	1	373.902	1
Gujrat	Gujrat	Kunjah I QH	Kot Fatehdin PC	Kot Fatehdin	751.44	0.0698	1	375.720	1
Gujrat	Kharian	Dinga Ii QH	Tapiala PC	Kalu Sahi Khurd	751.44	0.0698	1	375.720	1
Gujrat	Gujrat	Deonah Ii QH	Chechian PC	Tibbi Singhowal	752.65	0.0699	1	376.326	1
Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Dehdar	757.50	0.0703	1	378.750	1
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Sood	757.50	0.0703	1	378.750	1
Gujrat	Gujrat	Deonah Ii QH	Kot Bela PC	Chahrah	758.71	0.0704	1	379.356	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Meera PC	Latian	762.35	0.0708	1	381.174	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Kharka PC	Chak Sikandar	762.35	0.0708	1	381.174	1
Gujrat	Gujrat	Deonah I QH	Gorsi PC	Giddian	763.56	0.0709	1	381.780	1
Gujrat	Gujrat	Kunjah I QH	Gurmali PC	Shah Jahani	769.62	0.0714	1	384.810	1
Gujrat	Gujrat	Kunjah Ii QH	Chak Saddu PC	Kot Nathu	769.62	0.0714	1	384.810	1
Gujrat	Kharian	Jaurah Ii QH	Malwana PC	Chikori Miani	774.47	0.0719	1	387.234	1
Gujrat	Kharian	Dinga Ii QH	Chimman PC	Rakh Kolanwala	775.68	0.0720	1	387.840	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Gorian	776.89	0.0721	1	388.446	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Ladha Sadha PC	Dehpai	779.32	0.0723	1	389.658	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thatta Musa PC	Kotli Shahani	779.32	0.0723	1	389.658	1
Gujrat	Kharian	Lala Musa Ii QH	Hanj PC	Bhutta	779.32	0.0723	1	389.658	1
Gujrat	Gujrat	Tanda I QH	Kasab PC	Dara	781.74	0.0726	1	390.870	1
Gujrat	Gujrat	Tanda Ii QH	Chak Shero PC	Bido Bhatti	781.74	0.0726	1	390.870	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Masumpur Toran	782.95	0.0727	1	391.476	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhumman Malka PC	Nanoo Handah	790.22	0.0734	1	395.112	1
Gujrat	Gujrat	Deonah Ii QH	Chukanwali PC	Kot Dharo	791.44	0.0735	1	395.718	1

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Gujrat	Gujrat	Deonah Ii QH	Ditewal PC	Banian	792.65	0.0736	1	396.324	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Ladha Sadha PC	Ladha	793.86	0.0737	1	396.930	1
Gujrat	Gujrat	Piroshah I QH	Rupowal Ii PC	Banian	793.86	0.0737	1	396.930	1
Gujrat	Gujrat	Piroshah I QH	Rupowal Ii PC	Kolian Hashim Shah	795.07	0.0738	1	397.536	1
Gujrat	Kharian	Sabore Ii QH	Langrial PC	Gotra	795.07	0.0738	1	397.536	1
Gujrat	Gujrat	Daulat Nagar I QH	Chakanwali PC	Hasta Ghagga	803.56	0.0746	1	401.778	1
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Sial	803.56	0.0746	1	401.778	1
Gujrat	Gujrat	Tanda Ii QH	Matianwala PC	Chak Lashkari	805.98	0.0748	1	402.990	1
Gujrat	Gujrat	Gujrat-Ii QH	Ratti PC	Rawalke	807.19	0.0749	1	403.596	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Dilawar Pur PC	Marjan	807.19	0.0749	1	403.596	1
Gujrat	Kharian	Dinga Ii QH	Kolian Hussain PC	Mir Khani	809.62	0.0752	1	404.808	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Hira Garh	810.83	0.0753	1	405.414	1
Gujrat	Gujrat	Deonah Ii QH	Musa PC	Serojeeda	815.68	0.0757	1	407.838	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Meera PC	Pindi	815.68	0.0757	1	407.838	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Bido	816.89	0.0758	1	408.444	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Ranial	816.89	0.0758	1	408.444	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Ranewal PC	Chak Khair Din	821.74	0.0763	1	410.868	1
Gujrat	Kharian	Lala Musa I QH	Chokar Kalan PC	Heer Pur	824.16	0.0765	1	412.080	1
Gujrat	Kharian	Kharian-Ii QH	Arrah PC	Piara	825.37	0.0766	1	412.686	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Kulachaur PC	Tibbi Pipli	827.80	0.0768	1	413.898	1
Gujrat	Gujrat	Deonah Ii QH	Vainas PC	Vainas	829.01	0.0770	1	414.504	1
Gujrat	Kharian	Jaurah Ii QH	Randheer PC	Dinga Khurd	829.01	0.0770	1	414.504	1
Gujrat	Gujrat	Deonah Ii QH	Majra PC	Chak Bega	830.22	0.0771	1	415.110	1
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Chak Ikhalas	830.22	0.0771	1	415.110	1
Gujrat	Gujrat	Kunjah Ii QH	Jheoranwali PC	Chak Dhillu	832.64	0.0773	1	416.322	1
Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Luqman	835.07	0.0775	1	417.534	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Paharwal	837.49	0.0777	1	418.746	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Gujrat	Kharian	Dinga Ii QH	Tapiala PC	Sher Garh	838.70	0.0779	1	419.352	1
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Dau	841.13	0.0781	1	420.564	1
Gujrat	Kharian	Jaurah Ii QH	Longo PC	Tibbi Ilyas	849.61	0.0789	1	424.806	1
Gujrat	Gujrat	Piroshah Ii QH	Baroo PC	Dliekllu	855.67	0.0794	1	427.836	1
Gujrat	Gujrat	Kunjah I QH	Jahangir Pur PC	Jahangir Pur	858.10	0.0797	1	429.048	1
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Gajju	858.10	0.0797	1	429.048	1
Gujrat	Gujrat	Gujrat-Ii QH	Chak Sada PC	Kaleki	860.52	0.0799	1	430.260	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Bawrianwal PC	Bawrianwal	866.58	0.0804	1	433.290	1
Gujrat	Gujrat	Daulat Nagar I QH	Chandala PC	Jajowal	867.79	0.0806	1	433.896	1
Gujrat	Gujrat	Kunjah I QH	Keeranwala Khas PC	Noshera	867.79	0.0806	1	433.896	1
Gujrat	Kharian	Jaurah Ii QH	Fatta Bhand PC	Malhu	867.79	0.0806	1	433.896	1
Gujrat	Kharian	Lala Musa Ii QH	Saida Baraham PC	Chatta	876.28	0.0813	1	438.138	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Chak Shakarpur	877.49	0.0815	1	438.744	1
Gujrat	Kharian	Dinga I QH	Chak Jani PC	Chak No.35	883.55	0.0820	1	441.774	1
Gujrat	Kharian	Jaurah I QH	Sahdrian PC	Ojhrian	883.55	0.0820	1	441.774	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Gilliwala PC	Chak Dhillu	885.97	0.0822	1	442.986	1
Gujrat	Gujrat	Kunjah I QH	Jamu Bola PC	Rupoke	885.97	0.0822	1	442.986	1
Gujrat	Gujrat	Kunjah I QH	Khanwali PC	Nawan Lok	887.18	0.0824	1	443.592	1
Gujrat	Gujrat	Piroshah Ii QH	Bhangran Wala PC	Sirhali Kalan	887.18	0.0824	1	443.592	1
Gujrat	Kharian	Jaurah Ii QH	Bhau Ghasitpur PC	Mehnowal	889.61	0.0826	1	444.804	1
Gujrat	Gujrat	Deonah Ii QH	Saroke PC	Chak Qazi	892.03	0.0828	1	446.016	1
Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Fateh Garh	896.88	0.0833	1	448.440	1
Gujrat	Gujrat	Daulat Nagar I QH	Mello PC	Chuhr Chak	900.52	0.0836	1	450.258	1
Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Kotla Bahlot	900.52	0.0836	1	450.258	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Murrarian No.I PC	Kher Ghansar	902.94	0.0838	1	451.470	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.I PC	Jhamat Nau Abad	905.36	0.0840	1	452.682	1
Gujrat	Kharian	Lala Musa I QH	Paswal PC	Chorchekori	910.21	0.0845	1	455.106	1

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Gujrat	Kharian	Kharian-I QH	Dhuni PC	Dehdar	912.64	0.0847	1	456.318	1
Gujrat	Gujrat	Gujrat-Ii QH	Ratti PC	Kotli Kandu	915.06	0.0849	1	457.530	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Dilawar Pur PC	Saida	916.27	0.0851	1	458.136	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Dhillu Sharqi PC	Changanwali	917.48	0.0852	1	458.742	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Rasulpur	923.54	0.0857	1	461.772	1
Gujrat	Kharian	Lala Musa I QH	Kotla Sarang Khan PC	Thargalla	924.76	0.0858	1	462.378	1
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.Ii PC	Kohli	934.45	0.0867	1	467.226	1
Gujrat	Gujrat	Deonah I QH	Murarian PC	Tibbi Ghauspur	935.66	0.0869	1	467.832	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Dadu Barsala	936.88	0.0870	1	468.438	1
Gujrat	Gujrat	Kunjah Ii QH	Ishra No.Ii PC	Kakka	938.09	0.0871	1	469.044	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Taluka	949.00	0.0881	1	474.498	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No. 53 PC	Qazi Karam Shah	949.00	0.0881	1	474.498	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Hittar	951.42	0.0883	1	475.710	1
Gujrat	Kharian	Jaurah I QH	Mughli PC	Monian	952.63	0.0884	1	476.316	1
Gujrat	Kharian	Jaurah Ii QH	Longo PC	Nigrian	957.48	0.0889	1	478.740	1
Gujrat	Kharian	Lala Musa I QH	Kotla Sarang Khan PC	Jalal Din	957.48	0.0889	1	478.740	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Chak Kala PC	Shah Jahani	961.12	0.0892	1	480.558	1
Gujrat	Kharian	Jaurah I QH	Bagrian Wala PC	Chak Hakim	964.75	0.0896	1	482.376	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Simble PC	Dhangrot	979.30	0.0909	1	489.648	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Awana	980.51	0.0910	1	490.254	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Mala Gar	980.51	0.0910	1	490.254	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Rajpur	981.72	0.0911	1	490.860	1
Gujrat	Gujrat	Tanda I QH	Sheikh Chogani PC	Sheikh Chogani	982.93	0.0912	1	491.466	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Chuhrpur	984.14	0.0914	1	492.072	1
Gujrat	Gujrat	Deonah I QH	Chak Pindi PC	Sadhoke	985.36	0.0915	1	492.678	1
Gujrat	Kharian	Kharian-I QH	Mohri PC	Kotha	985.36	0.0915	1	492.678	1

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Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Murrali	991.42	0.0920	1	495.708	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Raseed Pur PC	Shakrila	999.90	0.0928	1	499.950	1
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Bega	1002.32	0.0930	1	501.162	1
Gujrat	Gujrat	Gujrat-I QH	Madina PC	Dehdar	1005.96	0.0934	1	502.980	1
Gujrat	Gujrat	Piroshah I QH	Rupowal PC	Rasulpur	1009.60	0.0937	1	504.798	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Alamgarh PC	Dhillu Gharbi	1016.87	0.0944	1	508.434	1
Gujrat	Gujrat	Piroshah Ii QH	Bhangran Wala PC	Tibbi Dhalu	1020.50	0.0947	1	510.252	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Mukrian	1024.14	0.0951	1	512.070	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Bhidana	1032.62	0.0959	1	516.312	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Isawal	1032.62	0.0959	1	516.312	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Chak Teero	1036.26	0.0962	1	518.130	1
Gujrat	Gujrat	Daulat Nagar I QH	Mello PC	Harbaspur	1043.53	0.0969	1	521.766	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Jaso Sarai	1043.53	0.0969	1	521.766	1
Gujrat	Kharian	Jaurah I QH	Ranian PC	Bhanian	1055.65	0.0980	1	527.826	1
Gujrat	Kharian	Sabore I QH	Bhand Garan PC	Chak Kalu	1056.86	0.0981	1	528.432	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Rasool Pur PC	Noora	1060.50	0.0985	1	530.250	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Kot Ranjah	1064.14	0.0988	1	532.068	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Rahesi	1065.35	0.0989	1	532.674	1
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Bahlot Rasu	1065.35	0.0989	1	532.674	1
Gujrat	Gujrat	Deonah Ii QH	Vainas PC	Shahabdinwal	1066.56	0.0990	1	533.280	1
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Samralla	1066.56	0.0990	1	533.280	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Changas PC	Changas	1073.83	0.0997	1	536.916	1
Gujrat	Kharian	Sabore I QH	Bazurgwal PC	Farakhpur	1076.26	0.0999	1	538.128	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Gujjar Kotla	1078.68	0.1001	1	539.340	1
Gujrat	Kharian	Jaurah Ii QH	Bido PC	Dhok Gojran	1081.10	0.1004	1	540.552	1
Gujrat	Kharian	Kharian-I QH	Baghanwala PC	Gher	1084.74	0.1007	1	542.370	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Dhing	1084.74	0.1007	1	542.370	1

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Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Phambra	1087.16	0.1009	1	543.582	1
Gujrat	Gujrat	Gujrat-Ii QH	Chak Sada PC	Kot Pato	1089.59	0.1012	1	544.794	1
Gujrat	Gujrat	Piroshah Ii QH	Mahe PC	Kharian Khurd	1089.59	0.1012	1	544.794	1
Gujrat	Kharian	Jaurah I QH	Karnana PC	Rakh Dand	1089.59	0.1012	1	544.794	1
Gujrat	Gujrat	Piroshah Ii QH	Karian Wala PC	Chhala	1093.22	0.1015	1	546.612	1
Gujrat	Kharian	Kharian-I QH	Borian Wali PC	Murrali	1096.86	0.1018	1	548.430	1
Gujrat	Gujrat	Piroshah I QH	Rupowal PC	Rangra	1098.07	0.1019	1	549.036	1
Gujrat	Kharian	Dinga Ii QH	Chak Mahmood PC	Sooliwind	1100.50	0.1022	1	550.248	1
Gujrat	Kharian	Jaurah I QH	Mughli PC	Chak Hussa	1102.92	0.1024	1	551.460	1
Gujrat	Kharian	Dinga Ii QH	Topa Usman PC	Giratian	1104.13	0.1025	1	552.066	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.I PC	Tibbi Zinda	1104.13	0.1025	1	552.066	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Rahian	1106.56	0.1027	1	553.278	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Chechian Shamas PC	Chak Kallal	1116.25	0.1036	1	558.126	1
Gujrat	Kharian	Sabore Ii QH	Bhaddar PC	Phularwan	1116.25	0.1036	1	558.126	1
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Haji Muhammad	1117.46	0.1037	1	558.732	1
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Bhatti	1118.68	0.1039	1	559.338	1
Gujrat	Gujrat	Piroshah Ii QH	Hazara PC	Harar	1121.10	0.1041	1	560.550	1
Gujrat	Gujrat	Gujrat-Ii QH	Mohla PC	Goriaya	1124.74	0.1044	1	562.368	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Fatehpur PC	Tibbi Bhoosa	1127.16	0.1046	1	563.580	1
Gujrat	Kharian	Dinga Ii QH	Chimman PC	Wudhrai	1129.58	0.1049	1	564.792	1
Gujrat	Gujrat	Kunjah I QH	Ishra No.I PC	Dhurke	1130.80	0.1050	1	565.398	1
Gujrat	Gujrat	Kunjah Ii QH	Chak Saddu PC	Chak Saddu	1134.43	0.1053	1	567.216	1
Gujrat	Gujrat	Piroshah I QH	Kalas PC	Kalas	1135.64	0.1054	1	567.822	1
Gujrat	Gujrat	Kunjah Ii QH	Ishra No.Ii PC	Dalia	1136.86	0.1055	1	568.428	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Mekan	1139.28	0.1058	1	569.640	1
Gujrat	Gujrat	Deonah I QH	Haria Wala PC	(Gidder Kot) Gondal Kot	1148.98	0.1067	1	574.488	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Pir Khana PC	Moja	1153.82	0.1071	1	576.912	1

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Gujrat	Gujrat	Tanda I QH	Sheikh Chogani PC	Hittar	1156.25	0.1073	1	578.124	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Cherraula PC	Bir Kharana	1156.25	0.1073	1	578.124	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Khanowal	1158.67	0.1076	1	579.336	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Cherraula PC	Machhora	1158.67	0.1076	1	579.336	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Pindi Khokharan(Telian)	1159.88	0.1077	1	579.942	1
Gujrat	Kharian	Dinga I QH	Chak Jani PC	Shah Quli	1162.31	0.1079	1	581.154	1
Gujrat	Kharian	Jaurah Ii QH	Dhau PC	Dhau	1162.31	0.1079	1	581.154	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhumman Malka PC	Shah Jahani	1165.94	0.1082	1	582.972	1
Gujrat	Gujrat	Tanda Ii QH	Chak Qazi PC	Chak Qazi	1165.94	0.1082	1	582.972	1
Gujrat	Gujrat	Tanda Ii QH	Shampur PC	Shampur	1169.58	0.1086	1	584.790	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Bharaj PC	Kot Ranjha	1170.79	0.1087	1	585.396	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Akia	1173.22	0.1089	1	586.608	1
Gujrat	Gujrat	Deonah I QH	Gorsi PC	Gorsi	1175.64	0.1091	1	587.820	1
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.Ii PC	Uda	1176.85	0.1093	1	588.426	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Gochh PC	Gurrah Nattan	1178.06	0.1094	1	589.032	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Dhumman Malka PC	Majra	1179.28	0.1095	1	589.638	1
Gujrat	Gujrat	Deonah I QH	Mahmood Chimna PC	Boora Banth	1180.49	0.1096	1	590.244	1
Gujrat	Gujrat	Gujrat-Ii QH	Ali Pur PC	Kot Randhawa	1180.49	0.1096	1	590.244	1
Gujrat	Kharian	Kharian-I QH	Dhuni PC	Awana	1190.18	0.1105	1	595.092	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Jaidpur PC	Darua	1197.46	0.1112	1	598.728	1
Gujrat	Kharian	Kharian-Ii QH	Sehna PC	Chak Sajwal	1198.67	0.1113	1	599.334	1
Gujrat	Kharian	Kharian-Ii QH	Sehna PC	Ganjial	1202.30	0.1116	1	601.152	1
Gujrat	Gujrat	Tanda I QH	Randhir PC	Shakar Kot	1207.15	0.1121	1	603.576	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Bazurg PC	Dhanokok	1219.27	0.1132	1	609.636	1
Gujrat	Kharian	Dinga Ii QH	Tapiala PC	Kalu Sahi Kalan	1221.70	0.1134	1	610.848	1
Gujrat	Gujrat	Kunjah I QH	Gurmali PC	Gurmali	1230.18	0.1142	1	615.090	1

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Gujrat	Gujrat	Tanda Ii QH	Matianwala PC	Najjan	1232.60	0.1144	1	616.302	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Saido Langar	1241.09	0.1152	1	620.544	1
Gujrat	Gujrat	Gujrat-I QH	Gorali PC	Malkowala	1242.30	0.1153	1	621.150	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.I PC	Bhoian	1242.30	0.1153	1	621.150	1
Gujrat	Kharian	Dinga Ii QH	Chak Mahmood PC	Chak Miana Sheikh Sehari	1244.72	0.1156	1	622.362	1
Gujrat	Kharian	Jaurah I QH	Mughli PC	Thikrian	1249.57	0.1160	1	624.786	1
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Sangrana	1256.84	0.1167	1	628.422	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Phira Kauthan	1256.84	0.1167	1	628.422	1
Gujrat	Gujrat	Deonah Ii QH	Majra PC	Chak Beg	1267.75	0.1177	1	633.876	1
Gujrat	Gujrat	Piroshah I QH	Gharera PC	Rangpur	1271.39	0.1180	1	635.694	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Metar	1271.39	0.1180	1	635.694	1
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Bugnan	1272.60	0.1181	1	636.300	1
Gujrat	Gujrat	Daulat Nagar I QH	Sarai Dhing PC	Laambrah	1275.02	0.1184	1	637.512	1
Gujrat	Gujrat	Kunjah I QH	Kot Allah Bux PC	Kunjahri	1276.24	0.1185	1	638.118	1
Gujrat	Kharian	Sabore I QH	Bhand Garan PC	Mandher	1277.45	0.1186	1	638.724	1
Gujrat	Gujrat	Piroshah Ii QH	Mahe PC	Mahe	1281.08	0.1189	1	640.542	1
Gujrat	Gujrat	Gujrat-I QH	Murrapur PC	Poorba	1283.51	0.1192	1	641.754	1
Gujrat	Gujrat	Daulat Nagar I QH	Makiana PC	Banth	1284.72	0.1193	1	642.360	1
Gujrat	Kharian	Sabore I QH	Rathori PC	Rathori	1288.35	0.1196	1	644.177	1
Gujrat	Gujrat	Deonah I QH	Haria Wala PC	Jamna	1294.41	0.1202	1	647.207	1
Gujrat	Gujrat	Piroshah Ii QH	Hazara PC	Do-Khua	1294.41	0.1202	1	647.207	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Vedan PC	Kotli Vedan	1296.84	0.1204	1	648.419	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Gochh PC	Assar	1301.69	0.1208	1	650.843	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Sikandar No 30 PC	Bije Ran	1301.69	0.1208	1	650.843	1
Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Dhal Kalu	1308.96	0.1215	1	654.479	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khambi PC	Bharote	1308.96	0.1215	1	654.479	1

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Gujrat	Gujrat	Jalalpur Jattan I QH	Kot Nikka PC	Kot Nikka	1312.59	0.1219	1	656.297	1
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.Ii PC	Jhandoo	1313.81	0.1220	1	656.903	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Jaidpur PC	Jaidpur	1322.29	0.1228	1	661.145	1
Gujrat	Kharian	Sabore I QH	Rathori PC	Chak Fazal	1325.93	0.1231	1	662.963	1
Gujrat	Gujrat	Deonah Ii QH	Chechian PC	Chechian	1327.14	0.1232	1	663.569	1
Gujrat	Gujrat	Deonah Ii QH	Majra PC	Chak Chohdo	1329.56	0.1234	1	664.781	1
Gujrat	Gujrat	Piroshah I QH	Gharera PC	Jalipwal	1339.26	0.1243	1	669.629	1
Gujrat	Gujrat	Tanda I QH	Nanowal PC	Nat Sharke	1342.89	0.1247	1	671.447	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sadwal Kalan PC	Adam Chohan	1342.89	0.1247	1	671.447	1
Gujrat	Gujrat	Piroshah I QH	Kotla Dhenda PC	Braham Chak	1344.11	0.1248	1	672.053	1
Gujrat	Gujrat	Piroshah Ii QH	Mahe PC	Jeendar Kalan	1345.32	0.1249	1	672.659	1
Gujrat	Gujrat	Piroshah I QH	Ajnala PC	Ghoral	1347.74	0.1251	1	673.871	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.I PC	Khunan	1352.59	0.1256	1	676.295	1
Gujrat	Gujrat	Gujrat-I QH	Murrapur PC	Murrapur	1355.01	0.1258	1	677.507	1
Gujrat	Kharian	Jaurah Ii QH	Dhau PC	Wassan	1357.44	0.1260	1	678.719	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Changas PC	Dhok Amralan	1361.07	0.1264	1	680.537	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Gilliwala PC	Gilliwala	1362.29	0.1265	1	681.143	1
Gujrat	Gujrat	Deonah I QH	Gorsi PC	Sohal Gharbi	1363.50	0.1266	1	681.749	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Qasba Kariali PC	Dhal	1364.71	0.1267	1	682.355	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Rasool Pur PC	Raseeda	1367.13	0.1269	1	683.567	1
Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Dheenda Khurd	1367.13	0.1269	1	683.567	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Memey Khurd PC	Chak Natha	1368.35	0.1270	1	684.173	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Bhagowal Khurd PC	Khewa	1374.41	0.1276	1	687.203	1
Gujrat	Gujrat	Piroshah I QH	Santhal No.I PC	Handa	1374.41	0.1276	1	687.203	1
Gujrat	Gujrat	Piroshah I QH	Santhal No.Ii PC	Dhode	1375.62	0.1277	1	687.809	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kharana PC	Dhoda	1381.68	0.1283	1	690.839	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Bazurg PC	Hanj	1385.31	0.1286	1	692.657	1

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Gujrat	Gujrat	Daulat Nagar Ii QH	Chodowal PC	Karim Dad	1386.53	0.1287	1	693.263	1
Gujrat	Kharian	Kharian-Ii QH	Sainthal PC	Bharote	1392.59	0.1293	1	696.293	1
Gujrat	Kharian	Kharian-Ii QH	Sehna PC	Tehal	1397.43	0.1297	1	698.717	1
Gujrat	Gujrat	Daulat Nagar I QH	Doga PC	Barsah	1401.07	0.1301	1	700.535	1
Gujrat	Gujrat	Deonah I QH	Deonah PC	Majra	1403.49	0.1303	1	701.747	1
Gujrat	Gujrat	Tanda Ii QH	Barrila PC	Gegian	1405.92	0.1305	1	702.959	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Thuta Rai Bahadur PC	Malakpur	1405.92	0.1305	1	702.959	1
Gujrat	Gujrat	Daulat Nagar I QH	Chandala PC	Jamman	1409.55	0.1309	1	704.777	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Chak Kala PC	Rambrianwala	1409.55	0.1309	1	704.777	1
Gujrat	Gujrat	Kunjah I QH	Kot Allah Bux PC	Kot Allah Bux	1409.55	0.1309	1	704.777	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Sarsal PC	Sangla	1409.55	0.1309	1	704.777	1
Gujrat	Gujrat	Gujrat-Ii QH	Mohla PC	Tara Garh Kalan	1413.19	0.1312	1	706.595	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Kaulowala PC	Kaulowala	1419.25	0.1318	1	709.625	1
Gujrat	Kharian	Lala Musa I QH	Paswal PC	Saprai	1420.46	0.1319	1	710.231	1
Gujrat	Gujrat	Kunjah I QH	Ishra No.I PC	Chakorah	1422.89	0.1321	1	711.443	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Daudoosagra PC	Kakrot	1422.89	0.1321	1	711.443	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Achh PC	Sohal	1424.10	0.1322	1	712.049	1
Gujrat	Kharian	Dinga Ii QH	Khoja PC	Sagar Dhariwal	1426.52	0.1324	1	713.261	1
Gujrat	Gujrat	Tanda I QH	Chopala PC	Tirrigari	1428.95	0.1327	1	714.473	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Chak Kamala	1433.79	0.1331	1	716.897	1
Gujrat	Kharian	Dinga Ii QH	Dhandala Dhandali PC	Subhan	1439.85	0.1337	1	719.927	1
Gujrat	Gujrat	Piroshah I QH	Malakpur Khurd PC	Malakpur Kalan	1443.49	0.1340	1	721.745	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Kalwal	1447.13	0.1343	1	723.563	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Rariala	1451.97	0.1348	1	725.987	1
Gujrat	Gujrat	Tanda I QH	Ramke Bhalpur PC	Chak Mirzali	1460.46	0.1356	1	730.229	1
Gujrat	Kharian	Kharian-I QH	Baghanwala PC	Chak Kamal	1461.67	0.1357	1	730.835	1
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.Ii PC	Chikora	1462.88	0.1358	1	731.441	1

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Gujrat	Gujrat	Daulat Nagar Ii QH	Chodowal PC	Bathoowal	1465.31	0.1360	1	732.653	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Chachowal PC	Chachowal	1466.52	0.1361	1	733.259	1
Gujrat	Kharian	Jaurah I QH	Ranian PC	Ranian	1468.94	0.1364	1	734.471	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khambi PC	Kastiela	1472.58	0.1367	1	736.289	1
Gujrat	Kharian	Lala Musa Ii QH	Panjan Kisana PC	Chak Pirana	1479.85	0.1374	1	739.925	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Khidariala PC	Narowal	1483.49	0.1377	1	741.743	1
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Bosal	1484.70	0.1378	1	742.349	1
Gujrat	Gujrat	Kunjah I QH	Jahangir Pur PC	Juliani	1487.12	0.1381	1	743.561	1
Gujrat	Kharian	Jaurah I QH	Mughli PC	Mughli	1489.55	0.1383	1	744.773	1
Gujrat	Gujrat	Gujrat-I QH	Chak Boola PC	Chak Boola	1491.97	0.1385	1	745.985	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Bhag Nagar PC	Mamazpur	1493.18	0.1386	1	746.591	1
Gujrat	Gujrat	Daulat Nagar I QH	Bokan PC	Bokan	1495.61	0.1388	1	747.803	1
Gujrat	Kharian	Dinga I QH	Rajoo PC	Budhowal	1499.24	0.1392	1	749.621	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Shahpur	1501.67	0.1394	1	750.833	1
Gujrat	Gujrat	Kunjah I QH	Kot Fatehdin PC	Dumnianwali	1504.09	0.1396	1	752.045	1
Gujrat	Kharian	Jaurah I QH	Ban Kalas PC	Ban Kalas	1505.30	0.1397	1	752.651	1
Gujrat	Gujrat	Deonah I QH	Haria Wala PC	Chak Lala	1508.94	0.1401	1	754.469	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Dhillu Sharqi PC	Mehtpur Langa	1510.15	0.1402	1	755.075	1
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Jatria Khurd	1513.79	0.1405	1	756.893	1
Gujrat	Kharian	Sabore I QH	Rajoowal PC	Sahn Kalan	1515.00	0.1406	1	757.499	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bulani PC	Chak Qaim	1517.42	0.1409	1	758.711	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Chachowal PC	Jaggu	1518.63	0.1410	1	759.317	1
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Tibbi Dhuliari	1523.48	0.1414	1	761.741	1
Gujrat	Gujrat	Piroshah I QH	Awan PC	Chohan	1524.69	0.1415	1	762.347	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Manglia	1527.12	0.1418	1	763.559	1
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Mughli	1528.33	0.1419	1	764.165	1

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Gujrat	Kharian	Kharian-Ii QH	Bhagwal PC	Shorian	1530.75	0.1421	1	765.377	1
Gujrat	Gujrat	Gujrat-I QH	Chak Boola PC	Tibbi Sikhuan	1534.39	0.1424	1	767.195	1
Gujrat	Gujrat	Kunjah Ii QH	Ishra No.Ii PC	Jabboke	1536.81	0.1427	1	768.407	1
Gujrat	Kharian	Dinga Ii QH	Dhandala Dhandali PC	Kisana	1538.03	0.1428	1	769.013	1
Gujrat	Gujrat	Tanda Ii QH	Barrila PC	Hadka	1540.45	0.1430	1	770.225	1
Gujrat	Gujrat	Deonah Ii QH	Ditewal PC	Saho Lakho	1541.66	0.1431	1	770.831	1
Gujrat	Kharian	Dinga Ii QH	Bhalesran Wala PC	Bhaknanwali	1547.72	0.1437	1	773.861	1
Gujrat	Gujrat	Piroshah Ii QH	Hajiwala PC	Lohsar	1551.36	0.1440	1	775.679	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Meera PC	Chechian	1557.42	0.1446	1	778.709	1
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Dhup Sarri	1562.27	0.1450	1	781.133	1
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.I PC	Gurdanan Wala	1565.90	0.1454	1	782.951	1
Gujrat	Kharian	Jaurah Ii QH	Randheer PC	Chimber	1565.90	0.1454	1	782.951	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Meerdah	1568.33	0.1456	1	784.163	1
Gujrat	Kharian	Lala Musa I QH	Sedagol PC	Qazi Imam Shah	1574.39	0.1462	1	787.193	1
Gujrat	Gujrat	Deonah I QH	Mahmood Chimna PC	Mahmood Chimna	1579.23	0.1466	1	789.617	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Gilliwala PC	Sohal Khurd	1579.23	0.1466	1	789.617	1
Gujrat	Gujrat	Piroshah I QH	Rupowal Ii PC	Lahorian	1582.87	0.1469	1	791.435	1
Gujrat	Gujrat	Deonah I QH	Deonah PC	Nikowani	1592.57	0.1478	1	796.283	1
Gujrat	Kharian	Sabore I QH	Bazurgwal PC	Sandoa	1596.20	0.1482	1	798.101	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Khal PC	Khal	1597.41	0.1483	1	798.707	1
Gujrat	Gujrat	Kunjah I QH	Ishra No.I PC	Kahna	1601.05	0.1486	1	800.525	1
Gujrat	Gujrat	Deonah I QH	Jhandewala PC	Chak Saro	1602.26	0.1487	1	801.131	1
Gujrat	Kharian	Kharian-Ii QH	Arrah PC	Arah	1603.47	0.1489	1	801.737	1
Gujrat	Gujrat	Piroshah I QH	Baharwal PC	Baharwal	1605.90	0.1491	1	802.949	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Choha PC	Gaddi Gurrah	1605.90	0.1491	1	802.949	1
Gujrat	Kharian	Lala Musa I QH	Khawaspur PC	Murrarian	1610.75	0.1495	1	805.373	1
Gujrat	Kharian	Jaurah I QH	Dekkran Wali PC	Chak Jani Sharqi	1613.17	0.1498	1	806.585	1

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Gujrat	Kharian	Kharian-I QH	Baghanwala PC	Dhal Aroora	1613.17	0.1498	1	806.585	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Chachowal PC	Darian	1618.02	0.1502	1	809.009	1
Gujrat	Gujrat	Kunjah I QH	Khunan No.I PC	Kot Matta	1619.23	0.1503	1	809.615	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Meera PC	Hassan Dheenda	1620.44	0.1504	1	810.221	1
Gujrat	Gujrat	Gujrat-I QH	Sook Kalan PC	Gujarpur	1631.35	0.1514	1	815.675	1
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Chohan Kalan	1634.99	0.1518	1	817.493	1
Gujrat	Kharian	Sabore I QH	Nagrian PC	Kalas	1636.20	0.1519	1	818.099	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Banuta	1638.62	0.1521	1	819.311	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Jhantla	1647.11	0.1529	1	823.553	1
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Paal	1648.32	0.1530	1	824.159	1
Gujrat	Gujrat	Daulat Nagar I QH	Makiana PC	Gandhra Kalan	1649.53	0.1531	1	824.765	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Kot Amir Hussain PC	Hardaspur	1653.17	0.1535	1	826.583	1
Gujrat	Gujrat	Piroshah I QH	Kotla Dhenda PC	Kotla Dhenda	1659.23	0.1540	1	829.613	1
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Kotli Shah Jehani	1664.07	0.1545	1	832.037	1
Gujrat	Kharian	Jaurah Ii QH	Longo PC	Longo	1665.29	0.1546	1	832.643	1
Gujrat	Kharian	Kharian-Ii QH	Sehna PC	Norang	1665.29	0.1546	1	832.643	1
Gujrat	Kharian	Sabore I QH	Bhand Garan PC	Bhand Garan	1666.50	0.1547	1	833.249	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Cherraula PC	Nandwal	1668.92	0.1549	1	834.461	1
Gujrat	Gujrat	Deonah Ii QH	Musa Kamala PC	Dhaul Sarai	1676.19	0.1556	1	838.097	1
Gujrat	Kharian	Jaurah I QH	Ban Kalas PC	Dhola	1677.41	0.1557	1	838.703	1
Gujrat	Kharian	Jaurah Ii QH	Kharari Wala Kalan No.I PC	Khararíwala Khurd	1682.25	0.1562	1	841.127	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Tulla	1696.80	0.1575	1	848.399	1
Gujrat	Kharian	Kharian-I QH	Baharwal PC	Mehrojpur	1698.01	0.1576	1	849.005	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Achh PC	Achh	1711.34	0.1589	1	855.671	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Shahbaz Pur PC	Shahbaz Pur	1712.55	0.1590	1	856.277	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Thuta Rai Bahadur PC	Sadwal Brahiminan	1712.55	0.1590	1	856.277	1

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Gujrat	Gujrat	Deonah Ii QH	Kot Bela PC	Kot Bela	1713.77	0.1591	1	856.883	1
Gujrat	Gujrat	Deonah I QH	Thatta Pur PC	Bega	1714.98	0.1592	1	857.489	1
Gujrat	Gujrat	Daulat Nagar I QH	Makiana PC	Ugowal	1716.19	0.1593	1	858.095	1
Gujrat	Gujrat	Kunjah I QH	Kang Sahali PC	Kot Ghagga	1717.40	0.1594	1	858.701	1
Gujrat	Kharian	Sabore Ii QH	Suembri PC	Nither	1717.40	0.1594	1	858.701	1
Gujrat	Sarai Alamgir	Dandi Nizam QH	Bhago Shahpur PC	Rahmanpur	1721.04	0.1598	1	860.519	1
Gujrat	Gujrat	Piroshah I QH	Baharwal PC	Mal	1722.25	0.1599	1	861.125	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Pagwan PC	Kotli Parmanand	1722.25	0.1599	1	861.125	1
Gujrat	Gujrat	Gujrat-Ii QH	Ratti PC	Ratti	1729.52	0.1606	1	864.761	1
Gujrat	Gujrat	Deonah Ii QH	Mand PC	Dhudra	1730.73	0.1607	1	865.367	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Kulk	1734.37	0.1610	1	867.185	1
Gujrat	Gujrat	Daulat Nagar I QH	Sarai Dhing PC	Saida	1735.58	0.1611	1	867.791	1
Gujrat	Gujrat	Gujrat-I QH	Rehmanian PC	Rehmanian	1745.28	0.1620	1	872.639	1
Gujrat	Kharian	Dinga Ii QH	Warechan Wala PC	Kala Kamala	1745.28	0.1620	1	872.639	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Changas PC	Dhori	1746.49	0.1621	1	873.245	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Mahesam PC	Jhans	1757.40	0.1631	1	878.699	1
Gujrat	Kharian	Dinga I QH	Amra Kalan PC	Bajarwala	1759.82	0.1634	1	879.911	1
Gujrat	Sarai Alamgir	Sarai Alamgir Ii QH	Puran PC	Fateh Pur	1774.37	0.1647	1	887.183	1
Gujrat	Kharian	Lala Musa I QH	Kotla Sarang Khan PC	Bhola	1775.58	0.1648	1	887.789	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Thimka PC	Nafrian	1776.79	0.1649	1	888.395	1
Gujrat	Kharian	Lala Musa I QH	Chikorisher Ghazi No.Ii PC	Dheenda	1780.43	0.1653	1	890.213	1
Gujrat	Kharian	Kharian-Ii QH	Guliana No.Ii PC	Jand	1785.27	0.1657	1	892.637	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Khalas Garh PC	Mauruf Lohar	1791.33	0.1663	1	895.667	1
Gujrat	Gujrat	Daulat Nagar I QH	Mello PC	Nathoowal	1796.18	0.1667	1	898.091	1
Gujrat	Kharian	Kharian-I QH	Dhoria PC	Domian	1798.61	0.1670	1	899.303	1
Gujrat	Kharian	Lala Musa I QH	Haji Muhammad PC	Bahlot Shera	1799.82	0.1671	1	899.909	1
Gujrat	Kharian	Jaurah I QH	Ranian PC	Chak Miana	1801.03	0.1672	1	900.515	1

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Gujrat	Kharian	Kotla Arab Ali Khan I QH	Kotla Arab Ali Khan PC	Mian Chohan	1801.03	0.1672	1	900.515	1
Gujrat	Kharian	Lala Musa Ii QH	Jatria Kalan PC	Jatria Kalan	1801.03	0.1672	1	900.515	1
Gujrat	Gujrat	Daulat Nagar I QH	Doga PC	Mahesee	1802.24	0.1673	1	901.121	1
Gujrat	Gujrat	Piroshah I QH	Rupowal Ii PC	Khori	1802.24	0.1673	1	901.121	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Khalas Garh PC	Khalas Garh	1803.45	0.1674	1	901.727	1
Gujrat	Gujrat	Deonah I QH	Thatta Pur PC	Ladha	1810.73	0.1681	1	905.363	1
Gujrat	Kharian	Lala Musa I QH	Paswal PC	Chak Ummar	1810.73	0.1681	1	905.363	1
Gujrat	Kharian	Sabore I QH	Rajoowal PC	Chuhr Chak	1810.73	0.1681	1	905.363	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Chak Bakhtawar	1813.15	0.1683	1	906.575	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.I PC	Jhammatabad	1815.57	0.1685	1	907.787	1
Gujrat	Kharian	Kharian-Ii QH	Malkah PC	Sadkal	1819.21	0.1689	1	909.605	1
Gujrat	Gujrat	Tanda Ii QH	Chak Shero PC	Chak Shero	1824.06	0.1693	1	912.029	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Bahowal PC	Borah	1830.12	0.1699	1	915.059	1
Gujrat	Kharian	Kotla Arab Ali Khan I QH	Manglia PC	Hisam	1837.39	0.1706	1	918.695	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Shah Jehani	1837.39	0.1706	1	918.695	1
Gujrat	Kharian	Lala Musa I QH	Kulewala Shahna PC	Kulewala Syedan	1838.60	0.1707	1	919.301	1
Gujrat	Gujrat	Piroshah I QH	Santhal No.Ii PC	Surkian	1848.30	0.1716	1	924.149	1
Gujrat	Kharian	Lala Musa Ii QH	Saida Baraham PC	Dalla	1855.57	0.1723	1	927.785	1
Gujrat	Gujrat	Deonah I QH	Sadhri PC	Aali	1857.99	0.1725	1	928.997	1
Gujrat	Kharian	Jaurah Ii QH	Malwana PC	Malwana	1860.42	0.1727	1	930.209	1
Gujrat	Kharian	Jaurah Ii QH	Bhau Ghasitpur PC	Gakhar	1862.84	0.1729	1	931.421	1
Gujrat	Gujrat	Deonah Ii QH	Adhowal PC	Sahdwal Kalan	1866.48	0.1733	1	933.239	1
Gujrat	Kharian	Jaurah I QH	Mughli PC	Fatta Lamma	1868.90	0.1735	1	934.451	1
Gujrat	Kharian	Kharian-Ii QH	Doga PC	Lamma	1868.90	0.1735	1	934.451	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Bhag Nagar PC	Bhag Nagar	1873.75	0.1739	1	936.875	1
Gujrat	Kharian	Lala Musa Ii QH	Chak Miana PC	Jhundewali	1874.96	0.1741	1	937.481	1
Gujrat	Gujrat	Daulat Nagar I QH	Daulat Nagar PC	Garhi Bhau	1878.60	0.1744	1	939.299	1

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Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Pindi Awan PC	Pindi Awan	1882.23	0.1747	1	941.117	1
Gujrat	Gujrat	Deonah Ii QH	Musa PC	Musa	1884.66	0.1750	1	942.329	1
Gujrat	Gujrat	Piroshah Ii QH	Hazara PC	Ghahian	1889.51	0.1754	1	944.753	1
Gujrat	Kharian	Jaurah Ii QH	Mirza Tahir PC	Kolian Habib	1890.72	0.1755	1	945.359	1
Gujrat	Gujrat	Daulat Nagar Ii QH	Bahowal PC	Piara	1891.93	0.1756	1	945.965	1
Gujrat	Gujrat	Piroshah Ii QH	Bhoian No.Ii PC	Dhudria	1897.99	0.1762	1	948.995	1
Gujrat	Gujrat	Gujrat-Ii QH	Samma PC	Samma	1900.41	0.1764	1	950.207	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Dhillu Sharqi PC	Budha Kang	1901.63	0.1765	1	950.813	1
Gujrat	Gujrat	Jalalpur Jattan I QH	Bhagowal Khurd PC	Sohal Kalan	1911.32	0.1774	1	955.661	1
Gujrat	Kharian	Lala Musa Ii QH	Kamla Bhand PC	Kamla Bhand	1914.96	0.1778	1	957.479	1
Gujrat	Gujrat	Daulat Nagar I QH	Chakanwali PC	Keeranwala	1917.38	0.1780	1	958.691	1
Gujrat	Gujrat	Gujrat-I QH	Rehmanian PC	Phularwan	1917.38	0.1780	1	958.691	1
Gujrat	Gujrat	Tanda I QH	Dhari Wal PC	Ranganwala	1921.02	0.1783	1	960.509	1
Gujrat	Kharian	Dinga Ii QH	Topa Usman PC	Chikora	1921.02	0.1783	1	960.509	1
Gujrat	Sarai Alamgir	Sarai Alamgir I QH	Kanara PC	Dhok Mureed	1923.44	0.1786	1	961.721	1
Gujrat	Gujrat	Gujrat-I QH	Chak Boola PC	Gegian	1925.87	0.1788	1	962.933	1
Gujrat	Kharian	Sabore Ii QH	Bhurchh No.Ii PC	Kharana (Pir Ghazi)	1925.87	0.1788	1	962.933	1
Gujrat	Gujrat	Piroshah I QH	Kalas PC	Bhoon Hazari	1928.29	0.1790	1	964.145	1
Gujrat	Kharian	Kharian-I QH	Marjan PC	Marjan	1929.50	0.1791	1	964.751	1
Gujrat	Gujrat	Gujrat-I QH	Gorali PC	Tara Garh Khurd	1937.99	0.1799	1	968.993	1
Gujrat	Gujrat	Jalalpur Jattan Ii QH	Rasool Pur PC	Rasulpur	1939.20	0.1800	1	969.599	1
Gujrat	Gujrat	Tanda I QH	Bhagowal Kalan PC	Rian	1939.20	0.1800	1	969.599	1
Gujrat	Kharian	Sabore I QH	Rajoowal PC	Chak Sikandar	1940.41	0.1801	1	970.205	1
Gujrat	Gujrat	Piroshah I QH	Kalas PC	Kothana	1941.62	0.1802	1	970.811	1
Gujrat	Gujrat	Piroshah Ii QH	Chak Meera PC	Chak Meera	1944.05	0.1805	1	972.023	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Pagwan PC	Kotli Pagwan	1946.47	0.1807	1	973.235	1
Gujrat	Gujrat	Deonah I QH	Murarian PC	Sheikh Sukha	1957.38	0.1817	1	978.689	1

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Gujrat	Gujrat	Piroshah I QH	Awan PC	Dhan	1958.59	0.1818	1	979.295	1
Gujrat	Kharian	Kotla Arab Ali Khan Ii QH	Kharana PC	Sohla	1959.80	0.1819	1	979.901	1
Gujrat	Kharian	Lala Musa Ii QH	Saida Baraham PC	Saida Baraham	1976.77	0.1835	1	988.385	1
Gujrat	Kharian	Kharian-Ii QH	Kalwal PC	Bhattian	1982.83	0.1841	1	991.415	1
Gujrat	Kharian	Lala Musa Ii QH	Saida Baraham PC	Chak Dina	1984.04	0.1842	1	992.021	1
Gujrat	Gujrat	Tanda Ii QH	Kotli Vedan PC	Dabb	1986.47	0.1844	1	993.233	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kaulo Tarar PC	Kaulo Tarar	19201.49	3.5651	3	9600.746	5
Hafizabad	Pindi Bhattian	Kot Nikka QH	Badar Ali PC	Badar Ali	18543.94	3.4430	3	9271.969	5
Hafizabad	Hafizabad	Vanike Tarar QH	Vanike Tarar PC	Vanike Tarar	17061.54	3.1678	3	8530.769	5
Hafizabad	Pindi Bhattian	Sukheki QH	Kot Sarwar PC	Kot Sarwar	14377.88	2.6695	3	7188.942	4
Hafizabad	Hafizabad	Chak Chatha QH	Chak Chatha PC	Chak Chatha	12466.80	2.3147	3	6233.398	4
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Rasulpur PC	Rasul Pur	12108.98	2.2482	3	6054.488	4
Hafizabad	Hafizabad	Hafizabad-Ii QH	Mangat Niche PC	Mangat Niche	11016.93	2.0455	3	5508.463	3
Hafizabad	Pindi Bhattian	Kot Nikka QH	Kot Nikka PC	Kot Nikka	15608.18	2.8979	2	7804.091	4
Hafizabad	Hafizabad	Chak Chatha QH	Kassoke PC	Kassoke	15574.49	2.8917	2	7787.246	4
Hafizabad	Pindi Bhattian	Kot Nikka QH	Mustafaabad PC	Hinduana(Nustafa Abad)	9985.29	1.3905	2	4992.643	3
Hafizabad	Hafizabad	Chak Chatha QH	Kot Hassan Khan PC	Kot Hassan Khan	9369.56	1.3047	2	4684.778	3
Hafizabad	Pindi Bhattian	Kasise QH	Tahli Goraya PC	Tahli Goraya	9325.41	1.2986	2	4662.705	3
Hafizabad	Hafizabad	Soian Wala QH	Ramke Chatha PC	Ramke Chatha	9152.31	1.2745	2	4576.154	3
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Thatta Khairu Matmal	8136.93	1.1331	2	4068.467	3
Hafizabad	Hafizabad	Chak Chatha QH	Jurian PC	Jurian	8002.17	1.1143	2	4001.085	2
Hafizabad	Hafizabad	Chak Chatha QH	Hardo Bhaun PC	Hardo Bhaun	7820.94	1.0891	2	3910.468	2
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Chak Bhatti PC	Chak Bhatti	7757.04	1.0802	2	3878.520	2
Hafizabad	Hafizabad	Hafizabad-I QH	Kalianwala PC	Kalianwala	7612.98	1.0601	2	3806.491	2
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Fateh Ki	4850.33	0.4503	1	2425.164	3
Hafizabad	Hafizabad	Chak Chatha QH	Winni PC	Winni	4742.29	0.4402	1	2371.143	3
Hafizabad	Pindi Bhattian	Kasise QH	Thatta Gahra PC	Thatta Gahra	4572.67	0.4245	1	2286.334	3

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Hafizabad	Hafizabad	Vanike Tarar QH	Beri Wala PC	Beri Wala	4547.11	0.4221	1	2273.555	3
Hafizabad	Hafizabad	Hafizabad-Ii QH	Mangat Niche PC	Kot Sujana	4518.07	0.4194	1	2259.033	3
Hafizabad	Pindi Bhattian	Kot Nikka QH	Mirza Bakhsinka PC	Mirza Bakhsinka	4502.96	0.4180	1	2251.482	3
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Raika PC	Chah Anna	4419.32	0.4103	1	2209.659	3
Hafizabad	Pindi Bhattian	Kasise QH	Mateke PC	Mateke	4339.16	0.4028	1	2169.578	3
Hafizabad	Hafizabad	Vanike Tarar QH	Bukan Kalan PC	Kot Ishaq	4249.70	0.3945	1	2124.850	3
Hafizabad	Pindi Bhattian	Kot Nikka QH	Shori Maneka PC	Shori Maneka	4233.44	0.3930	1	2116.718	3
Hafizabad	Hafizabad	Chak Chatha QH	Lawere PC	Lawere	4224.14	0.3921	1	2112.071	3
Hafizabad	Pindi Bhattian	Kasise QH	Kasise PC	Thatta Jahad Amirwala	4028.97	0.3740	1	2014.484	3
Hafizabad	Pindi Bhattian	Sukheki QH	Bhabra PC	Bhabra	7200.56	1.0027	1	3600.280	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Thatta Karim Dad PC	Thatta Karim Dad	6985.63	0.9728	1	3492.817	2
Hafizabad	Hafizabad	Hafizabad-I QH	Madharian Wala PC	Madharian Wala	6975.18	0.9713	1	3487.589	2
Hafizabad	Pindi Bhattian	Sukheki QH	Nauthe PC	Nauthe	6883.40	0.9585	1	3441.700	2
Hafizabad	Hafizabad	Soian Wala QH	Soian Wala PC	Soianwala	6827.64	0.9508	1	3413.818	2
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Solangi Kharal PC	Solangi Kharal	6805.56	0.9477	1	3402.781	2
Hafizabad	Hafizabad	Chak Chatha QH	Sioke PC	Dhani	6670.80	0.9289	1	3335.400	2
Hafizabad	Pindi Bhattian	Kasise QH	Kasise PC	Kasise	6235.14	0.8682	1	3117.570	2
Hafizabad	Hafizabad	Soian Wala QH	Kot Saleem PC	Chhani Gohla	6158.46	0.8576	1	3079.232	2
Hafizabad	Hafizabad	Kaleke QH	Shamir Dinga PC	Shamir Dinga	5995.82	0.8349	1	2997.910	2
Hafizabad	Hafizabad	Chak Chatha QH	Kuriala PC	Kuriala	5864.54	0.8166	1	2932.270	2
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Solghan Awan	5856.41	0.8155	1	2928.204	2
Hafizabad	Hafizabad	Chak Chatha QH	Wachhoki PC	Wachhoki	5655.42	0.7875	1	2827.712	2
Hafizabad	Hafizabad	Kaleke QH	Uddoki PC	Uddoki	5577.59	0.7767	1	2788.794	2
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Bahoman	5493.94	0.7650	1	2746.970	2
Hafizabad	Hafizabad	Kaulo Tarar QH	Pindi Bawre PC	Pindi Bawre	5375.44	0.7485	1	2687.721	2
Hafizabad	Pindi Bhattian	Sukheki QH	Harsa Atla PC	Harsa Atla	5261.59	0.7327	1	2630.795	2
Hafizabad	Pindi Bhattian	Kasise QH	Dohatta Azmat PC	Dohatta Azmat (Sharif)	5218.60	0.7267	1	2609.302	2

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Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Mahmood Pur PC	Mahmood Pur Ghurbi	3972.04	0.3687	1	1986.021	2
Hafizabad	Hafizabad	Soian Wala QH	Marh Bashi PC	Marh Bashi	3953.45	0.3670	1	1976.727	2
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Malian PC	Mochhunika	3937.19	0.3655	1	1968.594	2
Hafizabad	Hafizabad	Chak Chatha QH	Ghanian PC	Ghanian	3846.57	0.3571	1	1923.286	2
Hafizabad	Pindi Bhattian	Kasise QH	Madhora Kalan PC	Madhora Kalan	3838.44	0.3563	1	1919.220	2
Hafizabad	Hafizabad	Chak Chatha QH	Borianwala PC	Borian Wala	3797.78	0.3526	1	1898.889	2
Hafizabad	Hafizabad	Soian Wala QH	Chak Kharal PC	Chak Kharal	3790.81	0.3519	1	1895.404	2
Hafizabad	Hafizabad	Hafizabad-Ii QH	Garhi Ghous PC	Batere	3718.78	0.3452	1	1859.389	2
Hafizabad	Hafizabad	Kaleke QH	Jalaliana PC	Nahrian Wala	3638.62	0.3378	1	1819.309	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Mirza Bhattian PC	Thairke	3618.87	0.3360	1	1809.434	2
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Rasulpur PC	Nauroz Pur	3575.88	0.3320	1	1787.941	2
Hafizabad	Hafizabad	Kaleke QH	Nanoana PC	Nanoana	3565.43	0.3310	1	1782.714	2
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Naro Wal PC	Naro Wal	3558.46	0.3303	1	1779.228	2
Hafizabad	Pindi Bhattian	Sukheki QH	Tawale Wali PC	Tawale Wali	3495.72	0.3245	1	1747.861	2
Hafizabad	Pindi Bhattian	Sukheki QH	Jando Ki PC	Huseki	3489.91	0.3240	1	1744.956	2
Hafizabad	Hafizabad	Soian Wala QH	Ala-Ud-Din Ke PC	Ala-Ud-Din Ke	3471.32	0.3223	1	1735.662	2
Hafizabad	Pindi Bhattian	Kasise QH	Sakhi PC	Sakhi	3446.93	0.3200	1	1723.464	2
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Chhanni Mithha	3377.22	0.3135	1	1688.611	2
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Chian PC	Kot Chian	3351.66	0.3111	1	1675.832	2
Hafizabad	Pindi Bhattian	Sukheki QH	Jando Ki PC	Jando Ki	3324.94	0.3087	1	1662.472	2
Hafizabad	Hafizabad	Kaulo Tarar QH	Dhiranke Lalke PC	Dhiranke Lalke	3269.18	0.3035	1	1634.590	2
Hafizabad	Pindi Bhattian	Sukheki QH	Harsa Atla PC	Nawan (Khurd)	3244.78	0.3012	1	1622.391	2
Hafizabad	Hafizabad	Chak Chatha QH	Kot Hassan Khan PC	Kot Hanjran Wala	3219.22	0.2989	1	1609.612	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Gerhi Gondel	3216.90	0.2986	1	1608.450	2
Hafizabad	Pindi Bhattian	Sukheki QH	Jando Ki PC	Wihjuan	3178.56	0.2951	1	1589.281	2
Hafizabad	Pindi Bhattian	Kot Nikka QH	Shori Maneka PC	Garhi Wahab	3155.33	0.2929	1	1577.664	2
Hafizabad	Hafizabad	Kaulo Tarar QH	Rahgo PC	Rahgo	3144.87	0.2920	1	1572.436	2

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Hafizabad	Hafizabad	Vanike Tarar QH	Behk Ahmad Yar PC	Behk Ahmad Yar	3112.34	0.2889	1	1556.171	2
Hafizabad	Hafizabad	Kaleke QH	Melo Ana PC	Sawan Pura	3097.24	0.2875	1	1548.620	2
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Mona Mae Thatta Salabat	3072.84	0.2853	1	1536.421	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Behlol Pur PC	Behlol Pur	3019.40	0.2803	1	1509.701	2
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Hardo Ratta	3010.11	0.2794	1	1505.054	2
Hafizabad	Hafizabad	Kaleke QH	Gige PC	Gige	3006.62	0.2791	1	1503.311	2
Hafizabad	Hafizabad	Kaleke QH	Khanjar PC	Khanjar	2970.61	0.2758	1	1485.304	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Khurram Churera PC	Bagh Kohna	2910.20	0.2702	1	1455.099	2
Hafizabad	Hafizabad	Chak Chatha QH	Winni PC	Madan Phalla	2903.23	0.2695	1	1451.613	2
Hafizabad	Pindi Bhattian	Sukheki QH	Jando Ki PC	Puraniki	2899.74	0.2692	1	1449.871	2
Hafizabad	Hafizabad	Hafizabad-I QH	Qila Ram Kaur PC	Prem Kot	2885.80	0.2679	1	1442.900	2
Hafizabad	Hafizabad	Vanike Tarar QH	Bukan Kalan PC	Bukan Kalan	2821.90	0.2620	1	1410.952	2
Hafizabad	Hafizabad	Chak Chatha QH	Chak Chatha PC	Mangat Unche	2792.86	0.2593	1	1396.430	2
Hafizabad	Hafizabad	Hafizabad-I QH	Madharian Wala PC	Lakhia	2768.46	0.2570	1	1384.231	2
Hafizabad	Hafizabad	Soian Wala QH	Chak Kharal PC	Kaler Wala	2760.33	0.2563	1	1380.165	2
Hafizabad	Hafizabad	Hafizabad-Ii QH	Muradian PC	Muradian	2726.64	0.2531	1	1363.320	2
Hafizabad	Hafizabad	Hafizabad-Ii QH	Sagar Kalan PC	Dahranwali	2725.48	0.2530	1	1362.739	2
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Naro Wal PC	Khanna	2684.82	0.2492	1	1342.408	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Khurram Churera PC	Khurram Churera	2675.52	0.2484	1	1337.761	2
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Nikki Chatha	2670.88	0.2479	1	1335.438	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Khurram Churera PC	Chohdu Khuda Yar	2562.83	0.2379	1	1281.416	2
Hafizabad	Hafizabad	Kaleke QH	Uddoki PC	Tutra	2559.35	0.2376	1	1279.673	2
Hafizabad	Pindi Bhattian	Kot Nikka QH	Mirza Bakhsinka PC	Chohdu Ahmad Yar	2558.19	0.2375	1	1279.093	2
Hafizabad	Hafizabad	Hafizabad-Ii QH	Muradian PC	Kot Gora	2548.89	0.2366	1	1274.446	2
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Sadhoki	2536.11	0.2354	1	1268.056	2
Hafizabad	Hafizabad	Kaleke QH	Shamir Dinga PC	Sajjada	2534.95	0.2353	1	1267.475	2
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Mirza Bhattian PC	Mirza Bhattian	2527.98	0.2347	1	1263.990	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Hafizabad	Hafizabad	Chak Chatha QH	Sioke PC	Jaidke	2522.17	0.2341	1	1261.085	2
Hafizabad	Hafizabad	Kaulo Tarar QH	Dhiranke Lalke PC	Dhiranke Mirdadke	2475.70	0.2298	1	1237.850	1.23785
Hafizabad	Hafizabad	Kaleke QH	Jalaliana PC	Mian Raheman	2452.47	0.2277	1	1226.233	1.226233
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Solangi Kharal PC	Thatta Argan	2433.88	0.2259	1	1216.939	1.216939
Hafizabad	Pindi Bhattian	Sukheki QH	Jandraka PC	Jandraka	2426.91	0.2253	1	1213.453	1.213453
Hafizabad	Hafizabad	Kaulo Tarar QH	Sandhawan Tarar PC	Sandhawan Tarar	2415.29	0.2242	1	1207.645	1.207645
Hafizabad	Hafizabad	Vanike Tarar QH	Mehdi Abad PC	Mehdi Abad	2400.19	0.2228	1	1200.093	1.200093
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Qila Murad Bakhsh	2393.22	0.2222	1	1196.608	1.196608
Hafizabad	Hafizabad	Vanike Tarar QH	Pheroki PC	Pheroki	2381.60	0.2211	1	1190.799	1.190799
Hafizabad	Pindi Bhattian	Kot Nikka QH	Mirza Bakhsinka PC	Garhi Mimbran	2358.36	0.2189	1	1179.182	1.179182
Hafizabad	Hafizabad	Vanike Tarar QH	Behk Ahmad Yar PC	Rubar	2349.07	0.2181	1	1174.535	1.174535
Hafizabad	Pindi Bhattian	Kasise QH	Mateke PC	Sambal	2338.61	0.2171	1	1169.307	1.169307
Hafizabad	Hafizabad	Kaulo Tarar QH	Pindi Bawre PC	Baware Nau	2332.80	0.2166	1	1166.402	1.166402
Hafizabad	Pindi Bhattian	Sukheki QH	Jandraka PC	Mochi Wala	2330.48	0.2163	1	1165.241	1.165241
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Kot Bela	2320.03	0.2154	1	1160.013	1.160013
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Chian PC	Pailu	2314.22	0.2148	1	1157.108	1.157108
Hafizabad	Pindi Bhattian	Sukheki QH	Mona Manika PC	Mona Manika	2310.73	0.2145	1	1155.366	1.155366
Hafizabad	Pindi Bhattian	Kasise QH	Thatta Gahra PC	Khidde	2309.57	0.2144	1	1154.785	1.154785
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Moghoki	2299.11	0.2134	1	1149.557	1.149557
Hafizabad	Hafizabad	Chak Chatha QH	Wachhoki PC	Chhanni Hashnak Rai	2265.42	0.2103	1	1132.711	1.132711
Hafizabad	Hafizabad	Kaleke QH	Jalaliana PC	Jalaliana	2243.35	0.2083	1	1121.675	1.121675
Hafizabad	Pindi Bhattian	Sukheki QH	Jandraka PC	Dubar	2229.41	0.2070	1	1114.704	1.114704
Hafizabad	Pindi Bhattian	Kasise QH	Sakhi PC	Thatta Gajju	2222.44	0.2063	1	1111.219	1.111219
Hafizabad	Pindi Bhattian	Sukheki QH	Harsa Atla PC	Kanwan Wali (Kalan)	2215.47	0.2057	1	1107.734	1.107734
Hafizabad	Hafizabad	Soian Wala QH	Chak Ghazi PC	Kot Panah	2201.53	0.2044	1	1100.763	1.100763
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Nasso Wal PC	Pindi Dhudal	2201.53	0.2044	1	1100.763	1.100763
Hafizabad	Hafizabad	Soian Wala QH	Marh Bashi PC	Kharak	2182.94	0.2027	1	1091.469	1.091469

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Hafizabad	Hafizabad	Soian Wala QH	Chak Ghazi PC	Chak Ghazi	2167.84	0.2012	1	1083.918	1.083918
Hafizabad	Hafizabad	Kaulo Tarar QH	Rai Chand PC	Khanpur	2166.67	0.2011	1	1083.337	1.083337
Hafizabad	Pindi Bhattian	Kot Nikka QH	Chak No 002 PC	Chak No 001	2159.70	0.2005	1	1079.852	1.079852
Hafizabad	Hafizabad	Kaulo Tarar QH	Chhanni Wazira PC	Chhanni Hinjranwan	2153.89	0.2000	1	1076.947	1.076947
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Kot Nawan	2120.20	0.1968	1	1060.102	1.060102
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Nasso Wal PC	Wan	2112.07	0.1961	1	1056.036	1.056036
Hafizabad	Hafizabad	Kaleke QH	Bangar PC	Thatta Asian	2108.59	0.1957	1	1054.293	1.054293
Hafizabad	Hafizabad	Soian Wala QH	Ala-Ud-Din Ke PC	Umrao Kalan	2103.94	0.1953	1	1051.969	1.051969
Hafizabad	Hafizabad	Soian Wala QH	Chak Kharal PC	Shori	2078.38	0.1929	1	1039.190	1.03919
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Marth	2078.38	0.1929	1	1039.190	1.03919
Hafizabad	Hafizabad	Kaulo Tarar QH	Sandhawan Tarar PC	Balo Nau (Bhaliabad)	2037.72	0.1892	1	1018.859	1.018859
Hafizabad	Hafizabad	Chak Chatha QH	Ghanian PC	Qila Balwant Singh	2023.78	0.1879	1	1011.889	1.011889
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Khatte Shah PC	Khatte Shah	2014.48	0.1870	1	1007.242	1.007242
Hafizabad	Hafizabad	Kaleke QH	Shah Jamal PC	Shah Jamal	2013.32	0.1869	1	1006.661	1.006661
Hafizabad	Hafizabad	Hafizabad-Ii QH	Sagar Khurd PC	Thatta Kalian	2008.67	0.1865	1	1004.337	1.004337
Hafizabad	Hafizabad	Kaleke QH	Melo Ana PC	Ghanoke	2008.67	0.1865	1	1004.337	1.004337
Hafizabad	Hafizabad	Chak Chatha QH	Lawere PC	Bueke	2007.51	0.1864	1	1003.757	1.003757
Hafizabad	Hafizabad	Hafizabad-Ii QH	Sagar Kalan PC	Sagar Kalan	2000.54	0.1857	1	1000.271	1.000271
Hafizabad	Pindi Bhattian	Sukheki QH	Mona Manika PC	Rakh Thatta Mukhtar	6.97	0.0006	1	3.485	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Burj Jawaya	18.59	0.0017	1	9.294	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Rakh Jangla	22.07	0.0020	1	11.037	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Burj Rehman	23.24	0.0022	1	11.618	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Chhani Sher Gondal	25.56	0.0024	1	12.779	1
Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Uncha Kala	27.88	0.0026	1	13.941	1
Hafizabad	Hafizabad	Vanike Tarar QH	Kakshal PC	Chock Khurd	30.21	0.0028	1	15.103	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Bhaun Yara	33.69	0.0031	1	16.845	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Rakh Qila Murad Bakhsh	34.85	0.0032	1	17.426	1

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Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Kala	36.01	0.0033	1	18.007	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Rakh Pindi Bhattian	40.66	0.0038	1	20.331	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Chhani Mehra	45.31	0.0042	1	22.654	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Chak Kiara	48.79	0.0045	1	24.397	1
Hafizabad	Hafizabad	Soian Wala QH	Kot Saleem PC	Chhani Sultan	58.09	0.0054	1	29.044	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Bazari	59.25	0.0055	1	29.625	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Burj Ghous	67.38	0.0063	1	33.691	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Chhani Chuhar	70.87	0.0066	1	35.434	1
Hafizabad	Hafizabad	Vanike Tarar QH	Kakshal PC	Chhani Pir Shah	89.46	0.0083	1	44.728	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Burj Chaura	91.78	0.0085	1	45.889	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Channi Sultan Shah	116.18	0.0108	1	58.088	1
Hafizabad	Hafizabad	Hafizabad-Ii QH	Muradian PC	Kot Sora	119.66	0.0111	1	59.830	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Dhiranke Lalke PC	Rakh Vanike	123.15	0.0114	1	61.573	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Dhiranke Lalke PC	Sawanpura	127.79	0.0119	1	63.897	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Khokhar	132.44	0.0123	1	66.220	1
Hafizabad	Pindi Bhattian	Kasise QH	Tahli Goraya PC	Thatta Asalat	132.44	0.0123	1	66.220	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Mahloo	137.09	0.0127	1	68.544	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Chah Mirza	140.57	0.0130	1	70.286	1
Hafizabad	Hafizabad	Vanike Tarar QH	Behk Ahmad Yar PC	Nahrah	169.62	0.0157	1	84.808	1
Hafizabad	Pindi Bhattian	Kasise QH	Madhora Kalan PC	Pipal Wala	194.01	0.0180	1	97.007	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Mahi Wal	210.28	0.0195	1	105.139	1
Hafizabad	Hafizabad	Vanike Tarar QH	Mehdi Abad PC	Chak Bulaqi	227.70	0.0211	1	113.852	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Khurram Churera PC	Thatta Umar	245.13	0.0228	1	122.565	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Burj Fattu	248.62	0.0231	1	124.308	1
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Kot Hassan	254.42	0.0236	1	127.212	1
Hafizabad	Hafizabad	Vanike Tarar QH	Bukan Kalan PC	Thatta Ahsan	260.23	0.0242	1	130.117	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Thatta Rehman	279.98	0.0260	1	139.992	1

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Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Burj Allahya	284.63	0.0264	1	142.315	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Burj Bhiyan	284.63	0.0264	1	142.315	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Burj Umri	288.12	0.0267	1	144.058	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Thatti Asaish Kalan PC	Chhanni Rehmat Khan	329.94	0.0306	1	164.969	1
Hafizabad	Hafizabad	Vanike Tarar QH	Kakshal PC	Kakshal	334.59	0.0311	1	167.293	1
Hafizabad	Pindi Bhattian	Sukheki QH	Jandraka PC	Gadgor	363.63	0.0338	1	181.815	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Thatti Asaish Kalan PC	Thatti Asaish Khurd	368.28	0.0342	1	184.138	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Chak Gulla	371.76	0.0345	1	185.881	1
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Kalu Wattu	376.41	0.0349	1	188.204	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Khatte Shah PC	Sheikh Musa Dad	386.86	0.0359	1	193.432	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Kot Alam Khurd	386.86	0.0359	1	193.432	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Chhanni Rehan	391.51	0.0363	1	195.756	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Kot Jafar	400.81	0.0372	1	200.403	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Khuram Jawaya	401.97	0.0373	1	200.984	1
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Balocha Wattu	404.29	0.0375	1	202.145	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Tun Pur	411.26	0.0382	1	205.631	1
Hafizabad	Hafizabad	Vanike Tarar QH	Pheroki PC	Baleki Kohna	417.07	0.0387	1	208.535	1
Hafizabad	Pindi Bhattian	Sukheki QH	Harsa Atla PC	Burj Sarishta	429.85	0.0399	1	214.925	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Thatti Asaish Kalan PC	Chaudhran Wala	431.01	0.0400	1	215.506	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Garhi Abdullah	439.14	0.0408	1	219.572	1
Hafizabad	Hafizabad	Vanike Tarar QH	Behk Ahmad Yar PC	Kot Kamir	442.63	0.0411	1	221.314	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Garhi Ghulla	453.08	0.0421	1	226.542	1
Hafizabad	Hafizabad	Vanike Tarar QH	Kakshal PC	Jagoo	454.25	0.0422	1	227.123	1
Hafizabad	Hafizabad	Soian Wala QH	Kot Saleem PC	Kot Saleem	460.06	0.0427	1	230.028	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Pahlwan PC	Pisowan Wali	467.03	0.0434	1	233.513	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Kot Hussain	469.35	0.0436	1	234.675	1

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Hafizabad	Hafizabad	Kaulo Tarar QH	Chhanni Wazira PC	Thatta Dewka	483.29	0.0449	1	241.645	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Kot Fazal	497.23	0.0462	1	248.616	1
Hafizabad	Hafizabad	Vanike Tarar QH	Rajja PC	Muzaffar Kohna	526.28	0.0489	1	263.138	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Miran Kot	543.70	0.0505	1	271.851	1
Hafizabad	Hafizabad	Vanike Tarar QH	Beri Wala PC	Kot Khairu	551.83	0.0512	1	275.917	1
Hafizabad	Hafizabad	Chak Chatha QH	Kuriala PC	Mahi Wala	556.48	0.0517	1	278.240	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Rasulpur PC	Maut	563.45	0.0523	1	281.726	1
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Umrao Khurd	568.10	0.0527	1	284.049	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Malahanwala Gondel	578.55	0.0537	1	289.277	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Qila Punja Singh (Char P.M	583.20	0.0541	1	291.601	1
Hafizabad	Pindi Bhattian	Kasise QH	Pir Kamal PC	Thatta Nur Shah	586.69	0.0545	1	293.343	1
Hafizabad	Hafizabad	Kaleke QH	Gige PC	Lakhi Shah	587.85	0.0546	1	293.924	1
Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Kot Mian Khan	612.25	0.0568	1	306.123	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Kot Jan Muhammad	636.64	0.0591	1	318.321	1
Hafizabad	Hafizabad	Vanike Tarar QH	Pheroki PC	Targarah	647.10	0.0601	1	323.549	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Sandhawan Tarar PC	Mahnian Wala	650.58	0.0604	1	325.291	1
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Thatta Panah	666.85	0.0619	1	333.424	1
Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Mallahan Wala	674.98	0.0627	1	337.490	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Danga	677.30	0.0629	1	338.652	1
Hafizabad	Pindi Bhattian	Kasise QH	Dohatta Azmat PC	Dohatta Khurd	690.08	0.0641	1	345.041	1
Hafizabad	Pindi Bhattian	Kasise QH	Thatta Gahra PC	Patli	712.16	0.0661	1	356.078	1
Hafizabad	Pindi Bhattian	Sukheki QH	Mona Manika PC	Kharal Wala	717.96	0.0667	1	358.982	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Bhaun Fazil	724.94	0.0673	1	362.468	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Kot Dilawar	730.74	0.0678	1	365.372	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Mirza Bakhsinka PC	Chohdu Bahadarike	737.71	0.0685	1	368.857	1
Hafizabad	Hafizabad	Hafizabad-I QH	Madharian Wala PC	Kot Mabarak	740.04	0.0687	1	370.019	1
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Kot Bakhsh	743.52	0.0690	1	371.762	1

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Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Pahlwan PC	Mir Mukhtar	748.17	0.0695	1	374.085	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Chakki Wala	751.66	0.0698	1	375.828	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Pindi Bawre PC	Aware Kohna	755.14	0.0701	1	377.570	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Khurram Lodhi	756.30	0.0702	1	378.151	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Rasulpur PC	Fateh Garh	763.27	0.0709	1	381.637	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Kanda	770.24	0.0715	1	385.122	1
Hafizabad	Hafizabad	Soian Wala QH	Kot Saleem PC	Bagh	773.73	0.0718	1	386.865	1
Hafizabad	Hafizabad	Vanike Tarar QH	Behk Ahmad Yar PC	Kot Kadir Bakhsh	773.73	0.0718	1	386.865	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Jangla	773.73	0.0718	1	386.865	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Chhanni Wazira PC	Daulu	774.89	0.0719	1	387.445	1
Hafizabad	Pindi Bhattian	Kasise QH	Pir Kamal PC	Bimian Wala	779.54	0.0724	1	389.769	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Sandhawan Tarar PC	Thatta Jahad Hassan Wal	781.86	0.0726	1	390.931	1
Hafizabad	Hafizabad	Kaleke QH	Bangar PC	Thatta Jahad Nihale Wala	792.32	0.0736	1	396.159	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Daulu Khurd	795.80	0.0739	1	397.901	1
Hafizabad	Hafizabad	Vanike Tarar QH	Pheroki PC	Panj Grian	800.45	0.0743	1	400.225	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Chah Baluchan	801.61	0.0744	1	400.806	1
Hafizabad	Pindi Bhattian	Sukheki QH	Mona Manika PC	Chhanni Qasim	815.55	0.0757	1	407.776	1
Hafizabad	Hafizabad	Kaleke QH	Burj Dara PC	Burj Dara	821.36	0.0762	1	410.681	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kotla Anandan PC	Thatta Sikander	821.36	0.0762	1	410.681	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rai Chand PC	Chhanni Janan	827.17	0.0768	1	413.585	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Khatrani	835.30	0.0775	1	417.651	1
Hafizabad	Pindi Bhattian	Sukheki QH	Jando Ki PC	Barak Pur	842.27	0.0782	1	421.136	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Garhi Gondel PC	Garhi Androon	843.43	0.0783	1	421.717	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Naro Wal PC	Mirkhe Kalan	844.60	0.0784	1	422.298	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Qila Murad Bakhsh PC	Chhanni Noor Muhammad	845.76	0.0785	1	422.879	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Behk Muqayy-Ud-Din	850.40	0.0789	1	425.202	1
Hafizabad	Hafizabad	Kaleke QH	Khanjar PC	Bache Kohna	867.83	0.0806	1	433.916	1

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Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Bahri	878.29	0.0815	1	439.144	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Bhunda	879.45	0.0816	1	439.724	1
Hafizabad	Pindi Bhattian	Kasise QH	Tahli Goraya PC	Dhalke Khurd	881.77	0.0819	1	440.886	1
Hafizabad	Hafizabad	Kaleke QH	Bangar PC	Mabara	886.42	0.0823	1	443.210	1
Hafizabad	Pindi Bhattian	Kasise QH	Thatta Gahra PC	Hoseki Sani	889.90	0.0826	1	444.952	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Thatta Chheena	892.23	0.0828	1	446.114	1
Hafizabad	Hafizabad	Kaleke QH	Shah Jamal PC	Lolian Wala	894.55	0.0830	1	447.276	1
Hafizabad	Hafizabad	Chak Chatha QH	Jurian PC	Panjhathha	911.98	0.0847	1	455.989	1
Hafizabad	Hafizabad	Kaleke QH	Burj Dara PC	Qila Tek Singh	916.62	0.0851	1	458.312	1
Hafizabad	Hafizabad	Hafizabad-Ii QH	Muradian PC	Ahmad Pur	927.08	0.0861	1	463.540	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Landan Wala	928.24	0.0862	1	464.121	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Chak No 474 PC	Chak No 474	930.57	0.0864	1	465.283	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Mirza Bhattian PC	Shah Pur	930.57	0.0864	1	465.283	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Malian PC	Noon Bhai Khan	938.70	0.0871	1	469.349	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rahgo PC	Akkan Wala	941.02	0.0874	1	470.511	1
Hafizabad	Pindi Bhattian	Kasise QH	Kasise PC	Bhopa Lodhika	942.18	0.0875	1	471.092	1
Hafizabad	Pindi Bhattian	Kasise QH	Pir Kamal PC	Pir Kamal	972.39	0.0903	1	486.195	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Shah Muhammad	972.39	0.0903	1	486.195	1
Hafizabad	Hafizabad	Vanike Tarar QH	Rajja PC	Muzaffar Nau	981.68	0.0911	1	490.842	1
Hafizabad	Pindi Bhattian	Kasise QH	Madhora Kalan PC	Said Wala	985.17	0.0915	1	492.584	1
Hafizabad	Hafizabad	Hafizabad-I QH	Hafizabad PC	Rakh Har Sukh Rai	990.98	0.0920	1	495.489	1
Hafizabad	Pindi Bhattian	Sukheki QH	Pir Lakhhan PC	Par Ghasru	993.30	0.0922	1	496.650	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Chian PC	Ganjian Wala	995.62	0.0924	1	497.812	1
Hafizabad	Hafizabad	Kaleke QH	Nanoana PC	Qila Ram Rang	1006.08	0.0934	1	503.040	1
Hafizabad	Pindi Bhattian	Kasise QH	Pir Kamal PC	Walle Ke	1006.08	0.0934	1	503.040	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Gujar Ke	1011.89	0.0939	1	505.944	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Mahmood Pur PC	Chhanni Thathlan	1011.89	0.0939	1	505.944	1

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Hafizabad	Hafizabad	Vanike Tarar QH	Bukan Kalan PC	Bukan Khurd	1024.67	0.0951	1	512.334	1
Hafizabad	Hafizabad	Kaleke QH	Gige PC	Qila Bakhisha	1028.15	0.0954	1	514.077	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Pahlwan PC	Thatta Kanjwan	1029.32	0.0956	1	514.658	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Pir Kot Shumali	1031.64	0.0958	1	515.819	1
Hafizabad	Pindi Bhattian	Sukheki QH	Bhabra PC	Ambaltas	1036.29	0.0962	1	518.143	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Kot Nizam	1040.93	0.0966	1	520.466	1
Hafizabad	Hafizabad	Chak Chatha QH	Chak Chatha PC	Pir Kot Janubi	1050.23	0.0975	1	525.113	1
Hafizabad	Pindi Bhattian	Sukheki QH	Pir Lakhhan PC	Par Nasiba	1061.84	0.0986	1	530.922	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rahgo PC	Malakwala	1066.49	0.0990	1	533.246	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Malian PC	Pakka	1066.49	0.0990	1	533.246	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Kud Lathi	1067.65	0.0991	1	533.827	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Kot Daim	1074.62	0.0998	1	537.312	1
Hafizabad	Hafizabad	Kaleke QH	Shah Jamal PC	Phullo Chiragh Shah	1076.95	0.1000	1	538.474	1
Hafizabad	Hafizabad	Soian Wala QH	Ala-Ud-Din Ke PC	Thatta Shamsa	1092.05	0.1014	1	546.025	1
Hafizabad	Hafizabad	Chak Chatha QH	Kot Hassan Khan PC	Rakh Pindi Jalol	1110.64	0.1031	1	555.319	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kotla Anandan PC	Jag Bhatti	1112.96	0.1033	1	556.481	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Solangi Kharal PC	Roopeki	1139.68	0.1058	1	569.841	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Daulu Kalan	1139.68	0.1058	1	569.841	1
Hafizabad	Hafizabad	Chak Chatha QH	Chak Chatha PC	Kharalan Wala	1142.01	0.1060	1	571.003	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Raika PC	Thattha Sabit Shah	1151.30	0.1069	1	575.650	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Jahanian Khatrian	1152.46	0.1070	1	576.231	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Bhaun Ratta PC	Bhaun Ratta	1158.27	0.1075	1	579.135	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Shori Maneka PC	Khhichian Lalerah	1159.43	0.1076	1	579.716	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Dhiranke Lalke PC	Saire	1191.96	0.1107	1	595.980	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Balo Kohna	1191.96	0.1107	1	595.980	1
Hafizabad	Pindi Bhattian	Sukheki QH	Pir Lakhhan PC	Par Massu	1195.45	0.1110	1	597.723	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Mirza Bhattian PC	Baharke	1197.77	0.1112	1	598.885	1

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Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Behlol Pur PC	Maqsooda	1202.42	0.1116	1	601.208	1
Hafizabad	Hafizabad	Kaleke QH	Shamir Dinga PC	Bache Nau	1203.58	0.1117	1	601.789	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Kot Ghazi Kalan	1205.90	0.1119	1	602.951	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Bhopa Chidhran	1207.06	0.1121	1	603.532	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Bagh Nau PC	Bagh Nau	1217.52	0.1130	1	608.760	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kotla Anandan PC	Kotla Anandan	1231.46	0.1143	1	615.730	1
Hafizabad	Hafizabad	Vanike Tarar QH	Mehdi Abad PC	Dhari Wal	1239.59	0.1151	1	619.796	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Naro Wal PC	Mirkhe Khurd	1239.59	0.1151	1	619.796	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Nasso Wal PC	Nassowal	1243.08	0.1154	1	621.539	1
Hafizabad	Hafizabad	Vanike Tarar QH	Bukan Kalan PC	Jhanb	1248.89	0.1159	1	624.443	1
Hafizabad	Hafizabad	Kaleke QH	Khanjar PC	Bhaka	1262.83	0.1172	1	631.414	1
Hafizabad	Hafizabad	Hafizabad-Ii QH	Garhi Ghous PC	Dhanaya (Mumtazabad)	1267.48	0.1177	1	633.738	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rai Chand PC	Gajranwali	1277.93	0.1186	1	638.965	1
Hafizabad	Hafizabad	Kaleke QH	Bangar PC	Bangar	1306.97	0.1213	1	653.487	1
Hafizabad	Hafizabad	Hafizabad-I QH	Hafizabad PC	Chhenne	1319.75	0.1225	1	659.877	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Chak No 002 PC	Chak No 003	1322.08	0.1227	1	661.039	1
Hafizabad	Hafizabad	Soian Wala QH	Ala-Ud-Din Ke PC	Bhiri Chatha	1326.72	0.1232	1	663.362	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Kot Mohabbat	1327.89	0.1233	1	663.943	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Pahlwan PC	Kot Pahlwan	1340.67	0.1245	1	670.333	1
Hafizabad	Hafizabad	Kaleke QH	Shah Jamal PC	Sarup Wala	1348.80	0.1252	1	674.399	1
Hafizabad	Hafizabad	Hafizabad-I QH	Kalianwala PC	Nadala Kham	1354.61	0.1258	1	677.303	1
Hafizabad	Hafizabad	Kaleke QH	Nanoana PC	Kot Mian	1360.42	0.1263	1	680.208	1
Hafizabad	Hafizabad	Hafizabad-I QH	Qila Ram Kaur PC	Winge	1368.55	0.1270	1	684.274	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Chak Sabu	1368.55	0.1270	1	684.274	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Pindi Bawre PC	Chak Maulu	1375.52	0.1277	1	687.759	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Kot Said Muhammad	1384.81	0.1286	1	692.406	1
Hafizabad	Hafizabad	Kaleke QH	Melo Ana PC	Melo Ana	1388.30	0.1289	1	694.149	1

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Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Kot Alam Kalan PC	Kot Alam Kalan	1398.75	0.1299	1	699.377	1
Hafizabad	Pindi Bhattian	Sukheki QH	Pir Lakhhan PC	Par Lakhhan	1412.69	0.1311	1	706.347	1
Hafizabad	Pindi Bhattian	Kasise QH	Tahli Goraya PC	Nabu Rara	1434.77	0.1332	1	717.384	1
Hafizabad	Hafizabad	Soian Wala QH	Ala-Ud-Din Ke PC	Thatti Anokh Singh	1438.25	0.1335	1	719.127	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Kot Said Muhammad PC	Chhine Wali	1449.87	0.1346	1	724.935	1
Hafizabad	Hafizabad	Soian Wala QH	Bahri PC	Kot Pir Muhammad	1449.87	0.1346	1	724.935	1
Hafizabad	Pindi Bhattian	Kasise QH	Tahli Goraya PC	Dhalke Kalan	1449.87	0.1346	1	724.935	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Marth PC	Kot Ghazi Khurd	1469.62	0.1364	1	734.810	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Lodhra	1470.78	0.1365	1	735.391	1
Hafizabad	Hafizabad	Kaleke QH	Shah Jamal PC	Shahana	1485.89	0.1379	1	742.943	1
Hafizabad	Pindi Bhattian	Kasise QH	Hardo Ratta PC	Wadror	1491.69	0.1385	1	745.847	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Pindi Bawre PC	Hardo Pipli	1494.02	0.1387	1	747.009	1
Hafizabad	Hafizabad	Vanike Tarar QH	Rajja PC	Rajja	1504.47	0.1397	1	752.237	1
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Jahanian	1506.80	0.1399	1	753.398	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Solangi Kharal PC	Thatta Mahman	1507.96	0.1400	1	753.979	1
Hafizabad	Hafizabad	Kaleke QH	Burj Dara PC	Mattu	1527.71	0.1418	1	763.854	1
Hafizabad	Pindi Bhattian	Sukheki QH	Pir Lakhhan PC	Par Ahmad	1542.81	0.1432	1	771.406	1
Hafizabad	Pindi Bhattian	Kasise QH	Madhora Kalan PC	Kot Khushhal	1552.11	0.1441	1	776.053	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Raika PC	Kot Gurdit Singh	1564.88	0.1453	1	782.442	1
Hafizabad	Hafizabad	Vanike Tarar QH	Pheroki PC	Hardo Thatta Baman	1576.50	0.1464	1	788.251	1
Hafizabad	Hafizabad	Soian Wala QH	Nikki Chatha PC	Kotli Daim	1612.52	0.1497	1	806.258	1
Hafizabad	Hafizabad	Hafizabad-Ii QH	Sagar Khurd PC	Kotli Amir Singh	1619.49	0.1503	1	809.743	1
Hafizabad	Pindi Bhattian	Kasise QH	Mona Mae Thatta Salabat PC	Kan Madhaura	1643.88	0.1526	1	821.942	1
Hafizabad	Hafizabad	Vanike Tarar QH	Chak Sajjada PC	Chak Sajjada	1657.82	0.1539	1	828.912	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Behlol Pur PC	Chuchak	1662.47	0.1543	1	831.236	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Shah Behlol	1665.96	0.1547	1	832.979	1
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Chhanni Karim Dad	1674.09	0.1554	1	837.045	1

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Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Burj Masti PC	Burj Masti	1688.03	0.1567	1	844.015	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Raika PC	Thatta Raika	1724.04	0.1600	1	862.022	1
Hafizabad	Hafizabad	Chak Chatha QH	Sioke PC	Sioke	1727.53	0.1604	1	863.765	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rai Chand PC	Rai Chand	1729.85	0.1606	1	864.927	1
Hafizabad	Hafizabad	Kaleke QH	Nanoana PC	Samrai	1735.66	0.1611	1	867.831	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Rasulpur PC	Fateh Pur	1736.82	0.1612	1	868.412	1
Hafizabad	Pindi Bhattian	Kasise QH	Madhora Kalan PC	Hazari	1736.82	0.1612	1	868.412	1
Hafizabad	Pindi Bhattian	Jalalpur Nau QH	Solangi Kharal PC	Dahrian	1750.77	0.1625	1	875.383	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Thatta Malian PC	Thatta Malian	1768.19	0.1641	1	884.096	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Rai Chand PC	Ram Tarar	1770.52	0.1644	1	885.258	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Shah Behlol PC	Siddique Abad	1778.65	0.1651	1	889.324	1
Hafizabad	Hafizabad	Chak Chatha QH	Lawere PC	Kot Nanak	1803.04	0.1674	1	901.522	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Fateh Ki PC	Hojen	1811.18	0.1681	1	905.588	1
Hafizabad	Hafizabad	Kaleke QH	Uddoki PC	Thatta Mank	1815.82	0.1686	1	907.912	1
Hafizabad	Hafizabad	Vanike Tarar QH	Rajja PC	Balike Nau	1821.63	0.1691	1	910.816	1
Hafizabad	Pindi Bhattian	Pindi Bhattian QH	Thatti Asaish Kalan PC	Thatti Asaish Kalan	1829.76	0.1699	1	914.882	1
Hafizabad	Hafizabad	Hafizabad-Ii QH	Sagar Khurd PC	Sagar Khurd	1859.97	0.1727	1	929.985	1
Hafizabad	Hafizabad	Kaleke QH	Melo Ana PC	Qila Usman Ghani	1893.66	0.1758	1	946.831	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Kot Nikka PC	Kishan Garh	1902.96	0.1767	1	951.478	1
Hafizabad	Hafizabad	Kaulo Tarar QH	Chhanni Wazira PC	Chhanni Wazira	1907.60	0.1771	1	953.801	1
Hafizabad	Hafizabad	Vanike Tarar QH	Asdullah Pur PC	Asdullah Pur	1925.03	0.1787	1	962.514	1
Hafizabad	Pindi Bhattian	Kot Nikka QH	Chak No 002 PC	Chak No 002	1926.19	0.1788	1	963.095	1
Hafizabad	Pindi Bhattian	Kasise QH	Dohatta Azmat PC	Manjwan	1929.68	0.1791	1	964.838	1
Hafizabad	Hafizabad	Hafizabad-I QH	Mamna PC	Mamna	1997.06	0.1854	1	998.529	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Miana Gondal PC	Miana Gondal	28196.67	7.8528	6	14098.334	7
Mandi Bahauddin	Malakwal	Bosal QH	Bosal (Shumali & Janubi) PC	Bosal(Shumali & Janubi)	27125.40	7.5545	6	13562.699	7

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Mandi Bahauddin	Malakwal	Bosal QH	Rukkan PC	Rukkan	26122.61	7.2752	5	13061.305	7
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Mianwal PC	Mianwal	23028.64	6.4135	5	11514.322	6
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Bhiki PC	Bhiki	21968.38	6.1182	5	10984.190	6
Mandi Bahauddin	Phalia	Bherowal QH	Har Do Rerka PC	Har Do Rerka	21542.81	5.9997	4	10771.404	6
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Bolani PC	Sohawa Bolani	21541.58	5.9994	4	10770.792	6
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khutala Sheikhan PC	Khutala Sheikhan	20843.30	5.8049	4	10421.651	6
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Mong PC	Mong	18841.40	3.4982	3	9420.698	5
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Jamlani PC	Sohawa Jamlani	18314.32	3.4004	3	9157.161	5
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Chelianwali PC	Chelianwali	18276.41	3.3933	3	9138.206	5
Mandi Bahauddin	Malakwal	Bosal QH	Gojra PC	Gojra	17057.17	3.1670	3	8528.584	5
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sahna PC	Sahna	14058.59	2.6102	3	7029.295	4
Mandi Bahauddin	Phalia	Paharian Wali QH	Helan PC	Helan	13696.61	2.5430	3	6848.304	4
Mandi Bahauddin	Malakwal	Bosal QH	Masoor PC	Masoor	13395.77	2.4872	3	6697.886	4
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Chimmon PC	Chimmon	13137.74	2.4392	3	6568.869	4
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Marala PC	Marala	12325.72	2.2885	3	6162.862	4
Mandi Bahauddin	Malakwal	Malikwal QH	Badshahpur PC	Badshahpur	12319.61	2.2874	3	6159.805	4
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Shaheedanwali PC	Shaheedanwali	12225.45	2.2699	3	6112.723	4
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jhulana PC	Jhulana	11927.06	2.2145	3	5963.528	3
Mandi Bahauddin	Malakwal	Miana Gondal QH	Bar Moosa PC	Bar Moosa	11798.65	2.1906	3	5899.325	3
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Mojianwali PC	Mojianwali	10864.35	2.0172	3	5432.173	3
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Kadhar PC	Kadhar	15321.86	2.8448	2	7660.929	4
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Mano PC	Chak Mano	10584.30	1.9652	2	5292.149	3

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Mandi Bahauddin	Phalia	Phalia-I QH	Dhaul PC	Dhaul	10409.42	1.9327	2	5204.711	3
Mandi Bahauddin	Malakwal	Miana Gondal QH	Pindi Rawan PC	Pindi Rawan	10201.53	1.8941	2	5100.764	3
Mandi Bahauddin	Phalia	Paharian Wali QH	Hegranwala PC	Hegranwala	10122.04	1.8793	2	5061.019	3
Mandi Bahauddin	Malakwal	Malikwal QH	Chot PC	Chot Dheeran	10075.57	1.8707	2	5037.784	3
Mandi Bahauddin	Phalia	Qadirabad QH	Saida PC	Saida	10051.11	1.8662	2	5025.554	3
Mandi Bahauddin	Phalia	Bherowal QH	Bherowal PC	Bherowal	10008.31	1.8582	2	5004.154	3
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Pandowal Bala PC	Pandowal Bala	10005.86	1.8578	2	5002.931	3
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chak Basawa PC	Chak Basawa	10004.64	1.8575	2	5002.319	3
Mandi Bahauddin	Malakwal	Miana Gondal QH	Garh PC	Faqirian	9958.17	1.3867	2	4979.084	3
Mandi Bahauddin	Phalia	Jokalian QH	Chak Zahir PC	Chak Zahir	9665.89	1.3460	2	4832.946	3
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Siwia PC	Siwia	9610.86	1.3383	2	4805.430	3
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Diluana PC	Sohawa Diluana	9570.50	1.3327	2	4785.252	3
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rasul PC	Rasul	9395.63	1.3083	2	4697.814	3
Mandi Bahauddin	Phalia	Paharian Wali QH	Paharian Wali PC	Pahrianwali	9323.48	1.2983	2	4661.738	3
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Makewal PC	Makewal	9229.31	1.2852	2	4614.656	3
Mandi Bahauddin	Phalia	Jokalian QH	Jokalian PC	Jokalian	9120.47	1.2700	2	4560.237	3
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Nain PC	Nain	8950.49	1.2464	2	4475.244	3
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Ahla PC	Ahla	8776.84	1.2222	2	4388.418	3
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Chak Jano Kalan	8680.23	1.2087	2	4340.113	3
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Kadhanwala PC	Kuthala Sayyadan	8675.33	1.2080	2	4337.667	3
Mandi Bahauddin	Malakwal	Bosal QH	Khai PC	Khai	8423.41	1.1730	2	4211.707	3
Mandi Bahauddin	Malakwal	Malikwal QH	Haria PC	Haria	8345.15	1.1621	2	4172.574	3

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Mandi Bahauddin	Malakwal	Bosal QH	Bukan PC	Bukan	7935.47	1.1050	2	3967.736	2
Mandi Bahauddin	Phalia	Jokalian QH	Pindi Kalu PC	Pindi Kalu	7886.56	1.0982	2	3943.278	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Har Do Bohat PC	Hardo Bohat	7725.13	1.0757	2	3862.566	2
Mandi Bahauddin	Phalia	Qadirabad QH	Seere PC	Seere	7595.50	1.0577	2	3797.751	2
Mandi Bahauddin	Phalia	Qadirabad QH	Ghoganwali PC	Chak Shahbaz	7544.14	1.0505	2	3772.070	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Garh PC	Garh	7427.96	1.0343	2	3713.982	2
Mandi Bahauddin	Phalia	Qadirabad QH	Bheeko PC	Bheeko	7385.16	1.0284	2	3692.581	2
Mandi Bahauddin	Malakwal	Malikwal QH	Shumari PC	Shumari	4969.91	0.4614	1	2484.956	3
Mandi Bahauddin	Phalia	Jokalian QH	Ranmal PC	Ranmal	4962.57	0.4607	1	2481.287	3
Mandi Bahauddin	Malakwal	Malikwal QH	Khatiala Khurd PC	Khatiala Khurd	4945.45	0.4591	1	2472.727	3
Mandi Bahauddin	Phalia	Phalia-I QH	Raike PC	Ragh	4939.34	0.4585	1	2469.670	3
Mandi Bahauddin	Phalia	Paharian Wali QH	Rajoa PC	Chichrianwali	4925.89	0.4573	1	2462.944	3
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Phire	4919.77	0.4567	1	2459.886	3
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Nawan Lok PC	Kalu Wali	4917.33	0.4565	1	2458.663	3
Mandi Bahauddin	Phalia	Phalia-Ii QH	Kailu PC	Duggal	4917.33	0.4565	1	2458.663	3
Mandi Bahauddin	Malakwal	Miana Gondal QH	Wariat PC	Chak No 028	4869.63	0.4521	1	2434.817	3
Mandi Bahauddin	Phalia	Qadirabad QH	Dhuni Khurd PC	Dhuni Khurd	4806.04	0.4462	1	2403.021	3
Mandi Bahauddin	Malakwal	Malikwal QH	Bahuwal PC	Bahuwal	4765.69	0.4424	1	2382.843	3
Mandi Bahauddin	Phalia	Phalia-I QH	Kot Rahmshah PC	Kot Rahm Shah	4581.03	0.4253	1	2290.513	3
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jayya PC	Jayya	4538.22	0.4213	1	2269.112	3
Mandi Bahauddin	Phalia	Bherowal QH	Jassowal PC	Jassowal	4506.43	0.4183	1	2253.214	3
Mandi Bahauddin	Phalia	Bherowal QH	Waryam PC	Waryam	4501.54	0.4179	1	2250.768	3

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Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Kot Noor Shah	4477.08	0.4156	1	2238.539	3
Mandi Bahauddin	Malakwal	Malikwal QH	Chak Raib PC	Chak Raib	4337.67	0.4027	1	2168.833	3
Mandi Bahauddin	Phalia	Phalia-I QH	Dhaul PC	Madhre	4293.64	0.3986	1	2146.821	3
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Aki PC	Aki	4289.97	0.3983	1	2144.987	3
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khanana PC	Khanana	4272.85	0.3967	1	2136.426	3
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Saharan PC	Dhok Jauri	4205.59	0.3904	1	2102.796	3
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Marala PC	Makhnanwali	4199.48	0.3899	1	2099.739	3
Mandi Bahauddin	Phalia	Bherowal QH	Lakha PC	Kadhar Gharbi	4143.22	0.3846	1	2071.612	3
Mandi Bahauddin	Phalia	Phalia-I QH	Kot Rahmshah PC	Sarle	4122.43	0.3827	1	2061.217	3
Mandi Bahauddin	Phalia	Paharian Wali QH	Noor Jamal PC	Choranwala	4093.08	0.3800	1	2046.542	3
Mandi Bahauddin	Phalia	Bherowal QH	Musa Kalan PC	Musa Kalan	4073.52	0.3782	1	2036.759	3
Mandi Bahauddin	Malakwal	Malikwal QH	Chak Raib PC	Chak No 009	7080.66	0.9860	1	3540.329	2
Mandi Bahauddin	Malakwal	Malikwal QH	Pind Makko PC	Mona Depot	7040.30	0.9804	1	3520.151	2
Mandi Bahauddin	Malakwal	Malikwal QH	Mahji PC	Mahji	7021.96	0.9778	1	3510.979	2
Mandi Bahauddin	Phalia	Phalia-I QH	Ledhar PC	Ledhar	6918.01	0.9633	1	3459.005	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Dhok Daud PC	Rakh Baluch (Nihal Sing) K	6911.90	0.9625	1	3455.948	2
Mandi Bahauddin	Phalia	Phalia-I QH	Raike PC	Raike	6892.33	0.9598	1	3446.164	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Kailu PC	Kailu	6840.97	0.9526	1	3420.483	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Lakhnewala PC	Lakhnewala	6827.51	0.9507	1	3413.757	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chorund PC	Chorund	6754.14	0.9405	1	3377.070	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Lakhnewala PC	Chak Fateh Shah	6608.61	0.9203	1	3304.307	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Ghanian PC	Ghanian	6563.37	0.9140	1	3281.683	2

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Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Nawan Lok PC	Nawan Lok	6551.14	0.9122	1	3275.568	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chak No 02 PC	Chak No 002	6548.69	0.9119	1	3274.345	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khamb Khurd PC	Khamb Khurd	6432.51	0.8957	1	3216.257	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rakh Meenar Garh PC	Rakh Meenar Garh	6284.54	0.8751	1	3142.271	2
Mandi Bahauddin	Phalia	Phalia-I QH	Pindi Lala PC	Pindi Lala	6250.30	0.8704	1	3125.150	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Kasib PC	Dhok Kasib	6206.28	0.8642	1	3103.138	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Haslanwala PC	Haslanwala	6202.61	0.8637	1	3101.303	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Lasuri Kalan PC	Lasuri Kalan	6164.70	0.8584	1	3082.348	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Sandah PC	Sandah	6080.32	0.8467	1	3040.158	2
Mandi Bahauddin	Malakwal	Malikwal QH	Mona PC	Mona	6020.39	0.8383	1	3010.196	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Wariat PC	Wariat	5852.85	0.8150	1	2926.427	2
Mandi Bahauddin	Phalia	Bherowal QH	Mamdana PC	Mamdana	5827.17	0.8114	1	2913.586	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Chak No 026 PC	Chak No 026	5799.05	0.8075	1	2899.523	2
Mandi Bahauddin	Phalia	Qadirabad QH	Kala Shadian PC	Kala Shadian	5795.38	0.8070	1	2897.689	2
Mandi Bahauddin	Malakwal	Bosal QH	Gohar PC	Gohar	5775.81	0.8043	1	2887.905	2
Mandi Bahauddin	Malakwal	Malikwal QH	Pind Makko PC	Pind Makko	5703.66	0.7942	1	2851.829	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Makewal PC	Ratowal	5663.30	0.7886	1	2831.651	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Dafar PC	Dafar	5643.74	0.7859	1	2821.868	2
Mandi Bahauddin	Phalia	Qadirabad QH	Bhoia Hassan PC	Bhoia Hassan	5583.81	0.7775	1	2791.907	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Nawan Lok PC	Dhok Nawan Lok	5576.48	0.7765	1	2788.238	2
Mandi Bahauddin	Phalia	Qadirabad QH	Dhuni Kalan PC	Dhuni Kalan	5574.03	0.7762	1	2787.015	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Kot Biloch	5468.86	0.7615	1	2734.430	2

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Mandi Bahauddin	Phalia	Phalia-I QH	Mekan PC	Mekan	5432.17	0.7564	1	2716.086	2
Mandi Bahauddin	Phalia	Bherowal QH	Thakkar Kalan PC	Thakkar Kalan	5353.91	0.7455	1	2676.953	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Pandowal Pain PC	Pandowal Pain	5300.10	0.7380	1	2650.049	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Gunian PC	Gunian	5293.98	0.7372	1	2646.992	2
Mandi Bahauddin	Phalia	Qadirabad QH	Seere PC	Dhola	5273.19	0.7343	1	2636.597	2
Mandi Bahauddin	Malakwal	Malikwal QH	Chak No 20 PC	Bhalowal	5235.28	0.7290	1	2617.642	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Khewa	5227.95	0.7280	1	2613.973	2
Mandi Bahauddin	Malakwal	Bosal QH	Sahibwal PC	Sahibwal	5214.49	0.7261	1	2607.247	2
Mandi Bahauddin	Malakwal	Malikwal QH	Malikwal PC	Kaulowal Kotehra	5209.60	0.7254	1	2604.801	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jhulana PC	Chak No 038	5111.77	0.7118	1	2555.885	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jiwan PC	Sandhanwala	5034.73	0.7011	1	2517.363	2
Mandi Bahauddin	Phalia	Bherowal QH	Fattowala PC	Fattowala	4008.70	0.3721	1	2004.352	2
Mandi Bahauddin	Phalia	Phalia-I QH	Kot Rahmshah PC	Lak	3991.58	0.3706	1	1995.791	2
Mandi Bahauddin	Phalia	Jokalian QH	Sadullah Pur PC	Sadullahpur	3910.87	0.3631	1	1955.435	2
Mandi Bahauddin	Malakwal	Malikwal QH	Shumari PC	Ajowal	3848.50	0.3573	1	1924.251	2
Mandi Bahauddin	Phalia	Bherowal QH	Mamdana PC	Pipli	3833.83	0.3559	1	1916.914	2
Mandi Bahauddin	Malakwal	Malikwal QH	Chak No 20 PC	Chak No 020	3813.04	0.3540	1	1906.519	2
Mandi Bahauddin	Phalia	Qadirabad QH	Thathi Shah Muhammad PC	Mehlu Kohna	3733.55	0.3466	1	1866.774	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khanana PC	Hassan	3649.17	0.3388	1	1824.584	2
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chak Basawa PC	Ahdian	3639.38	0.3379	1	1819.692	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rasul PC	Wara Balian	3561.12	0.3306	1	1780.559	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Hegranwala PC	Ranseeke	3512.20	0.3261	1	1756.101	2

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Mandi Bahauddin	Phalia	Jokalian QH	Bhagat PC	Agroya	3506.09	0.3255	1	1753.044	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Kotli Qazi PC	Kotli Qazi	3497.53	0.3247	1	1748.763	2
Mandi Bahauddin	Phalia	Bherowal QH	Lakha PC	Lakha	3487.74	0.3238	1	1743.872	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Mohabatpur	3480.41	0.3231	1	1740.203	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Bar Moosa PC	Chak No 046	3464.51	0.3216	1	1732.254	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Aedal PC	Bhachchar	3433.94	0.3188	1	1716.968	2
Mandi Bahauddin	Phalia	Jokalian QH	Narang PC	Narang	3426.60	0.3181	1	1713.299	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bahri PC	Bahri	3409.48	0.3165	1	1704.739	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Saharan PC	Dhok Saharan	3404.59	0.3161	1	1702.293	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Aki PC	Chak No 014	3397.25	0.3154	1	1698.624	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Wariat PC	Chak No 029	3363.01	0.3122	1	1681.503	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Sandah PC	Chak No 031	3337.33	0.3098	1	1668.663	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rakh Meenar Garh PC	Chak Sher Mohammad	3333.66	0.3095	1	1666.828	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bumbli PC	Dhal	3321.43	0.3083	1	1660.714	2
Mandi Bahauddin	Malakwal	Bosal QH	Gohar PC	Chak No 016	3309.20	0.3072	1	1654.599	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Dharekan Kalan	3301.86	0.3065	1	1650.930	2
Mandi Bahauddin	Malakwal	Malikwal QH	Khatiala Khurd PC	Wara Alam Shah	3279.85	0.3045	1	1639.924	2
Mandi Bahauddin	Phalia	Bherowal QH	Jajja Ur PC	Kot Pindiwala	3226.04	0.2995	1	1613.020	2
Mandi Bahauddin	Phalia	Phalia-I QH	Pindi Lala PC	Pindi Magho	3210.14	0.2980	1	1605.071	2
Mandi Bahauddin	Malakwal	Malikwal QH	Mona PC	Khezar	3194.24	0.2965	1	1597.122	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bumbli PC	Bumbli	3190.58	0.2962	1	1595.288	2
Mandi Bahauddin	Malakwal	Bosal QH	Bukan PC	Chak No 033	3183.24	0.2955	1	1591.619	2

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Mandi Bahauddin	Phalia	Bherowal QH	Jassowal PC	Sayyad	3175.90	0.2948	1	1587.950	2
Mandi Bahauddin	Malakwal	Bosal QH	Masoor PC	Bhojowal	3150.22	0.2924	1	1575.110	2
Mandi Bahauddin	Phalia	Qadirabad QH	Burj Aggar PC	Khairewal	3093.97	0.2872	1	1546.983	2
Mandi Bahauddin	Phalia	Qadirabad QH	Ghoganwali PC	Ghoganwali	3081.74	0.2861	1	1540.868	2
Mandi Bahauddin	Phalia	Jokalian QH	Chak Zahir PC	Sohawa Warraichan	3080.51	0.2860	1	1540.257	2
Mandi Bahauddin	Phalia	Jokalian QH	Chak Mitha PC	Chak Mitha	3079.29	0.2859	1	1539.645	2
Mandi Bahauddin	Phalia	Bherowal QH	Jajja Ur PC	Jajja Ur	3040.16	0.2822	1	1520.079	2
Mandi Bahauddin	Phalia	Bherowal QH	Cheto PC	Cheto	2976.57	0.2763	1	1488.283	2
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Nawan Lok PC	Dhok Murad	2966.78	0.2754	1	1483.392	2
Mandi Bahauddin	Phalia	Bherowal QH	Chak No 44 PC	Chak No 044	2960.67	0.2748	1	1480.334	2
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Aedal PC	Aedal	2949.66	0.2738	1	1474.831	2
Mandi Bahauddin	Malakwal	Miana Gondal QH	Chak No 026 PC	Chak No 030	2939.88	0.2729	1	1469.940	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Noor Jamal PC	Chak Khawaja	2910.53	0.2702	1	1455.265	2
Mandi Bahauddin	Phalia	Qadirabad QH	Saida PC	Dandka	2866.50	0.2661	1	1433.252	2
Mandi Bahauddin	Phalia	Bherowal QH	Cheto PC	Shere Wala (Kot Sher Muh	2845.71	0.2642	1	1422.857	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Hegranwala PC	Khayian	2842.05	0.2638	1	1421.023	2
Mandi Bahauddin	Phalia	Qadirabad QH	Thathi Shah Muhammad PC	Thathi Shah Mohammad	2806.58	0.2605	1	1403.291	2
Mandi Bahauddin	Phalia	Jokalian QH	Narang PC	Khoosar	2774.79	0.2576	1	1387.393	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Rajoa PC	Rajoa	2767.45	0.2569	1	1383.724	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jiwan PC	Chak Jiwan	2747.88	0.2551	1	1373.941	2
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Chak Jano Khurd	2729.54	0.2534	1	1364.769	2
Mandi Bahauddin	Phalia	Jokalian QH	Chak Zahir PC	Kot Phuleshah	2698.97	0.2506	1	1349.483	2

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Mandi Bahauddin	Phalia	Bherowal QH	Khamb Kalan PC	Khamb Kalan	2694.07	0.2501	1	1347.037	2
Mandi Bahauddin	Phalia	Jokalian QH	Chak Mitha PC	Pindi Dhotran	2680.62	0.2489	1	1340.311	2
Mandi Bahauddin	Phalia	Qadirabad QH	Qadirabad PC	Kaure Karam Shah	2656.16	0.2466	1	1328.082	2
Mandi Bahauddin	Phalia	Qadirabad QH	Burj Aggar PC	Burj Aggar	2654.94	0.2465	1	1327.470	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Jamlani PC	Chak No.003	2624.37	0.2436	1	1312.184	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Dharekan Khurd	2623.14	0.2435	1	1311.572	2
Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Thatha Alia	2590.13	0.2405	1	1295.063	2
Mandi Bahauddin	Phalia	Phalia-Ii QH	Takhat Mal PC	Takaht Mal	2581.57	0.2397	1	1290.783	2
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Ditto Chuhr	2577.90	0.2393	1	1288.949	2
Mandi Bahauddin	Phalia	Bherowal QH	Musa Khurd PC	Musa Khurd	2559.55	0.2376	1	1279.777	2
Mandi Bahauddin	Phalia	Qadirabad QH	Qadirabad PC	Alhan	2498.41	0.2319	1	1249.204	1.249204
Mandi Bahauddin	Phalia	Qadirabad QH	Jago Kalan PC	Jago Kalan	2497.19	0.2318	1	1248.593	1.248593
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Kotli Afghanan	2495.96	0.2317	1	1247.981	1.247981
Mandi Bahauddin	Phalia	Jokalian QH	Kamoke PC	Gadhu	2487.40	0.2309	1	1243.701	1.243701
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Dhok Daud PC	Dhok Daud	2484.96	0.2307	1	1242.478	1.242478
Mandi Bahauddin	Malakwal	Malikwal QH	Chak No 20 PC	Chak No 023	2476.40	0.2299	1	1238.198	1.238198
Mandi Bahauddin	Phalia	Bherowal QH	Chak No 44 PC	Chak No 043	2437.26	0.2263	1	1218.631	1.218631
Mandi Bahauddin	Phalia	Jokalian QH	Pindi Kalu PC	Kirlianwala	2432.37	0.2258	1	1216.185	1.216185
Mandi Bahauddin	Phalia	Jokalian QH	Bhagat PC	Sarang	2418.92	0.2246	1	1209.459	1.209459
Mandi Bahauddin	Phalia	Bherowal QH	Jassowal PC	Ran	2392.01	0.2221	1	1196.007	1.196007
Mandi Bahauddin	Malakwal	Bosal QH	Gohar PC	Gohari	2382.23	0.2212	1	1191.116	1.191116
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Kutehra	2371.23	0.2201	1	1185.613	1.185613

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Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Kot Sattar Sharqi	2360.22	0.2191	1	1180.110	1.18011
Mandi Bahauddin	Malakwal	Malikwal QH	Haria PC	Kirtowal	2336.98	0.2170	1	1168.492	1.168492
Mandi Bahauddin	Malakwal	Miana Gondal QH	Dafar PC	Chak No 034	2301.52	0.2137	1	1150.760	1.15076
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Ahla PC	Bagga	2245.27	0.2084	1	1122.633	1.122633
Mandi Bahauddin	Phalia	Bherowal QH	Musa Khurd PC	Hambar	2225.70	0.2066	1	1112.849	1.112849
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jayya PC	Chak No 013	2198.79	0.2041	1	1099.397	1.099397
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Sainthal	2173.11	0.2017	1	1086.557	1.086557
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rasul PC	Boora	2146.21	0.1992	1	1073.105	1.073105
Mandi Bahauddin	Malakwal	Malikwal QH	Chak No 20 PC	Chak No 021	2144.99	0.1991	1	1072.493	1.072493
Mandi Bahauddin	Phalia	Bherowal QH	Musa Kalan PC	Kot Hast Khan	2143.76	0.1990	1	1071.882	1.071882
Mandi Bahauddin	Malakwal	Miana Gondal QH	Bar Moosa PC	Chak No 045	2126.64	0.1974	1	1063.321	1.063321
Mandi Bahauddin	Phalia	Qadirabad QH	Bhoia Hassan PC	Bhikewala	2126.64	0.1974	1	1063.321	1.063321
Mandi Bahauddin	Phalia	Phalia-Ii QH	Gajjan PC	Suleman	2104.63	0.1954	1	1052.315	1.052315
Mandi Bahauddin	Malakwal	Malikwal QH	Mahji PC	Wara Chamian	2091.18	0.1941	1	1045.589	1.045589
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Muradwal	2088.73	0.1939	1	1044.366	1.044366
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chorund PC	Jaisak	2086.29	0.1937	1	1043.143	1.043143
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rakh Meenar Garh PC	Chak No 001	2078.95	0.1930	1	1039.475	1.039475
Mandi Bahauddin	Phalia	Jokalian QH	Sadullah Pur PC	Laung	2071.61	0.1923	1	1035.806	1.035806
Mandi Bahauddin	Malakwal	Malikwal QH	Khatiala Khurd PC	Chak No 007	2064.27	0.1916	1	1032.137	1.032137
Mandi Bahauddin	Malakwal	Bosal QH	Khai PC	Chak No 042	2052.05	0.1905	1	1026.023	1.026023
Mandi Bahauddin	Phalia	Paharian Wali QH	Rajoa PC	Chak Saida	2049.60	0.1903	1	1024.800	1.0248
Mandi Bahauddin	Malakwal	Miana Gondal QH	Gunian PC	Chak No 048	2041.04	0.1895	1	1020.520	1.02052

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Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khutala Sheikhan PC	Ainowal	2030.03	0.1885	1	1015.016	1.015016
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Dhok Daud PC	Dhok Shahani	2009.24	0.1865	1	1004.622	1.004622
Mandi Bahauddin	Phalia	Jokalian QH	Chak Zahir PC	Arzani	2003.13	0.1860	1	1001.564	1.001564
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Burj Hassan	4.89	0.0005	1	2.446	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Akal Garh	13.45	0.0012	1	6.726	1
Mandi Bahauddin	Phalia	Bherowal QH	Khamb Kalan PC	Burj Umar	18.34	0.0017	1	9.172	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Nawan Lok PC	Garhi Lachha Singh	40.36	0.0037	1	20.178	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Khamb Alam	66.04	0.0061	1	33.019	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Merewala	67.26	0.0062	1	33.630	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Mong PC	Arazi Bai Luddan	75.82	0.0070	1	37.910	1
Mandi Bahauddin	Phalia	Bherowal QH	Bhuta Kohana PC	Burj Gahna	80.71	0.0075	1	40.356	1
Mandi Bahauddin	Phalia	Jokalian QH	Bhagat PC	Kotha Bhola	113.73	0.0106	1	56.865	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Kotli Qazi PC	Rakh Kotli Qazi	127.18	0.0118	1	63.591	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rasul PC	Rakh Rasul	128.41	0.0119	1	64.203	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Kotla Piran	149.20	0.0139	1	74.598	1
Mandi Bahauddin	Phalia	Bherowal QH	Khamb Kalan PC	Chak Chot	188.33	0.0175	1	94.164	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Chah Nikal	204.23	0.0190	1	102.113	1
Mandi Bahauddin	Phalia	Qadirabad QH	Dhuni Kalan PC	Mehr Kot	218.90	0.0203	1	109.451	1
Mandi Bahauddin	Phalia	Bherowal QH	Bhuta Kohana PC	Bhuta Kohana	255.59	0.0237	1	127.794	1
Mandi Bahauddin	Phalia	Qadirabad QH	Qadirabad PC	Dahram Kot	255.59	0.0237	1	127.794	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Qila Sardar Jawahar Sing	281.27	0.0261	1	140.635	1
Mandi Bahauddin	Phalia	Qadirabad QH	Jago Kalan PC	Gadgor	295.94	0.0275	1	147.972	1

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Mandi Bahauddin	Phalia	Qadirabad QH	Qadirabad PC	Chhanni Mughlan	336.30	0.0312	1	168.150	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bumbli PC	Malo Mahi Giran	343.64	0.0319	1	171.819	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Kapoor	358.31	0.0333	1	179.157	1
Mandi Bahauddin	Phalia	Phalia-I QH	Mekan PC	Pir Bullah	410.90	0.0381	1	205.449	1
Mandi Bahauddin	Phalia	Qadirabad QH	Kala Shadian PC	Thatha Hakamwala	417.01	0.0387	1	208.506	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Bansi Khurd	428.02	0.0397	1	214.009	1
Mandi Bahauddin	Phalia	Bherowal QH	Lakha PC	Aure	432.91	0.0402	1	216.455	1
Mandi Bahauddin	Phalia	Phalia-I QH	Ledhar PC	Chhanni Jawaya Shah	432.91	0.0402	1	216.455	1
Mandi Bahauddin	Malakwal	Malikwal QH	Mahji PC	Khaira	441.47	0.0410	1	220.736	1
Mandi Bahauddin	Phalia	Qadirabad QH	Jago Kalan PC	Thatha Gilgoyan	445.14	0.0413	1	222.570	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khutala Sheikhan PC	Chak No 040	456.15	0.0423	1	228.073	1
Mandi Bahauddin	Phalia	Jokalian QH	Ranmal PC	Kot Keke Shah	486.72	0.0452	1	243.359	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Kadhar PC	Kot Jafar	490.39	0.0455	1	245.194	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rakh Meenar Garh PC	Tarawania Wala	519.74	0.0482	1	259.869	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Chikore	523.41	0.0486	1	261.703	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Chak No 026 PC	Chak No 024	541.75	0.0503	1	270.875	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Ahla PC	Pindi Alyani	549.09	0.0510	1	274.544	1
Mandi Bahauddin	Phalia	Qadirabad QH	Bheeko PC	Jago Khurd	553.98	0.0514	1	276.989	1
Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Thatha Nika	555.20	0.0515	1	277.601	1
Mandi Bahauddin	Phalia	Bherowal QH	Khamb Kalan PC	Garh Lakkan	556.42	0.0517	1	278.212	1
Mandi Bahauddin	Phalia	Qadirabad QH	Thathi Shah Muhammad PC	Chook Kalan	566.21	0.0526	1	283.104	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Saharan PC	Rakh Baluch Khurd (Nihal	569.88	0.0529	1	284.938	1

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Mandi Bahauddin	Phalia	Paharian Wali QH	Lasuri Kalan PC	Gadhu Sultan	577.21	0.0536	1	288.607	1
Mandi Bahauddin	Phalia	Jokalian QH	Narang PC	Mallian	600.45	0.0557	1	300.225	1
Mandi Bahauddin	Phalia	Jokalian QH	Ranmal PC	Sahnianwala	612.68	0.0569	1	306.339	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Nain PC	Sajjan	629.80	0.0585	1	314.900	1
Mandi Bahauddin	Phalia	Phalia-I QH	Raike PC	Rook	645.70	0.0599	1	322.849	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Nurpur Katwi	690.94	0.0641	1	345.472	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chorund PC	Ker Bawa	698.28	0.0648	1	349.141	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Kharl Mohabatpur	699.51	0.0649	1	349.753	1
Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Melu	703.17	0.0653	1	351.587	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Kotla Shah Hussain	706.84	0.0656	1	353.421	1
Mandi Bahauddin	Phalia	Bherowal QH	Kokara PC	Kokara	711.73	0.0661	1	355.867	1
Mandi Bahauddin	Phalia	Qadirabad QH	Thathi Shah Muhammad PC	Kapur Kot	715.40	0.0664	1	357.702	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Khewa Mohabatpur PC	Chak Dwarka	716.63	0.0665	1	358.313	1
Mandi Bahauddin	Malakwal	Malikwal QH	Mona PC	Chak No 010	722.74	0.0671	1	361.370	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Thatha Hast PC	Nurpur	733.75	0.0681	1	366.873	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Ghanian PC	Burj Ghanian	756.98	0.0703	1	378.491	1
Mandi Bahauddin	Phalia	Qadirabad QH	Jago Kalan PC	Thatha Khan Muhammad	775.33	0.0720	1	387.663	1
Mandi Bahauddin	Phalia	Bherowal QH	Waryam PC	Thakkar Miana	781.44	0.0725	1	390.720	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Dharekan Kalan PC	Kotla Munawar Shah	783.89	0.0728	1	391.943	1
Mandi Bahauddin	Malakwal	Bosal QH	Gohar PC	Chak No 017	786.33	0.0730	1	393.166	1
Mandi Bahauddin	Phalia	Bherowal QH	Musa Khurd PC	Walayatewala	794.89	0.0738	1	397.446	1
Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Kotla Mahmood Shah	832.80	0.0773	1	416.401	1

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Mandi Bahauddin	Malakwal	Malikwal QH	Khatiala Khurd PC	Chak No 006	852.37	0.0791	1	426.185	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Ghanian PC	Thathi Murid	882.94	0.0820	1	441.471	1
Mandi Bahauddin	Phalia	Qadirabad QH	Jago Kalan PC	Tunpur (Chak Abdullah)	896.39	0.0832	1	448.197	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Hegranwala PC	Chikorah	917.18	0.0851	1	458.592	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Nawan Lok PC	Mir Khani	919.63	0.0854	1	459.815	1
Mandi Bahauddin	Phalia	Bherowal QH	Chak No 44 PC	Baryar	924.52	0.0858	1	462.261	1
Mandi Bahauddin	Phalia	Jokalian QH	Thatha Alia PC	Chhanni Mehram	956.32	0.0888	1	478.158	1
Mandi Bahauddin	Phalia	Qadirabad QH	Farkhpur Nau PC	Farkhpur Nau	979.55	0.0909	1	489.776	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Kotli Qazi PC	Qila Sardar Attar Singh	1000.34	0.0929	1	500.171	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bumbli PC	Chhanni Sydan	1004.01	0.0932	1	502.005	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Bansi Kalan	1012.57	0.0940	1	506.285	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Pindi Rawan PC	Chak No 050	1037.03	0.0963	1	518.514	1
Mandi Bahauddin	Malakwal	Malikwal QH	Mona PC	Chak No 052	1040.70	0.0966	1	520.349	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Har Do Bohat PC	Rakh Bohat	1046.81	0.0972	1	523.406	1
Mandi Bahauddin	Malakwal	Malikwal QH	Bahuwal PC	Chak No 018	1073.72	0.0997	1	536.858	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Katowal	1078.61	0.1001	1	539.304	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Thatha Hast PC	Loha Tibba	1083.50	0.1006	1	541.750	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Dhok Kasib PC	Tibbi Malowal	1085.95	0.1008	1	542.973	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Mano PC	Ado Sarwani	1085.95	0.1008	1	542.973	1
Mandi Bahauddin	Phalia	Phalia-I QH	Kot Rahmshah PC	Mat Mal	1093.28	0.1015	1	546.641	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chak Basawa PC	Chak No 037	1096.95	0.1018	1	548.476	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Helan PC	Kot Multanian Wala	1134.86	0.1054	1	567.431	1

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Mandi Bahauddin	Phalia	Phalia-Ii QH	Randiali PC	Mureed	1144.65	0.1063	1	572.323	1
Mandi Bahauddin	Phalia	Qadirabad QH	Qadirabad PC	Qadir Abad	1147.09	0.1065	1	573.545	1
Mandi Bahauddin	Mandi Bahauddin	Mandi Bahauddin QH	Chak No 02 PC	Rakh Sardar Gur Mukh Sin	1178.89	0.1094	1	589.443	1
Mandi Bahauddin	Phalia	Phalia-I QH	Ledhar PC	Thathi Bawa	1180.11	0.1096	1	590.055	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Ahla PC	Bir Pindi Jharana	1182.56	0.1098	1	591.278	1
Mandi Bahauddin	Phalia	Qadirabad QH	Ghoganwali PC	Chak Mian	1187.45	0.1102	1	593.723	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Gajjan PC	Kot Nabi Shah	1200.90	0.1115	1	600.450	1
Mandi Bahauddin	Phalia	Qadirabad QH	Thathi Shah Muhammad PC	Naushera	1200.90	0.1115	1	600.450	1
Mandi Bahauddin	Phalia	Jokalian QH	Dhabula PC	Manga	1207.01	0.1121	1	603.507	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Gajjan PC	Kot Hamid Shah	1208.24	0.1122	1	604.118	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jayya PC	Chak No 012	1210.68	0.1124	1	605.341	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Jayya PC	Dolwal	1213.13	0.1126	1	606.564	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bumbli PC	Chak Lakhia	1224.13	0.1136	1	612.067	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Mojianwali PC	Chak Mamuri	1229.03	0.1141	1	614.513	1
Mandi Bahauddin	Phalia	Phalia-I QH	Kot Rahmshah PC	Chak Dala	1241.26	0.1152	1	620.628	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Mano PC	Kot Ghulam Rasul	1242.48	0.1153	1	621.239	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khutala Sheikhan PC	Chak No 039	1258.38	0.1168	1	629.188	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khutala Sheikhan PC	Chak No 041	1260.82	0.1170	1	630.411	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Haslanwala PC	Charanwala	1266.94	0.1176	1	633.468	1
Mandi Bahauddin	Malakwal	Bosal QH	Khai PC	Chak No 032	1268.16	0.1177	1	634.080	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Gunian PC	Isar	1296.29	0.1203	1	648.143	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Kadhar PC	Chhanni Rahim Shah	1296.29	0.1203	1	648.143	1

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Mandi Bahauddin	Phalia	Jokalian QH	Kamoke PC	Kamoke	1306.07	0.1212	1	653.035	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jiwan PC	Rasulpur	1308.52	0.1215	1	654.258	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Thatha Hast PC	Thatha Amir	1308.52	0.1215	1	654.258	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Balhar	1313.41	0.1219	1	656.703	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khamb Khurd PC	Anhe	1330.53	0.1235	1	665.264	1
Mandi Bahauddin	Phalia	Bherowal QH	Bhuta Kohana PC	Burj Bakht	1340.31	0.1244	1	670.155	1
Mandi Bahauddin	Phalia	Qadirabad QH	Burj Aggar PC	Gahre	1341.53	0.1245	1	670.767	1
Mandi Bahauddin	Phalia	Jokalian QH	Kamoke PC	Ratti Pindi	1345.20	0.1249	1	672.601	1
Mandi Bahauddin	Phalia	Jokalian QH	Chak Mitha PC	Kot Pejo	1358.65	0.1261	1	679.327	1
Mandi Bahauddin	Phalia	Phalia-I QH	Pindi Lala PC	Pindi Noora	1368.44	0.1270	1	684.219	1
Mandi Bahauddin	Malakwal	Malikwal QH	Khatiala Khurd PC	Chak No 008	1389.23	0.1290	1	694.614	1
Mandi Bahauddin	Phalia	Bherowal QH	Khamb Kalan PC	Basti Makhdoom	1391.67	0.1292	1	695.837	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jano Kalan PC	Chhanni Mast	1410.02	0.1309	1	705.008	1
Mandi Bahauddin	Phalia	Qadirabad QH	Burj Aggar PC	Bhook	1413.69	0.1312	1	706.843	1
Mandi Bahauddin	Phalia	Qadirabad QH	Farkhpur Nau PC	Bhutta Nau	1417.35	0.1316	1	708.677	1
Mandi Bahauddin	Phalia	Bherowal QH	Chak No 44 PC	Chak Alam	1435.70	0.1333	1	717.849	1
Mandi Bahauddin	Malakwal	Malikwal QH	Haria PC	Chhawind	1444.26	0.1341	1	722.129	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sahna PC	Chak No 004	1445.48	0.1342	1	722.741	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Aki PC	Chak No 015	1451.60	0.1348	1	725.798	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Diluana PC	Kakowal	1462.60	0.1358	1	731.301	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Helan PC	Bhindar Kalan	1474.83	0.1369	1	737.416	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Lasuri Kalan PC	Lasuri Khurd	1476.05	0.1370	1	738.027	1

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Mandi Bahauddin	Malakwal	Miana Gondal QH	Gunian PC	Chak No 047	1482.17	0.1376	1	741.084	1
Mandi Bahauddin	Phalia	Jokalian QH	Pindi Kalu PC	Jonoke	1500.51	0.1393	1	750.256	1
Mandi Bahauddin	Phalia	Qadirabad QH	Bhoia Hassan PC	Mattu	1517.63	0.1409	1	758.817	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Dafar PC	Jarah	1540.87	0.1430	1	770.434	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Thatha Hast PC	Thatha Hast	1542.09	0.1432	1	771.046	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Takhat Mal PC	Chatke	1561.66	0.1450	1	780.829	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Takhat Mal PC	Dade	1564.10	0.1452	1	782.052	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Paharian Wali PC	Ghagoke	1586.12	0.1472	1	793.058	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Bahri PC	Ratto	1591.01	0.1477	1	795.504	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Helan PC	Kot Sattar	1597.12	0.1483	1	798.561	1
Mandi Bahauddin	Phalia	Bherowal QH	Musa Khurd PC	Chot Khurd	1608.13	0.1493	1	804.064	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Paharian Wali PC	Bhindar Khurd	1610.57	0.1495	1	805.287	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Diluana PC	Chak No 011	1620.36	0.1504	1	810.179	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rakh Meenar Garh PC	Kot Islam	1624.03	0.1508	1	812.013	1
Mandi Bahauddin	Phalia	Jokalian QH	Dhabula PC	Bahoo	1626.47	0.1510	1	813.236	1
Mandi Bahauddin	Phalia	Jokalian QH	Dhabula PC	Dhabula	1630.14	0.1513	1	815.070	1
Mandi Bahauddin	Malakwal	Malikwal QH	Bahuwal PC	Chak No 022	1632.59	0.1516	1	816.293	1
Mandi Bahauddin	Phalia	Jokalian QH	Ranmal PC	Sahnpal	1652.15	0.1534	1	826.077	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Mano PC	Sheikh Alipur	1654.60	0.1536	1	827.300	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Ahla PC	Kot Jharana	1658.27	0.1539	1	829.134	1
Mandi Bahauddin	Phalia	Qadirabad QH	Farkhpur Nau PC	Farkhpur Kohna	1660.71	0.1542	1	830.357	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Phaphrah	1665.61	0.1546	1	832.803	1

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Mandi Bahauddin	Phalia	Qadirabad QH	Ghoganwali PC	Chhani Gahna	1669.27	0.1550	1	834.637	1
Mandi Bahauddin	Phalia	Bherowal QH	Bhuta Kohana PC	Thathi Marlan	1690.06	0.1569	1	845.032	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Nain PC	Jhang	1696.18	0.1575	1	848.089	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sohawa Diluana PC	Tibbi Daryani	1698.62	0.1577	1	849.312	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Rasul PC	Dhepai	1702.29	0.1580	1	851.146	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Nurpur Piran	1715.74	0.1593	1	857.872	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Randiali PC	Chak Kamal	1719.41	0.1596	1	859.707	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Noor Jamal PC	Noor Jamal	1723.08	0.1600	1	861.541	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Dafar PC	Chak No 025	1724.31	0.1601	1	862.153	1
Mandi Bahauddin	Phalia	Qadirabad QH	Bhoia Hassan PC	Saddique Abad	1734.09	0.1610	1	867.044	1
Mandi Bahauddin	Phalia	Jokalian QH	Kamoke PC	Chahar Ke	1745.09	0.1620	1	872.547	1
Mandi Bahauddin	Malakwal	Miana Gondal QH	Chak No 026 PC	Chak No 027	1747.54	0.1622	1	873.770	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Pandowal Pain PC	Kotli Misnani	1747.54	0.1622	1	873.770	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Rajoa PC	Hegar Khurd	1767.11	0.1640	1	883.553	1
Mandi Bahauddin	Malakwal	Malikwal QH	Nurpur Piran PC	Bhagowal	1797.68	0.1669	1	898.840	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Kotli Qazi PC	Do Burji	1817.25	0.1687	1	908.623	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Rajoa PC	Kotli Khurd	1825.81	0.1695	1	912.903	1
Mandi Bahauddin	Phalia	Paharian Wali QH	Chak Jiwan PC	Jhanda Chohan	1828.25	0.1697	1	914.126	1
Mandi Bahauddin	Phalia	Jokalian QH	Kamoke PC	Dudhrai	1833.14	0.1702	1	916.572	1
Mandi Bahauddin	Phalia	Jokalian QH	Bhagat PC	Bhagat	1839.26	0.1707	1	919.629	1
Mandi Bahauddin	Phalia	Bherowal QH	Musa Khurd PC	Chot Kalan	1853.93	0.1721	1	926.967	1
Mandi Bahauddin	Malakwal	Malikwal QH	Chak No 20 PC	Mal	1857.60	0.1724	1	928.801	1

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Mandi Bahauddin	Malakwal	Miana Gondal QH	Sandah PC	Chak No 049	1860.05	0.1727	1	930.024	1
Mandi Bahauddin	Mandi Bahauddin	Chelian Wali QH	Kot Biloch PC	Sammunpur	1864.94	0.1731	1	932.470	1
Mandi Bahauddin	Malakwal	Malikwal QH	Badshahpur PC	Chak Daddan	1877.17	0.1743	1	938.585	1
Mandi Bahauddin	Malakwal	Malikwal QH	Bahuwal PC	Chak No 019	1884.51	0.1749	1	942.253	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Gajjan PC	Gajjan	1918.75	0.1781	1	959.374	1
Mandi Bahauddin	Phalia	Phalia-Ii QH	Randiali PC	Randiali	1922.42	0.1785	1	961.208	1
Mandi Bahauddin	Phalia	Qadirabad QH	Bhoia Hassan PC	Mehlu Nau	1934.65	0.1796	1	967.323	1
Mandi Bahauddin	Mandi Bahauddin	Khutala Sheikhan QH	Khamb Khurd PC	Kakka	1940.76	0.1802	1	970.380	1
Mandi Bahauddin	Mandi Bahauddin	Sohawa QH	Sahna PC	Chak No 005	1979.89	0.1838	1	989.947	1
Mandi Bahauddin	Phalia	Qadirabad QH	Dhuni Khurd PC	Dhala	1984.79	0.1843	1	992.393	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Dhamthal	15213.84	2.8247	3	7606.922	4
Narowal	Narowal	Talwandi Bhind Ran QH	Talwandi Bhindran PC	Talwandi Bhindran	14012.01	2.6016	3	7006.004	4
Narowal	Shakargarh	Kanjror QH	Kanjror PC	Kanjror	11453.66	2.1266	2	5726.828	3
Narowal	Zafarwal	Dham Thal QH	Tapiala PC	Tapiala	10751.46	1.9962	2	5375.730	3
Narowal	Shakargarh	Bara Manga QH	Bara Manga PC	Bara Manga	9119.96	1.2700	1	4559.979	2
Narowal	Shakargarh	Masroor QH	Chhamal No 2 PC	Shah Pur Bhango	8361.29	1.1643	1	4180.646	2
Narowal	Narowal	Rayya QH	Bathan Wala PC	Bathan Wala	7633.32	1.0629	1	3816.658	2
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Mangeri	7536.33	1.0494	1	3768.167	2
Narowal	Narowal	Narowal Ii QH	Jajanwala PC	Ghazi Wal	7360.78	1.0250	1	3680.392	2
Narowal	Zafarwal	Lesar Kalan QH	Darman No 1 PC	Darman	7106.67	0.9896	1	3553.334	2
Narowal	Narowal	Talwandi Bhind Ran QH	Halowal PC	Halowal	7010.91	0.9763	1	3505.457	2
Narowal	Narowal	Rayya QH	Derian Wala PC	Derian Wala	6974.09	0.9711	1	3487.043	2
Narowal	Narowal	Narowal I QH	Jassar-I PC	Jassar	6933.57	0.9655	1	3466.787	2
Narowal	Narowal	Ghota Fateh Garh QH	Manak PC	Manak	6571.43	0.9151	1	3285.714	2
Narowal	Zafarwal	Lesar Kalan QH	Ghamrula No 1 PC	Ghamrula	6397.11	0.8908	1	3198.553	2

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Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No I PC	Dhali	6324.68	0.8807	1	3162.338	2
Narowal	Narowal	Narowal I QH	Alya Abad PC	Alya Abad	6302.58	0.8776	1	3151.290	2
Narowal	Narowal	Narowal I QH	Narowal PC	Narowal (Rural)	6241.20	0.8691	1	3120.599	2
Narowal	Zafarwal	Lesar Kalan QH	Ghamrula No 2 PC	Jarpal	4952.20	0.4597	1	2476.101	2
Narowal	Shakargarh	Kanjror QH	Langah PC	Langah	4923.97	0.4571	1	2461.984	2
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Booa	4861.36	0.4513	1	2430.679	2
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Sapan Wal	4807.34	0.4463	1	2403.672	2
Narowal	Narowal	Narowal Ii QH	Bola Bajwah PC	Bola Bajwah	4802.43	0.4458	1	2401.217	2
Narowal	Narowal	Narowal I QH	Ransiwal No 1 PC	Ransiwal	4799.98	0.4456	1	2399.989	2
Narowal	Shakargarh	Kanjror QH	Doodh PC	Doodh	4737.37	0.4398	1	2368.685	2
Narowal	Narowal	Ghota Fateh Garh QH	Pejowali PC	Aurad Afghanan	4624.43	0.4293	1	2312.214	2
Narowal	Narowal	Rayya QH	Mahais PC	Mahais	4447.65	0.4129	1	2223.826	2
Narowal	Shakargarh	Masroor QH	Chhala PC	Chhala	4436.60	0.4119	1	2218.302	2
Narowal	Shakargarh	Masroor QH	Masroor No 1 PC	Masroor	4310.16	0.4001	1	2155.080	2
Narowal	Shakargarh	Dudhu Chak QH	Tola PC	Tola	4209.49	0.3908	1	2104.747	2
Narowal	Shakargarh	Shakargarh I QH	Anto Wali PC	Karraj	4161.62	0.3863	1	2080.809	2
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Malha	4111.29	0.3817	1	2055.643	2
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Dailra	4056.04	0.3765	1	2028.021	2
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Majoke Darap	4004.48	0.3718	1	2002.241	2
Narowal	Shakargarh	Dudhu Chak QH	Sahari PC	Ghona	3967.65	0.3683	1	1983.827	2
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No I PC	Dudhu Chak	3946.78	0.3664	1	1973.392	2
Narowal	Shakargarh	Kot Nainan QH	Bheri Khurd I PC	Bheri Khurd	3945.56	0.3663	1	1972.779	2
Narowal	Zafarwal	Zafarwal QH	Uncha Kalan PC	Uncha Kalan	3932.05	0.3650	1	1966.027	2
Narowal	Shakargarh	Dudhu Chak QH	Sahari PC	Sahari	3900.14	0.3621	1	1950.068	2
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Rajian	3900.14	0.3621	1	1950.068	2
Narowal	Shakargarh	Masroor QH	Sukho Chak PC	Sukho Chak	3864.53	0.3588	1	1932.267	2
Narowal	Shakargarh	Bara Manga QH	Fathepur Afghanan PC	Fatehpur Afghanan	3852.26	0.3576	1	1926.129	2

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Narowal	Shakargarh	Kot Nainan QH	Chak Aiser Bhopa(Chak Ameer)PC	(Chak Aiser Bhopa)Chak A	3846.12	0.3570	1	1923.060	2
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Sangial	3808.06	0.3535	1	1904.032	2
Narowal	Shakargarh	Shakargarh I QH	Chatrana I PC	Chatrana	3800.70	0.3528	1	1900.349	2
Narowal	Shakargarh	Kot Nainan QH	Bheri Khurd I PC	Tarpaee	3785.97	0.3515	1	1892.984	2
Narowal	Narowal	Narowal I QH	Mahar PC	Mahar	3768.78	0.3499	1	1884.390	2
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind Ii PC	Mohlan	3735.64	0.3468	1	1867.818	2
Narowal	Shakargarh	Shakargarh I QH	Khanowal PC	Khanowal	3733.18	0.3466	1	1866.590	2
Narowal	Narowal	Ahmed Abad QH	Lala PC	Chedah	3717.22	0.3451	1	1858.610	2
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Lesar Kalan	3706.17	0.3441	1	1853.086	2
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Riba Kalan	3659.52	0.3397	1	1829.761	2
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind Ii PC	Pindi Purbian	3657.07	0.3395	1	1828.534	2
Narowal	Zafarwal	Lesar Kalan QH	Darman No 2 PC	Bari Manhasan	3655.84	0.3394	1	1827.920	2
Narowal	Narowal	Ahmed Abad QH	Ahulal PC	Ahulal	3654.61	0.3393	1	1827.306	2
Narowal	Shakargarh	Masroor QH	Baga PC	Baga	3652.16	0.3390	1	1826.079	2
Narowal	Shakargarh	Shakargarh I QH	Shakargarh PC	Amrial	3529.40	0.3276	1	1764.698	2
Narowal	Zafarwal	Lesar Kalan QH	Ghamrula No 2 PC	Lagwal	3503.62	0.3253	1	1751.808	2
Narowal	Shakargarh	Shakargarh I QH	Khanowal PC	Hanso Wala	3441.01	0.3194	1	1720.504	2
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Kulah	3436.10	0.3190	1	1718.048	2
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Phulwari	3429.96	0.3184	1	1714.979	2
Narowal	Shakargarh	Masroor QH	Chhamal No 1 PC	Chhamal	3409.09	0.3165	1	1704.545	2
Narowal	Narowal	Narowal Ii QH	Bola Bajwah PC	Dhahiala	3385.76	0.3143	1	1692.882	2
Narowal	Shakargarh	Shakargarh Ii QH	Khanna No I PC	Khanna	3359.98	0.3119	1	1679.992	2
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Walike	3334.20	0.3095	1	1667.102	2
Narowal	Zafarwal	Dham Thal QH	Budha Pind PC	Budha Pind	3332.98	0.3094	1	1666.489	2
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No I PC	Bhaitian	3314.56	0.3077	1	1657.281	2
Narowal	Zafarwal	Lesar Kalan QH	Darman No 2 PC	Hamral	3312.11	0.3075	1	1656.054	2

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Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Dosri	3277.73	0.3043	1	1638.867	2
Narowal	Narowal	Ahmed Abad QH	Rayya Gorayah PC	Rayya Gorahyah	3244.59	0.3012	1	1622.294	2
Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No Ii PC	Galah Maharan	3237.22	0.3005	1	1618.611	2
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Bajar	3227.40	0.2996	1	1613.701	2
Narowal	Shakargarh	Shakargarh Ii QH	Khanna No I PC	Shah Pur Janjora	3188.12	0.2960	1	1594.059	2
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind I PC	Jajial	3164.79	0.2938	1	1582.397	2
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Chakri	3131.65	0.2907	1	1565.824	2
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Pindi Sainan	3107.10	0.2884	1	1553.548	2
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Budha Dhola	3085.00	0.2864	1	1542.499	2
Narowal	Shakargarh	Shakargarh Ii QH	Bhati Afghana PC	Goryal	3076.41	0.2856	1	1538.203	2
Narowal	Narowal	Narowal I QH	Kotli Bajwa PC	Bharowal	9.82	0.0009	1	4.910	1
Narowal	Narowal	Rayya QH	Bhenian PC	Sorai	9.82	0.0009	1	4.910	1
Narowal	Shakargarh	Masroor QH	Jalala PC	Bala Gojran	9.82	0.0009	1	4.910	1
Narowal	Shakargarh	Kanjror QH	Rora PC	Rora	9.82	0.0009	1	4.910	1
Narowal	Shakargarh	Bara Manga QH	Chhani Teka PC	Takht Pur	9.82	0.0009	1	4.910	1
Narowal	Shakargarh	Kanjror QH	Rora PC	Aloke	11.05	0.0010	1	5.524	1
Narowal	Shakargarh	Kanjror QH	Gujar Toor PC	Gujar Toor	11.05	0.0010	1	5.524	1
Narowal	Shakargarh	Kanjror QH	Kot Bhatta PC	Miadi Shera	11.05	0.0010	1	5.524	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Shankar Pur	11.05	0.0010	1	5.524	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Chak Shaman	12.28	0.0011	1	6.138	1
Narowal	Shakargarh	Kanjror QH	Gol PC	Jahror	13.50	0.0013	1	6.752	1
Narowal	Shakargarh	Kanjror QH	Kot Bhatta PC	Sindho	13.50	0.0013	1	6.752	1
Narowal	Narowal	Rayya QH	Bathan Wala PC	Kot Shah	14.73	0.0014	1	7.366	1
Narowal	Shakargarh	Kanjror QH	Kot Bhatta PC	Jalo Nangal	17.19	0.0016	1	8.593	1
Narowal	Narowal	Rayya QH	Badhai Chima PC	Badhai Chima	18.41	0.0017	1	9.207	1
Narowal	Shakargarh	Masroor QH	Gopal Pur PC	Ramwal	18.41	0.0017	1	9.207	1
Narowal	Narowal	Narowal I QH	Mahar PC	Lale Wali	22.10	0.0021	1	11.049	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Shakargarh	Kanjror QH	Ada PC	Ada	22.10	0.0021	1	11.049	1
Narowal	Zafarwal	Dham Thal QH	Nonar PC	Mehga Nagra	22.10	0.0021	1	11.049	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 1 PC	Chhani Narotam	23.32	0.0022	1	11.662	1
Narowal	Shakargarh	Bara Manga QH	Chhani Teka PC	Khasa Wadala	25.78	0.0024	1	12.890	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar Ii PC	Adhwal	27.01	0.0025	1	13.504	1
Narowal	Narowal	Rayya QH	Badhai Chima PC	Shah Pur	28.24	0.0026	1	14.118	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Kolo Dev	29.46	0.0027	1	14.731	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Badwal	30.69	0.0028	1	15.345	1
Narowal	Zafarwal	Zafarwal QH	Baja Pur PC	Said Nihal	30.69	0.0028	1	15.345	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Bet PC	Feroze Ke	31.92	0.0030	1	15.959	1
Narowal	Narowal	Ghota Fateh Garh QH	Wiroke Bet PC	Sangrah	33.15	0.0031	1	16.573	1
Narowal	Shakargarh	Bara Manga QH	Chhani Teka PC	Chhani Teka	33.15	0.0031	1	16.573	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Galhar	35.60	0.0033	1	17.800	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 2 PC	Din Panah	38.06	0.0035	1	19.028	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No I PC	Ratan Garh	40.51	0.0038	1	20.256	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Bet PC	Kotla Hassan Shah	42.97	0.0040	1	21.483	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Manjitor (Rasoorpur Bind	46.65	0.0043	1	23.325	1
Narowal	Narowal	Rayya QH	Daiwala Malahan PC	Dalmuewala Rajpootan	52.79	0.0049	1	26.394	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Zanburai	52.79	0.0049	1	26.394	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Khotri Kalan	54.02	0.0050	1	27.008	1
Narowal	Narowal	Rayya QH	Agarian PC	Dhanawali	55.24	0.0051	1	27.621	1
Narowal	Zafarwal	Dham Thal QH	Ainowali PC	Chain Nagar	57.70	0.0054	1	28.849	1
Narowal	Shakargarh	Kot Nainan QH	Dhadwal PC	Haji Pur Gojran	60.15	0.0056	1	30.077	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Chak Kotli Ramdas	67.52	0.0063	1	33.759	1
Narowal	Narowal	Narowal I QH	Kake Ke PC	Saine Ke	72.43	0.0067	1	36.215	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar Ii PC	Chak Bhago	73.66	0.0068	1	36.828	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Chak Ratian	94.53	0.0088	1	47.263	1

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Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Anga	98.21	0.0091	1	49.105	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Aima Sayadan	105.57	0.0098	1	52.787	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Chak Shahzada	105.57	0.0098	1	52.787	1
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Mahal Arazi	109.26	0.0101	1	54.629	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 2 PC	Zakarya	114.17	0.0106	1	57.084	1
Narowal	Narowal	Ghota Fateh Garh QH	Khan Khasah PC	Lalar	115.40	0.0107	1	57.698	1
Narowal	Zafarwal	Lesar Kalan QH	Darman No 2 PC	Pindori Wiran	115.40	0.0107	1	57.698	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 2 PC	Wirk Weeran	116.62	0.0108	1	58.312	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Nowade	117.85	0.0109	1	58.926	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Baqar Pur	121.53	0.0113	1	60.767	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Mehri Pur	130.13	0.0121	1	65.064	1
Narowal	Narowal	Ghota Fateh Garh QH	Wiroke Bet PC	Kotli Mansabdar	133.81	0.0124	1	66.905	1
Narowal	Shakargarh	Bara Manga QH	Jar Mian Sagnan PC	Jarmian Mala Singh	136.27	0.0127	1	68.133	1
Narowal	Narowal	Rayya QH	Agarian PC	Ali Pur	137.49	0.0128	1	68.746	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Farid Pur	138.72	0.0129	1	69.360	1
Narowal	Shakargarh	Bara Manga QH	Walipur Bura PC	Mana Khera	148.54	0.0138	1	74.271	1
Narowal	Narowal	Narowal Ii QH	Chandarke Rajpootan PC	Budhan	152.22	0.0141	1	76.112	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Payal Khurd	154.68	0.0144	1	77.340	1
Narowal	Narowal	Rayya QH	Mahais PC	Saingrah	157.13	0.0146	1	78.567	1
Narowal	Shakargarh	Kot Nainan QH	Jogial PC	Sheikho Pur Malahan	159.59	0.0148	1	79.795	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No I PC	Fatowali	160.82	0.0149	1	80.409	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No Ii PC	Takhtial	163.27	0.0152	1	81.636	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Kot Baba Singh	163.27	0.0152	1	81.636	1
Narowal	Shakargarh	Masroor QH	Gopal Pur PC	Salu Bhainc	164.50	0.0153	1	82.250	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Mirpur Jagian	171.87	0.0160	1	85.933	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Fateh Pur Gahotran	171.87	0.0160	1	85.933	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Gul	178.00	0.0165	1	89.002	1

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Narowal	Shakargarh	Kanjror QH	Weeram PC	Khanwali	182.91	0.0170	1	91.457	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Autar	190.28	0.0177	1	95.140	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Aima Sheikhan	197.65	0.0183	1	98.823	1
Narowal	Shakargarh	Kanjror QH	Man Pur PC	Shahzada	201.33	0.0187	1	100.664	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Chak Kotla Kahlwan	202.56	0.0188	1	101.278	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Masial	213.61	0.0198	1	106.803	1
Narowal	Shakargarh	Kanjror QH	Gol PC	Balaki Chak	214.83	0.0199	1	107.416	1
Narowal	Narowal	Ahmed Abad QH	Domalah PC	Sato Bajwah	216.06	0.0201	1	108.030	1
Narowal	Shakargarh	Masroor QH	Gharuta PC	Jhangla	216.06	0.0201	1	108.030	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Jhanda	217.29	0.0202	1	108.644	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Kotli Kanungoi	224.65	0.0209	1	112.327	1
Narowal	Narowal	Ahmed Abad QH	Ahmedabad PC	Tatke	225.88	0.0210	1	112.941	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 1 PC	Chak Gajan	225.88	0.0210	1	112.941	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Kotli Gogiani	227.11	0.0211	1	113.554	1
Narowal	Shakargarh	Kanjror QH	Man Pur PC	Mata	227.11	0.0211	1	113.554	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 2 PC	Naro Rayya	234.47	0.0218	1	117.237	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Chando Wal	244.30	0.0227	1	122.148	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Maghral	252.89	0.0235	1	126.444	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Chhani Bahadar Sing	259.03	0.0240	1	129.513	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar I PC	Sargala	261.48	0.0243	1	130.741	1
Narowal	Shakargarh	Kot Nainan QH	Jogial PC	Darya Gojran	266.39	0.0247	1	133.196	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Chak Popu	268.85	0.0250	1	134.424	1
Narowal	Shakargarh	Kot Nainan QH	Chak Aiser Bhopa(Chak Ameer)PC	Khadial	270.08	0.0251	1	135.038	1
Narowal	Shakargarh	Bara Manga QH	Jar Mian Sagnan PC	Jarmian Sagnan	273.76	0.0254	1	136.879	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Ratnal	276.21	0.0256	1	138.107	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Jatri Jhanda	281.12	0.0261	1	140.562	1

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Narowal	Shakargarh	Kanjror QH	Jatar PC	Chhina	281.12	0.0261	1	140.562	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Panjo Chohan	281.12	0.0261	1	140.562	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Moga	281.12	0.0261	1	140.562	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 1 PC	Kothra	282.35	0.0262	1	141.176	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 1 PC	Fateh Pur	284.81	0.0264	1	142.403	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Hakla	284.81	0.0264	1	142.403	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 2 PC	Akal Garh	290.94	0.0270	1	145.472	1
Narowal	Shakargarh	Bara Manga QH	Walipur Bura PC	Dhingar	292.17	0.0271	1	146.086	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Pinwan	293.40	0.0272	1	146.700	1
Narowal	Zafarwal	Lesar Kalan QH	Ghamrula No 1 PC	Lohal	293.40	0.0272	1	146.700	1
Narowal	Narowal	Rayya QH	Daiwala Malahan PC	Ferozeke	297.08	0.0276	1	148.542	1
Narowal	Shakargarh	Kanjror QH	Kanjror PC	Kapoor Dev	299.54	0.0278	1	149.769	1
Narowal	Zafarwal	Zafarwal QH	Mararah PC	Majrah	299.54	0.0278	1	149.769	1
Narowal	Narowal	Talwandi Bhind Ran QH	Datewali PC	Odhowali	301.99	0.0280	1	150.997	1
Narowal	Narowal	Ghota Fateh Garh QH	Wiroke Bet PC	Sandrana	303.22	0.0281	1	151.611	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Sandook Pur	303.22	0.0281	1	151.611	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Darapur	303.22	0.0281	1	151.611	1
Narowal	Zafarwal	Lesar Kalan QH	Niki I PC	Pindori Gahotran	303.22	0.0281	1	151.611	1
Narowal	Narowal	Narowal I QH	Mahar PC	Chak Bathinda	305.68	0.0284	1	152.838	1
Narowal	Narowal	Rayya QH	Baryar PC	Chakri	308.13	0.0286	1	154.066	1
Narowal	Shakargarh	Bara Manga QH	Jar Mian Sagnan PC	Jarmian Jhanda	308.13	0.0286	1	154.066	1
Narowal	Zafarwal	Zafarwal QH	Uncha Kalan PC	Chak Khokhar	313.04	0.0291	1	156.521	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Bhabalwali	314.27	0.0292	1	157.135	1
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Sammun Wali	316.72	0.0294	1	158.362	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal Ii PC	Chak Darjo	320.41	0.0297	1	160.204	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Mann	320.41	0.0297	1	160.204	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Bhero Pur	321.64	0.0299	1	160.818	1

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Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Nadwal	321.64	0.0299	1	160.818	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 2 PC	Bhopla Pur Khurd	325.32	0.0302	1	162.659	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Panjwal	326.55	0.0303	1	163.273	1
Narowal	Narowal	Ghota Fateh Garh QH	Wiroke Bet PC	Wiroke Bet	327.77	0.0304	1	163.887	1
Narowal	Shakargarh	Kanjror QH	Madooke PC	Madooke	327.77	0.0304	1	163.887	1
Narowal	Narowal	Talwandi Bhind Ran QH	Dharg Mianah PC	Bahadur Pura	329.00	0.0305	1	164.501	1
Narowal	Narowal	Ahmed Abad QH	Saikhwan PC	Habib Chak	330.23	0.0307	1	165.114	1
Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Dogar Hindu	332.68	0.0309	1	166.342	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Mamke	333.91	0.0310	1	166.956	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Mast Pur	333.91	0.0310	1	166.956	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Chhani	335.14	0.0311	1	167.570	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Chamanan Kalan	336.37	0.0312	1	168.183	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Lale Pur	338.82	0.0315	1	169.411	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Jhomian Khurd	338.82	0.0315	1	169.411	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Diorhi	340.05	0.0316	1	170.025	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Sundar Pur	341.28	0.0317	1	170.639	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Pahari Pur	343.73	0.0319	1	171.866	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Chak Bharayan	344.96	0.0320	1	172.480	1
Narowal	Shakargarh	Kot Nainan QH	Chak Aiser Bhopa(Chak Ameer)PC	Ilyas Pur	349.87	0.0325	1	174.935	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Khatail	349.87	0.0325	1	174.935	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Saleh Pur	352.33	0.0327	1	176.163	1
Narowal	Shakargarh	Kanjror QH	Doodh PC	Chak Manik	353.55	0.0328	1	176.777	1
Narowal	Shakargarh	Kot Nainan QH	Dhadwal PC	Heer	353.55	0.0328	1	176.777	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Bhao Barhamnan	354.78	0.0329	1	177.390	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Mada Kotli	356.01	0.0330	1	178.004	1

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Narowal	Shakargarh	Masroor QH	Jalala PC	Bheronchak Jattan	358.46	0.0333	1	179.232	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Chhohal	358.46	0.0333	1	179.232	1
Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Kot Solakhan	359.69	0.0334	1	179.846	1
Narowal	Narowal	Rayya QH	Agarian PC	Rakh Jeewan Goraya	360.92	0.0335	1	180.460	1
Narowal	Narowal	Rayya QH	Mahais PC	Sharif Pur	363.37	0.0337	1	181.687	1
Narowal	Shakargarh	Shakargarh Ii QH	Bhati Afghana PC	Ghial	363.37	0.0337	1	181.687	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Bhagwal	364.60	0.0338	1	182.301	1
Narowal	Shakargarh	Kanjror QH	Bistan No 1 PC	Qataruwal	365.83	0.0340	1	182.915	1
Narowal	Zafarwal	Zafarwal QH	Baja Pur PC	Bhandial	365.83	0.0340	1	182.915	1
Narowal	Shakargarh	Masroor QH	Jalala PC	Chanial	367.06	0.0341	1	183.529	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 1 PC	Khair Ullah Pur	375.65	0.0349	1	187.825	1
Narowal	Shakargarh	Bara Manga QH	Dalanangal PC	Punwan Khokhar	376.88	0.0350	1	188.439	1
Narowal	Narowal	Narowal Ii QH	Sademade PC	Mandi	380.56	0.0353	1	190.280	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Chhango	383.02	0.0356	1	191.508	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Sogain	383.02	0.0356	1	191.508	1
Narowal	Shakargarh	Bara Manga QH	Walipur Bura PC	Sahad Khera	384.24	0.0357	1	192.122	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Ladhar Becharag	386.70	0.0359	1	193.349	1
Narowal	Shakargarh	Kanjror QH	Man Pur PC	Ghaka Kotli	386.70	0.0359	1	193.349	1
Narowal	Shakargarh	Bara Manga QH	Dalanangal PC	Khosa	386.70	0.0359	1	193.349	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Hilan	387.93	0.0360	1	193.963	1
Narowal	Narowal	Narowal I QH	Jassar-Ii PC	Nangli	392.84	0.0365	1	196.419	1
Narowal	Shakargarh	Kot Nainan QH	Bakarwal PC	Kotlisianyan	392.84	0.0365	1	196.419	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 2 PC	Nat	394.06	0.0366	1	197.032	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Sham Pur	396.52	0.0368	1	198.260	1
Narowal	Zafarwal	Lesar Kalan QH	Darman No 2 PC	Mankohian	397.75	0.0369	1	198.874	1
Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No Ii PC	Bhogai Nagar	401.43	0.0373	1	200.715	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Chhawarian	405.11	0.0376	1	202.557	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Saido Dera	405.11	0.0376	1	202.557	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Tarkhanawali	414.93	0.0385	1	207.467	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Thikaryan Khurd	416.16	0.0386	1	208.081	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 1 PC	Sonti	419.84	0.0390	1	209.922	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Musa Pur Barhamnan	421.07	0.0391	1	210.536	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Chak Kaka Zaiyan	423.53	0.0393	1	211.764	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Mandahir	423.53	0.0393	1	211.764	1
Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No Ii PC	Pohla	424.76	0.0394	1	212.378	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Zaid Pur	424.76	0.0394	1	212.378	1
Narowal	Zafarwal	Zafarwal QH	Jandyala PC	Bhartal Weeran	424.76	0.0394	1	212.378	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Hari Chand Pura	425.98	0.0395	1	212.991	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Katho Wali	425.98	0.0395	1	212.991	1
Narowal	Zafarwal	Dham Thal QH	Budha Pind PC	Bilo Wali	427.21	0.0397	1	213.605	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Kheprala	429.67	0.0399	1	214.833	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No Ii PC	Jasti Wala Billah	430.89	0.0400	1	215.447	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 1 PC	Jeneke	432.12	0.0401	1	216.060	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Kotli Jeewa	432.12	0.0401	1	216.060	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Chhanga	433.35	0.0402	1	216.674	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 2 PC	Saho Bhalo	435.80	0.0405	1	217.902	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Madhu Pur	440.71	0.0409	1	220.357	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Sahswan	440.71	0.0409	1	220.357	1
Narowal	Shakargarh	Kanjror QH	Kanjror PC	Pera Becharagh	441.94	0.0410	1	220.971	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Bakhe Pur (Nanja Pur)	446.85	0.0415	1	223.426	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Basike Khurd	446.85	0.0415	1	223.426	1
Narowal	Narowal	Talwandi Bhind Ran QH	Khakhah PC	Wanjal	448.08	0.0416	1	224.040	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Lakra	455.45	0.0423	1	227.723	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Mamiwal	460.36	0.0427	1	230.178	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No I PC	Bhular Lohar	461.58	0.0429	1	230.792	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar Ii PC	Chak Nehala	461.58	0.0429	1	230.792	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Sohal	464.04	0.0431	1	232.019	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No 1 PC	Khan Pur Salehrian	465.27	0.0432	1	232.633	1
Narowal	Shakargarh	Kot Nainan QH	Lalian PC	Chak Atla	466.49	0.0433	1	233.247	1
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Attowali	466.49	0.0433	1	233.247	1
Narowal	Shakargarh	Masroor QH	Masroor No 2 PC	Baharwal	467.72	0.0434	1	233.861	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Naro	468.95	0.0435	1	234.475	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Budha Nanwan	471.40	0.0438	1	235.702	1
Narowal	Shakargarh	Kanjror QH	Mandi Khel PC	Kotli Barikhan	471.40	0.0438	1	235.702	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Jagat Pur	473.86	0.0440	1	236.930	1
Narowal	Shakargarh	Kanjror QH	Bistan No 1 PC	Tatarpur	473.86	0.0440	1	236.930	1
Narowal	Narowal	Talwandi Bhind Ran QH	Datewali PC	Mohan Wali	478.77	0.0444	1	239.385	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Warang Khurd	481.23	0.0447	1	240.613	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Pir Kala	483.68	0.0449	1	241.840	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Chhani Teto	484.91	0.0450	1	242.454	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Kotli Chamrang	486.14	0.0451	1	243.068	1
Narowal	Narowal	Narowal I QH	Ransiwal No 2 PC	Qalandar Abad	488.59	0.0454	1	244.296	1
Narowal	Shakargarh	Masroor QH	Gopal Pur PC	Bhat	488.59	0.0454	1	244.296	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Qazi Motla	488.59	0.0454	1	244.296	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Chak Mughal	489.82	0.0455	1	244.909	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Molan Chak	489.82	0.0455	1	244.909	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 1 PC	Rajpura	489.82	0.0455	1	244.909	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadowala Uncha PC	Maan	491.05	0.0456	1	245.523	1
Narowal	Narowal	Ahmed Abad QH	Ahmedabad PC	Sahdanwali	497.18	0.0462	1	248.592	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 1 PC	Chak Dobanni	499.64	0.0464	1	249.820	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Narowal	Narowal Ii QH	Bola Bajwah PC	Chhine	500.87	0.0465	1	250.434	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Jamal Pur	502.09	0.0466	1	251.047	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Musal Mani	503.32	0.0467	1	251.661	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Kot Harsai	505.78	0.0470	1	252.889	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 1 PC	Chanekye	509.46	0.0473	1	254.730	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Said Ullah Pur	509.46	0.0473	1	254.730	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Gaddo Pindi	518.05	0.0481	1	259.027	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Bhoya Khurd	519.28	0.0482	1	259.641	1
Narowal	Zafarwal	Lesar Kalan QH	Niki I PC	Khhoti Gahotran	521.74	0.0484	1	260.868	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar I PC	Dhandar	522.96	0.0485	1	261.482	1
Narowal	Shakargarh	Kanjror QH	Bistan No 1 PC	Mustafa Pur	527.87	0.0490	1	263.937	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Chak Baika	530.33	0.0492	1	265.165	1
Narowal	Narowal	Rayya QH	Derian Wala PC	Sandrana	534.01	0.0496	1	267.006	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Qanun Goi	534.01	0.0496	1	267.006	1
Narowal	Narowal	Rayya QH	Agarian PC	Kot Roldoo	535.24	0.0497	1	267.620	1
Narowal	Zafarwal	Dham Thal QH	Budha Pind PC	Pindori	535.24	0.0497	1	267.620	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 2 PC	Baman	538.92	0.0500	1	269.462	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 2 PC	Agor	540.15	0.0501	1	270.075	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Pindi Bakh Shan	540.15	0.0501	1	270.075	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Bet PC	Randher	541.38	0.0503	1	270.689	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Bahowali	541.38	0.0503	1	270.689	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 2 PC	Ram Dhan Sah	543.83	0.0505	1	271.917	1
Narowal	Narowal	Narowal I QH	Kake Ke PC	Hassan Hussain	546.29	0.0507	1	273.145	1
Narowal	Shakargarh	Masroor QH	Bodla PC	Adoana	546.29	0.0507	1	273.145	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 1 PC	Lehri Kalan	546.29	0.0507	1	273.145	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Lahal	547.52	0.0508	1	273.758	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Samial	549.97	0.0511	1	274.986	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Narowal	Rayya QH	Agarian PC	Panjgaraian	558.57	0.0519	1	279.283	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal Ii PC	Timber Chak	558.57	0.0519	1	279.283	1
Narowal	Narowal	Narowal Ii QH	Gandhala PC	Barwai	562.25	0.0522	1	281.124	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 2 PC	Sair Fateh	563.48	0.0523	1	281.738	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Chhajwal Jattan	563.48	0.0523	1	281.738	1
Narowal	Shakargarh	Kanjror QH	Mandi Khel PC	Dera Afghanan	563.48	0.0523	1	281.738	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Jawahir Pur	563.48	0.0523	1	281.738	1
Narowal	Shakargarh	Kanjror QH	Kanjror PC	Iser Wali	565.93	0.0525	1	282.965	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No.2 PC	Sikandar Pur	565.93	0.0525	1	282.965	1
Narowal	Shakargarh	Dudhu Chak QH	Tola PC	Khanpur Weeran	567.16	0.0527	1	283.579	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Nanowal	567.16	0.0527	1	283.579	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Shahbaz Pur	569.61	0.0529	1	284.807	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Achal Wali	572.07	0.0531	1	286.034	1
Narowal	Narowal	Narowal Ii QH	Mado Kahlwan PC	Klair	573.30	0.0532	1	286.648	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Hasain Pur	573.30	0.0532	1	286.648	1
Narowal	Narowal	Narowal I QH	Kake Ke PC	Miadi Nanun	574.52	0.0533	1	287.262	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Sabir Pur	575.75	0.0534	1	287.876	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Waraich	576.98	0.0536	1	288.490	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Naimat Pur	590.48	0.0548	1	295.242	1
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Pherowal	590.48	0.0548	1	295.242	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Sahol	590.48	0.0548	1	295.242	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Jagwal	591.71	0.0549	1	295.855	1
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Mahmood Pur	591.71	0.0549	1	295.855	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Qureshian	595.39	0.0553	1	297.697	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Samun Saini	595.39	0.0553	1	297.697	1
Narowal	Narowal	Rayya QH	Narang China No 2 PC	Kals Kotli	596.62	0.0554	1	298.311	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Darsu Pur	600.30	0.0557	1	300.152	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Nangli Bajwah	601.53	0.0558	1	300.766	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No I PC	Bhattian	610.13	0.0566	1	305.063	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 1 PC	Talwarah	611.35	0.0568	1	305.676	1
Narowal	Shakargarh	Bara Manga QH	Pindi Kalan PC	Bhagwan Pur	611.35	0.0568	1	305.676	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Kukar	612.58	0.0569	1	306.290	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Chacharyaly	613.81	0.0570	1	306.904	1
Narowal	Narowal	Talwandi Bhind Ran QH	Datewali PC	Batha	617.49	0.0573	1	308.745	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 1 PC	Sakroi	617.49	0.0573	1	308.745	1
Narowal	Narowal	Narowal I QH	Kotli Bajwa PC	Takia	618.72	0.0574	1	309.359	1
Narowal	Shakargarh	Bara Manga QH	Bheko Chak PC	Nowsherah	623.63	0.0579	1	311.814	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 1 PC	Chak Qazian	624.86	0.0580	1	312.428	1
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Ladhar	626.08	0.0581	1	313.042	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Jora	626.08	0.0581	1	313.042	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Chamanan Khurd	627.31	0.0582	1	313.656	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Bera Gojran	639.59	0.0594	1	319.794	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana I PC	Sanbali	640.82	0.0595	1	320.408	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Chhajwal	642.04	0.0596	1	321.022	1
Narowal	Shakargarh	Kot Nainan QH	Bheri Kalan Ii PC	Saroch Rajpootan	646.95	0.0601	1	323.477	1
Narowal	Narowal	Narowal I QH	Jassar-Ii PC	Phassi Pur	650.64	0.0604	1	325.318	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Mamian	651.86	0.0605	1	325.932	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Natewali	651.86	0.0605	1	325.932	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No I PC	Nagre	653.09	0.0606	1	326.546	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Malhoke	654.32	0.0607	1	327.160	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Gokal Pur	654.32	0.0607	1	327.160	1
Narowal	Zafarwal	Dham Thal QH	Ferozepur PC	Dhale	655.55	0.0609	1	327.773	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Kotli Ramdas	656.77	0.0610	1	328.387	1

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Narowal	Shakargarh	Bara Manga QH	Chak Qazian PC	Kot Rasalat	659.23	0.0612	1	329.615	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Mehmoon	659.23	0.0612	1	329.615	1
Narowal	Narowal	Narowal Ii QH	Sademade PC	Pandori	660.46	0.0613	1	330.229	1
Narowal	Shakargarh	Shakargarh Ii QH	Khanna No Ii PC	Fateh Pur Khurd	661.68	0.0614	1	330.842	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Sangu Wala	662.91	0.0615	1	331.456	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Bhatti Wali	664.14	0.0617	1	332.070	1
Narowal	Shakargarh	Masroor QH	Gopal Pur PC	Mir Pur Sunian	665.37	0.0618	1	332.684	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Paswal	666.60	0.0619	1	333.298	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar I PC	Chak Bhora	667.82	0.0620	1	333.912	1
Narowal	Zafarwal	Zafarwal QH	Zafarwal No 1 PC	Mahal Jalapur	669.05	0.0621	1	334.525	1
Narowal	Narowal	Talwandi Bhind Ran QH	Talwandi Bhindran PC	Sheikh Pura	675.19	0.0627	1	337.594	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Dogar	676.42	0.0628	1	338.208	1
Narowal	Narowal	Rayya QH	Kalaswali No Ii PC	Thili Malian	678.87	0.0630	1	339.436	1
Narowal	Narowal	Narowal I QH	Mahar PC	Chandian Wali	680.10	0.0631	1	340.050	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No.2 PC	Lalyal	681.33	0.0633	1	340.663	1
Narowal	Narowal	Talwandi Bhind Ran QH	Nidoke PC	Mehmad	682.55	0.0634	1	341.277	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Joiyan	683.78	0.0635	1	341.891	1
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Jatwal Khurd	683.78	0.0635	1	341.891	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Chadwal	685.01	0.0636	1	342.505	1
Narowal	Narowal	Rayya QH	Kalaswali No I PC	Kalaswali	687.46	0.0638	1	343.732	1
Narowal	Shakargarh	Bara Manga QH	Fathepur Afghanan PC	Sawala	688.69	0.0639	1	344.346	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Bhabra Jattan	689.92	0.0640	1	344.960	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Chichian	689.92	0.0640	1	344.960	1
Narowal	Narowal	Rayya QH	Rayya PC	Matteke	691.15	0.0642	1	345.574	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Krel Dillu	691.15	0.0642	1	345.574	1
Narowal	Narowal	Rayya QH	Derian Wala PC	Mach	692.38	0.0643	1	346.188	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Narowal	Zafarwal	Lesar Kalan QH	Kokial Kalan PC	Kokial Manjla	696.06	0.0646	1	348.029	1
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Rajo Maral	696.06	0.0646	1	348.029	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No I PC	Chak Chik Dodho	697.29	0.0647	1	348.643	1
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Jatwal Manjla	698.51	0.0648	1	349.257	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Neki Jattan	703.42	0.0653	1	351.712	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Chak Odya	705.88	0.0655	1	352.940	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Kohalian	708.33	0.0658	1	354.167	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar I PC	Makhwal	709.56	0.0659	1	354.781	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Kotli Waryam Singh	710.79	0.0660	1	355.395	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 2 PC	Mutsad Garh	710.79	0.0660	1	355.395	1
Narowal	Shakargarh	Kot Nainan QH	Bakarwal PC	Karwal	712.02	0.0661	1	356.009	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur I PC	Bahlol Pur	713.24	0.0662	1	356.622	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 2 PC	Dadian	713.24	0.0662	1	356.622	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Dohorah	713.24	0.0662	1	356.622	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Satowal	714.47	0.0663	1	357.236	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Malowal	716.93	0.0666	1	358.464	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Raib	716.93	0.0666	1	358.464	1
Narowal	Narowal	Narowal Ii QH	Gandhala PC	Hath Wadian	719.38	0.0668	1	359.691	1
Narowal	Zafarwal	Dham Thal QH	Sankhatrah PC	Warang Kalan	720.61	0.0669	1	360.305	1
Narowal	Shakargarh	Bara Manga QH	Basao Kot PC	Basao Kot	721.84	0.0670	1	360.919	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Lal Chand Pura	721.84	0.0670	1	360.919	1
Narowal	Narowal	Narowal I QH	Jassar-Ii PC	Doaba	723.07	0.0671	1	361.533	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Harar Kalan	723.07	0.0671	1	361.533	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Nangal	729.20	0.0677	1	364.602	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Naurang Abad	732.89	0.0680	1	366.443	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Gajgal	734.11	0.0682	1	367.057	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Meet Pur	734.11	0.0682	1	367.057	1

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Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Dolam	735.34	0.0683	1	367.671	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur I PC	Mann	735.34	0.0683	1	367.671	1
Narowal	Narowal	Narowal I QH	Ransiwal No 2 PC	Ran	735.34	0.0683	1	367.671	1
Narowal	Shakargarh	Kot Nainan QH	Jhan Man Singh No 1 PC	Naror	736.57	0.0684	1	368.285	1
Narowal	Narowal	Narowal Ii QH	Gandhala PC	Nawade	739.02	0.0686	1	369.512	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Jagat Pur	739.02	0.0686	1	369.512	1
Narowal	Narowal	Ghota Fateh Garh QH	Sahdoke Ii PC	Der	740.25	0.0687	1	370.126	1
Narowal	Narowal	Rayya QH	Narang China No 2 PC	Kang	743.94	0.0691	1	371.968	1
Narowal	Zafarwal	Dham Thal QH	Depoke PC	Nagrah	745.16	0.0692	1	372.581	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Bhedan Khani	747.62	0.0694	1	373.809	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Kharlohey	748.85	0.0695	1	374.423	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Farid Ke	750.07	0.0696	1	375.037	1
Narowal	Shakargarh	Bara Manga QH	Chak Qazian PC	Chhani Dolu	751.30	0.0697	1	375.650	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Samrai	752.53	0.0699	1	376.264	1
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Bhago Jahori	756.21	0.0702	1	378.106	1
Narowal	Narowal	Ahmed Abad QH	Ahmedabad PC	Gojar Wali	758.67	0.0704	1	379.333	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Bhadiar	759.89	0.0705	1	379.947	1
Narowal	Shakargarh	Kot Nainan QH	Kot Doaba PC	Kot Doaba	762.35	0.0708	1	381.175	1
Narowal	Shakargarh	Bara Manga QH	Pindi Kalan PC	Pindi Khurd	764.80	0.0710	1	382.402	1
Narowal	Narowal	Talwandi Bhind Ran QH	Datewali PC	Jhadah	766.03	0.0711	1	383.016	1
Narowal	Narowal	Ahmed Abad QH	Rayya Gorayah PC	Nat	766.03	0.0711	1	383.016	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Bhajna	766.03	0.0711	1	383.016	1
Narowal	Shakargarh	Dudhu Chak QH	Sahari PC	Shah Jalil	766.03	0.0711	1	383.016	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Regala	766.03	0.0711	1	383.016	1
Narowal	Narowal	Rayya QH	Agarian PC	Agarian	769.72	0.0715	1	384.858	1
Narowal	Narowal	Rayya QH	Daiwala Malahan PC	Kalchian	773.40	0.0718	1	386.699	1

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Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Chak Kora	775.85	0.0720	1	387.927	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No.2 PC	Panjmali	775.85	0.0720	1	387.927	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 2 PC	Megowal	777.08	0.0721	1	388.540	1
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Dodham Khurd	778.31	0.0723	1	389.154	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Gorala	779.54	0.0724	1	389.768	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Chak Khalil	781.99	0.0726	1	390.996	1
Narowal	Shakargarh	Kot Nainan QH	Bakarwal PC	Nargal	781.99	0.0726	1	390.996	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Gholo	788.13	0.0732	1	394.065	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur Ii PC	Badhai	790.58	0.0734	1	395.292	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Fatowal	790.58	0.0734	1	395.292	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 1 PC	Narang Wali	793.04	0.0736	1	396.520	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 2 PC	Chhajar Wali	794.27	0.0737	1	397.134	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Beri Kalan	795.50	0.0738	1	397.748	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Bhowani Pur	796.72	0.0740	1	398.361	1
Narowal	Zafarwal	Dham Thal QH	Depoke PC	Geedranwali	796.72	0.0740	1	398.361	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Sadhwan	797.95	0.0741	1	398.975	1
Narowal	Narowal	Ahmed Abad QH	Lala PC	Chakhar	799.18	0.0742	1	399.589	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Mehmonwali	799.18	0.0742	1	399.589	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Araian	804.09	0.0746	1	402.044	1
Narowal	Narowal	Narowal Ii QH	Mayudata No Ii PC	Khosar	804.09	0.0746	1	402.044	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Alamiana	804.09	0.0746	1	402.044	1
Narowal	Narowal	Talwandi Bhind Ran QH	Khakhah PC	Rashid Pur	805.32	0.0748	1	402.658	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Bhoi	807.77	0.0750	1	403.886	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Misri Wal	810.23	0.0752	1	405.113	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 2 PC	Nangal Shaho	811.45	0.0753	1	405.727	1
Narowal	Shakargarh	Bara Manga QH	Chak Qazian PC	Achli	811.45	0.0753	1	405.727	1
Narowal	Zafarwal	Lesar Kalan QH	Ghamrula No 2 PC	Chak Suraj	811.45	0.0753	1	405.727	1

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Narowal	Shakargarh	Masroor QH	Baharwal PC	Nasira	816.36	0.0758	1	408.182	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Ladhar	816.36	0.0758	1	408.182	1
Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Kharal	821.27	0.0762	1	410.637	1
Narowal	Narowal	Talwandi Bhind Ran QH	Khakhah PC	Ram Pura	821.27	0.0762	1	410.637	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 2 PC	Bhopla Pur Chakla	822.50	0.0764	1	411.251	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Kanwal Afghanan	822.50	0.0764	1	411.251	1
Narowal	Zafarwal	Lesar Kalan QH	Bher PC	Tarangrah	822.50	0.0764	1	411.251	1
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind Ii PC	Dongra Khurd	827.41	0.0768	1	413.707	1
Narowal	Narowal	Narowal Ii QH	Mehmonwal PC	Aima Qazian	828.64	0.0769	1	414.320	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No Ii PC	Nadali	828.64	0.0769	1	414.320	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Ghor Gal	829.87	0.0770	1	414.934	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No I PC	Nangal Sotkan	829.87	0.0770	1	414.934	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 2 PC	Sirwal	831.10	0.0772	1	415.548	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Rambara	837.23	0.0777	1	418.617	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Behlol Pur Bala	842.14	0.0782	1	421.072	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Sher Pur	843.37	0.0783	1	421.686	1
Narowal	Zafarwal	Zafarwal QH	Zafarwal No 1 PC	Mamdal	843.37	0.0783	1	421.686	1
Narowal	Shakargarh	Kanjror QH	Bistan No 1 PC	Malik Afghanan	848.28	0.0787	1	424.141	1
Narowal	Shakargarh	Masroor QH	Akhlas Pur PC	Behlol Pur	849.51	0.0789	1	424.755	1
Narowal	Narowal	Ahmed Abad QH	Ahulal PC	Rasool Pur Unchi	851.97	0.0791	1	425.983	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 1 PC	Sarja Pur	851.97	0.0791	1	425.983	1
Narowal	Shakargarh	Masroor QH	Akhlas Pur PC	Samun	851.97	0.0791	1	425.983	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Badhal	854.42	0.0793	1	427.210	1
Narowal	Narowal	Narowal Ii QH	Chandarke Rajpootan PC	Kotli Sindhu	855.65	0.0794	1	427.824	1
Narowal	Shakargarh	Masroor QH	Baga PC	Pindi Umra	855.65	0.0794	1	427.824	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Uggowala	858.10	0.0797	1	429.052	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Katarian	859.33	0.0798	1	429.666	1

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Narowal	Narowal	Narowal Ii QH	Ladhewala PC	Maiga	860.56	0.0799	1	430.279	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Mandiali Khurd	860.56	0.0799	1	430.279	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Mahal Ajit	861.79	0.0800	1	430.893	1
Narowal	Shakargarh	Bara Manga QH	Pindi Kalan PC	Chakra	865.47	0.0803	1	432.735	1
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Bhirwal	866.70	0.0805	1	433.348	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Saido	866.70	0.0805	1	433.348	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Kasana	869.15	0.0807	1	434.576	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Lesar Khurd	870.38	0.0808	1	435.190	1
Narowal	Narowal	Ghota Fateh Garh QH	Sahdoke I PC	Awan	871.61	0.0809	1	435.804	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 2 PC	Bhai Pur	872.83	0.0810	1	436.417	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Ratan Pur	874.06	0.0811	1	437.031	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Zambora(Chak Qurashian	875.29	0.0813	1	437.645	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Mehlo	876.52	0.0814	1	438.259	1
Narowal	Zafarwal	Lesar Kalan QH	Bher PC	Beri Khurd	878.97	0.0816	1	439.486	1
Narowal	Narowal	Ghota Fateh Garh QH	Sahdoke I PC	Badho Kot	880.20	0.0817	1	440.100	1
Narowal	Narowal	Narowal I QH	Ransiwal No 1 PC	Chele Wali Bambian	880.20	0.0817	1	440.100	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Babarian	881.43	0.0818	1	440.714	1
Narowal	Narowal	Narowal Ii QH	Ladhewala PC	Kala Qadar	882.66	0.0819	1	441.328	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No I PC	Jasti Wala Uncha	883.88	0.0821	1	441.942	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Langi	885.11	0.0822	1	442.556	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Badala Gojran	886.34	0.0823	1	443.169	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Alo Chhana	890.02	0.0826	1	445.011	1
Narowal	Narowal	Narowal I QH	Mahar PC	Baseke Kalan	891.25	0.0827	1	445.625	1
Narowal	Shakargarh	Shakargarh I QH	Shakargarh PC	Panj Garain	891.25	0.0827	1	445.625	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Doldana	894.93	0.0831	1	447.466	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 2 PC	Balo Wali	898.61	0.0834	1	449.307	1

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Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Naher	898.61	0.0834	1	449.307	1
Narowal	Narowal	Narowal Ii QH	Jajanwala PC	Kotli Boota Singh	901.07	0.0836	1	450.535	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 2 PC	Chandarke	902.30	0.0838	1	451.149	1
Narowal	Narowal	Rayya QH	Kalaswali No Ii PC	Nagre	902.30	0.0838	1	451.149	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Thikirian	905.98	0.0841	1	452.990	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Jhomian Kalan	907.21	0.0842	1	453.604	1
Narowal	Shakargarh	Masroor QH	Baga PC	Nadala Gujran	909.66	0.0844	1	454.832	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Khoti	909.66	0.0844	1	454.832	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Lalian	910.89	0.0846	1	455.445	1
Narowal	Shakargarh	Masroor QH	Baharwal PC	Lodhi Lowari	910.89	0.0846	1	455.445	1
Narowal	Narowal	Ahmed Abad QH	Saikhwan PC	Jarowali	915.80	0.0850	1	457.901	1
Narowal	Narowal	Rayya QH	Baryar PC	Machhana	917.03	0.0851	1	458.515	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Bhagor Kalan	919.48	0.0854	1	459.742	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 2 PC	Lalian	921.94	0.0856	1	460.970	1
Narowal	Zafarwal	Zafarwal QH	Uncha Kalan PC	Pindi Devianian	921.94	0.0856	1	460.970	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Saran Chak Khadial	925.62	0.0859	1	462.811	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Talwara	925.62	0.0859	1	462.811	1
Narowal	Narowal	Narowal Ii QH	Mehmonwal PC	Than Wadah	926.85	0.0860	1	463.425	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Basdev	931.76	0.0865	1	465.880	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Salotra	932.99	0.0866	1	466.494	1
Narowal	Shakargarh	Masroor QH	Jalala PC	Fata	936.67	0.0870	1	468.335	1
Narowal	Shakargarh	Masroor QH	Bodla PC	Sahaan Pur	936.67	0.0870	1	468.335	1
Narowal	Shakargarh	Kanjror QH	Man Pur PC	Haji Pur	939.13	0.0872	1	469.563	1
Narowal	Shakargarh	Masroor QH	Sukho Chak PC	Majwal	940.35	0.0873	1	470.177	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Bhati	941.58	0.0874	1	470.791	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 2 PC	Gando Wali	942.81	0.0875	1	471.404	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Thakyal	942.81	0.0875	1	471.404	1

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Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Dahlora	944.04	0.0876	1	472.018	1
Narowal	Shakargarh	Masroor QH	Masroor No 2 PC	Kalyan Pur	950.17	0.0882	1	475.087	1
Narowal	Shakargarh	Kanjror QH	Man Pur PC	Man Pur	950.17	0.0882	1	475.087	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Pindi Bhomian	951.40	0.0883	1	475.701	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 2 PC	Talwandi Bajwah	953.86	0.0886	1	476.929	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Tajowal	956.31	0.0888	1	478.156	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Shehzad Pur	960.00	0.0891	1	479.998	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Bera Khurd	960.00	0.0891	1	479.998	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Chak Pada	961.22	0.0892	1	480.612	1
Narowal	Zafarwal	Zafarwal QH	Baja Pur PC	Baja Pur	964.91	0.0896	1	482.453	1
Narowal	Shakargarh	Kot Nainan QH	Bheri Kalan Ii PC	Danor	966.13	0.0897	1	483.067	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Ladhar Karam Singh	967.36	0.0898	1	483.681	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Data	967.36	0.0898	1	483.681	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Maingra	968.59	0.0899	1	484.294	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Nathoo Kot	968.59	0.0899	1	484.294	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Rambra	968.59	0.0899	1	484.294	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Kot Bawa	968.59	0.0899	1	484.294	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Sapwal	968.59	0.0899	1	484.294	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 2 PC	Tajoke	971.04	0.0901	1	485.522	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana PC	Amral	972.27	0.0903	1	486.136	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Ali Pur	973.50	0.0904	1	486.750	1
Narowal	Shakargarh	Kanjror QH	Mandi Khel PC	Kotla Afghanan	973.50	0.0904	1	486.750	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Ladhar	973.50	0.0904	1	486.750	1
Narowal	Narowal	Narowal Ii QH	Ladhewala PC	Shamsher Pur	975.95	0.0906	1	487.977	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Klair	975.95	0.0906	1	487.977	1
Narowal	Narowal	Ghota Fateh Garh QH	Pejowali PC	Jajowala	979.64	0.0909	1	489.819	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Bhagor Khurd	979.64	0.0909	1	489.819	1

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Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Chatwal	982.09	0.0912	1	491.046	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana Ii PC	Maryal	984.55	0.0914	1	492.274	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Tarkwal	988.23	0.0917	1	494.115	1
Narowal	Narowal	Rayya QH	Narang China No 2 PC	Choudri China	991.91	0.0921	1	495.957	1
Narowal	Narowal	Rayya QH	Rayya PC	Khitta	993.14	0.0922	1	496.571	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Kala Chichi	993.14	0.0922	1	496.571	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Makhan Pur	994.37	0.0923	1	497.184	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 2 PC	Dhariwal	995.60	0.0924	1	497.798	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No 1 PC	Akyal	995.60	0.0924	1	497.798	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Dhariwal	998.05	0.0927	1	499.026	1
Narowal	Shakargarh	Masroor QH	Baga PC	Gujrat	999.28	0.0928	1	499.640	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Panwan Johi Pur	999.28	0.0928	1	499.640	1
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Bijli Pur	1004.19	0.0932	1	502.095	1
Narowal	Zafarwal	Lesar Kalan QH	Darman No 2 PC	Jhomian Manhasan	1005.42	0.0933	1	502.709	1
Narowal	Narowal	Ghota Fateh Garh QH	Wiroke Bet PC	Nangal Wahla	1010.33	0.0938	1	505.164	1
Narowal	Zafarwal	Zafarwal QH	Nangal Sotkan No Ii PC	Bhagoti Pur	1014.01	0.0941	1	507.005	1
Narowal	Shakargarh	Kot Nainan QH	Chatri PC	Ray Pur	1015.24	0.0942	1	507.619	1
Narowal	Narowal	Rayya QH	Bathan Wala PC	Qila Raja Singh	1016.47	0.0944	1	508.233	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana PC	Jeghal Pur (Taghel Pur)	1016.47	0.0944	1	508.233	1
Narowal	Narowal	Ahmed Abad QH	Lala PC	Kot Araian	1017.69	0.0945	1	508.847	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Nangal Bajna	1017.69	0.0945	1	508.847	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Airian	1018.92	0.0946	1	509.461	1
Narowal	Narowal	Rayya QH	Kalaswali No I PC	Bhangalah	1021.38	0.0948	1	510.688	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Jahon	1021.38	0.0948	1	510.688	1
Narowal	Zafarwal	Zafarwal QH	Ropo Chak No.2 PC	Chohali	1025.06	0.0952	1	512.530	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 1 PC	Lehri Khurd	1025.06	0.0952	1	512.530	1
Narowal	Narowal	Rayya QH	Baryar PC	Nangal Machhana	1033.65	0.0960	1	516.826	1

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Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Darya Pur	1033.65	0.0960	1	516.826	1
Narowal	Narowal	Ahmed Abad QH	Bubak PC	Akal Garh	1038.56	0.0964	1	519.282	1
Narowal	Shakargarh	Bara Manga QH	Dera Noor Malik PC	Dera Noor Malik	1038.56	0.0964	1	519.282	1
Narowal	Narowal	Rayya QH	Narang China No 2 PC	Maidi Malahan	1041.02	0.0966	1	520.509	1
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Chak Baika	1041.02	0.0966	1	520.509	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Bhatti Aulakh	1048.38	0.0973	1	524.192	1
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Mada	1050.84	0.0976	1	525.420	1
Narowal	Zafarwal	Lesar Kalan QH	Kokial Kalan PC	Kokial Kalan	1050.84	0.0976	1	525.420	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Cheema	1053.29	0.0978	1	526.647	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 2 PC	Inayat Pur	1054.52	0.0979	1	527.261	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Fateh Garh	1058.20	0.0982	1	529.102	1
Narowal	Zafarwal	Zafarwal QH	Zafarwal No 2 PC	Zafarwal	1058.20	0.0982	1	529.102	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Keke Wali	1059.43	0.0984	1	529.716	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Lalukot	1060.66	0.0985	1	530.330	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Ghorgal Barhman	1066.80	0.0990	1	533.399	1
Narowal	Narowal	Narowal Ii QH	Gandhala PC	Bhekike	1068.03	0.0991	1	534.013	1
Narowal	Zafarwal	Dham Thal QH	Depoke PC	Habbipur	1069.25	0.0993	1	534.627	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Konwal Jattan	1071.71	0.0995	1	535.854	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 1 PC	Bhodi Malian	1072.94	0.0996	1	536.468	1
Narowal	Narowal	Narowal I QH	Ransiwal No 2 PC	Satia Bambiar	1072.94	0.0996	1	536.468	1
Narowal	Shakargarh	Dudhu Chak QH	Gum Tala PC	Gumtali	1072.94	0.0996	1	536.468	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Dhali	1074.16	0.0997	1	537.082	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 2 PC	Bhopal Pur Manjal	1075.39	0.0998	1	537.696	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Olakh	1075.39	0.0998	1	537.696	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Saniari Burjwali	1075.39	0.0998	1	537.696	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 1 PC	Abial Dogra	1076.62	0.0999	1	538.310	1
Narowal	Narowal	Rayya QH	Derian Wala PC	Salehrmandi	1077.85	0.1001	1	538.923	1

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Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Chekra	1077.85	0.1001	1	538.923	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Ghas	1079.07	0.1002	1	539.537	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Moti	1080.30	0.1003	1	540.151	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Lalo Chak	1080.30	0.1003	1	540.151	1
Narowal	Shakargarh	Kot Nainan QH	Bheri Kalan Ii PC	Jeo Chak	1083.98	0.1006	1	541.992	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Sadhwan	1083.98	0.1006	1	541.992	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Gag	1085.21	0.1007	1	542.606	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Chak Kalekhan	1086.44	0.1009	1	543.220	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 2 PC	Melo Walah	1091.35	0.1013	1	545.675	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Sapwal	1091.35	0.1013	1	545.675	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Sheikh Pur Abad	1096.26	0.1018	1	548.130	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Thakar Ke	1096.26	0.1018	1	548.130	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Jatla	1097.49	0.1019	1	548.744	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Kot Bachna	1098.72	0.1020	1	549.358	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Wirsinke Dharka	1098.72	0.1020	1	549.358	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Romal	1099.94	0.1021	1	549.972	1
Narowal	Narowal	Narowal Ii QH	Mehmonwal PC	Taj Pura	1102.40	0.1023	1	551.200	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 2 PC	Dhadwal	1103.63	0.1025	1	551.813	1
Narowal	Shakargarh	Dudhu Chak QH	Gum Tala PC	Chhajjo Wali	1104.85	0.1026	1	552.427	1
Narowal	Shakargarh	Bara Manga QH	Walipur Bura PC	Kalu Khera	1106.08	0.1027	1	553.041	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana Ii PC	Chhachra	1107.31	0.1028	1	553.655	1
Narowal	Shakargarh	Shakargarh Ii QH	Khanna No Ii PC	Feroz Pur	1109.76	0.1030	1	554.882	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Mirpur	1112.22	0.1033	1	556.110	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Loban	1113.45	0.1034	1	556.724	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Kohlian	1113.45	0.1034	1	556.724	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Ladhar	1114.68	0.1035	1	557.338	1
Narowal	Narowal	Rayya QH	Kalaswali No Ii PC	Shamsa	1118.36	0.1038	1	559.179	1

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Narowal	Zafarwal	Zafarwal QH	Mararah PC	Bhojo Chak	1118.36	0.1038	1	559.179	1
Narowal	Narowal	Ahmed Abad QH	Saikhwan PC	Saikhwan	1120.81	0.1040	1	560.407	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana I PC	Fateh Pur Kalan	1122.04	0.1042	1	561.020	1
Narowal	Shakargarh	Masroor QH	Inayat Pur No 1 PC	Badhan	1123.27	0.1043	1	561.634	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Dhapi Aso	1124.50	0.1044	1	562.248	1
Narowal	Shakargarh	Masroor QH	Bodla PC	Bodla	1125.72	0.1045	1	562.862	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhabli Wala PC	Chacho Wali	1126.95	0.1046	1	563.476	1
Narowal	Narowal	Rayya QH	Mahais PC	Mujahid	1129.41	0.1048	1	564.703	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Boa Kalan	1134.32	0.1053	1	567.159	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Tetra Kalan	1136.77	0.1055	1	568.386	1
Narowal	Zafarwal	Dham Thal QH	Sankhatrah PC	Weroke	1136.77	0.1055	1	568.386	1
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Poro Wali	1138.00	0.1056	1	569.000	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur I PC	Kotli Sange	1140.46	0.1059	1	570.228	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Khoti Pur Yousuf	1141.68	0.1060	1	570.841	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Othian	1142.91	0.1061	1	571.455	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Pindori Fazil	1142.91	0.1061	1	571.455	1
Narowal	Shakargarh	Masroor QH	Gopal Pur PC	Ato Chak Jaindar	1147.82	0.1066	1	573.910	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Chakwal	1149.05	0.1067	1	574.524	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Chahar	1150.28	0.1068	1	575.138	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Togo Bhatti	1155.19	0.1072	1	577.593	1
Narowal	Zafarwal	Lesar Kalan QH	Chak Dola PC	Mehlwan	1156.41	0.1074	1	578.207	1
Narowal	Narowal	Narowal Ii QH	Bola Bajwah PC	Sagal	1158.87	0.1076	1	579.435	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Tarail	1160.10	0.1077	1	580.048	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 1 PC	Mandarwala	1174.83	0.1091	1	587.414	1
Narowal	Shakargarh	Kanjror QH	Weeram PC	Bhayan	1176.06	0.1092	1	588.028	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Chango Wali	1176.06	0.1092	1	588.028	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Chakra	1178.51	0.1094	1	589.256	1

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Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Alawal Chak	1179.74	0.1095	1	589.869	1
Narowal	Shakargarh	Kot Nainan QH	Lalian PC	Chahar	1179.74	0.1095	1	589.869	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Lange	1182.19	0.1097	1	591.097	1
Narowal	Shakargarh	Kot Nainan QH	Jhan Man Singh No 2 PC	Jhan Man Singh	1183.42	0.1099	1	591.711	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Ganesh Pur	1184.65	0.1100	1	592.325	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Jangu Chak	1184.65	0.1100	1	592.325	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Range Pur	1185.88	0.1101	1	592.938	1
Narowal	Shakargarh	Kot Nainan QH	Lalian PC	Lalwan	1189.56	0.1104	1	594.780	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Pandori	1190.79	0.1105	1	595.394	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Saniari Khurd	1192.01	0.1107	1	596.007	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No Ii PC	Jasti Wala Niwan	1193.24	0.1108	1	596.621	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Bhoj Pur	1198.15	0.1112	1	599.077	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Latko Chak	1199.38	0.1113	1	599.690	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Dandot	1201.84	0.1116	1	600.918	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Bhelo Wali	1204.29	0.1118	1	602.146	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Salohwali	1210.43	0.1124	1	605.215	1
Narowal	Shakargarh	Kot Nainan QH	Lalian PC	Lawankh	1211.66	0.1125	1	605.828	1
Narowal	Narowal	Narowal Ii QH	Mehmonwal PC	Mehmonwal	1215.34	0.1128	1	607.670	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadowala Uncha PC	Tote Wali	1216.57	0.1129	1	608.284	1
Narowal	Shakargarh	Bara Manga QH	Kotla Kalwan PC	Kotla Kahlwan	1216.57	0.1129	1	608.284	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Malak Pur	1220.25	0.1133	1	610.125	1
Narowal	Narowal	Narowal Ii QH	Bola Bajwah PC	Saran	1223.93	0.1136	1	611.966	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Kang	1226.39	0.1139	1	613.194	1
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Dalyal	1230.07	0.1142	1	615.036	1
Narowal	Narowal	Rayya QH	Jeewan Bhindar PC	Lalewali	1231.30	0.1143	1	615.649	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Sahdrah	1231.30	0.1143	1	615.649	1

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Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No Ii PC	Khokhar Wali	1233.75	0.1145	1	616.877	1
Narowal	Shakargarh	Kanjror QH	Weeram PC	Weeram	1233.75	0.1145	1	616.877	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Saleh Pur	1233.75	0.1145	1	616.877	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 1 PC	Ahdi Pur	1234.98	0.1146	1	617.491	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Bhattian	1234.98	0.1146	1	617.491	1
Narowal	Shakargarh	Kanjror QH	Bistan No 2 PC	Sultan Pur	1236.21	0.1148	1	618.105	1
Narowal	Shakargarh	Kot Nainan QH	Latko Chak PC	Heera Jhon	1238.66	0.1150	1	619.332	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Mahajan	1239.89	0.1151	1	619.946	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana PC	Monan	1239.89	0.1151	1	619.946	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Budhu Tarkhana	1241.12	0.1152	1	620.560	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Ake Ki	1242.35	0.1153	1	621.174	1
Narowal	Zafarwal	Lesar Kalan QH	Bher PC	Niki Gojran	1244.80	0.1156	1	622.401	1
Narowal	Zafarwal	Lesar Kalan QH	Jangu Chak PC	Bera Kalan	1247.26	0.1158	1	623.629	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Tara Pur	1247.26	0.1158	1	623.629	1
Narowal	Zafarwal	Zafarwal QH	Uncha Kalan PC	Matar	1252.17	0.1162	1	626.084	1
Narowal	Zafarwal	Dham Thal QH	Jasti Wala No I PC	Dhapai	1254.62	0.1165	1	627.312	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Bhagwan Pur	1257.08	0.1167	1	628.539	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Lo Rai	1258.31	0.1168	1	629.153	1
Narowal	Shakargarh	Bara Manga QH	Bheko Chak PC	Nau Gaza	1258.31	0.1168	1	629.153	1
Narowal	Narowal	Narowal I QH	Kotli Bajwa PC	Kotli Bajwa	1264.44	0.1174	1	632.222	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Jassowali	1264.44	0.1174	1	632.222	1
Narowal	Narowal	Narowal Ii QH	Chandarke Rajpootan PC	Salehrian	1265.67	0.1175	1	632.836	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Jodey	1266.90	0.1176	1	633.450	1
Narowal	Narowal	Talwandi Bhind Ran QH	Khakhah PC	Khakhah	1276.72	0.1185	1	638.360	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Jhomian Gojran	1280.40	0.1189	1	640.202	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Kahral Kahna	1282.86	0.1191	1	641.429	1

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Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Khaira	1289.00	0.1197	1	644.498	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Dehla Gojran	1292.68	0.1200	1	646.340	1
Narowal	Narowal	Narowal Ii QH	Sademade PC	Sademade	1293.91	0.1201	1	646.954	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Munda Bajwa	1293.91	0.1201	1	646.954	1
Narowal	Narowal	Rayya QH	Jeewan Bhindar PC	Gahrowal	1295.13	0.1202	1	647.567	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Bori	1295.13	0.1202	1	647.567	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Darian	1298.82	0.1206	1	649.409	1
Narowal	Zafarwal	Lesar Kalan QH	Chak Dola PC	Chak Dola	1298.82	0.1206	1	649.409	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Saraj	1301.27	0.1208	1	650.636	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Dadyal	1303.73	0.1210	1	651.864	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Kotli Gojran	1303.73	0.1210	1	651.864	1
Narowal	Narowal	Rayya QH	Baryar PC	Baryar	1308.64	0.1215	1	654.319	1
Narowal	Zafarwal	Dham Thal QH	Ainowali PC	Bhatti Kahwan	1311.09	0.1217	1	655.547	1
Narowal	Shakargarh	Masroor QH	Baga PC	Tara Chak	1313.55	0.1219	1	656.774	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Muraida Tarkhana	1316.00	0.1222	1	658.002	1
Narowal	Zafarwal	Lesar Kalan QH	Beri Kalan PC	Kohilian	1317.23	0.1223	1	658.616	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Gingran	1318.46	0.1224	1	659.230	1
Narowal	Narowal	Ahmed Abad QH	Domalah PC	Kaisowali	1322.14	0.1227	1	661.071	1
Narowal	Shakargarh	Shakargarh Ii QH	Bhati Afghana PC	Badwal	1322.14	0.1227	1	661.071	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Kiryal	1323.37	0.1229	1	661.685	1
Narowal	Narowal	Narowal I QH	Alya Abad PC	Porana Wahla	1324.60	0.1230	1	662.299	1
Narowal	Shakargarh	Kanjror QH	Gorala PC	Malagar Pur	1324.60	0.1230	1	662.299	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Balo Khatana	1327.05	0.1232	1	663.526	1
Narowal	Shakargarh	Kot Nainan QH	Chatri PC	Dedar	1328.28	0.1233	1	664.140	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Behlol Pur Kotli	1329.51	0.1234	1	664.754	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Pindori	1338.10	0.1242	1	669.051	1
Narowal	Zafarwal	Lesar Kalan QH	Kokial Kalan PC	Danwal	1338.10	0.1242	1	669.051	1

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Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Raholah	1340.56	0.1244	1	670.278	1
Narowal	Narowal	Narowal I QH	Jassar-Ii PC	Chak Safdar	1341.78	0.1246	1	670.892	1
Narowal	Shakargarh	Dudhu Chak QH	Sahari PC	Isa	1341.78	0.1246	1	670.892	1
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Riba Chakla	1341.78	0.1246	1	670.892	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana I PC	Ghalor	1344.24	0.1248	1	672.120	1
Narowal	Shakargarh	Kanjror QH	Bistan No 1 PC	Bistan Afghanan	1345.47	0.1249	1	672.733	1
Narowal	Shakargarh	Kanjror QH	Achal Wali PC	Mirze Wali	1352.83	0.1256	1	676.416	1
Narowal	Narowal	Narowal I QH	Gias Pur PC	Jatte Pur	1358.97	0.1262	1	679.485	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadowala Uncha PC	Sadowala Niwan	1362.65	0.1265	1	681.327	1
Narowal	Narowal	Narowal Ii QH	Mayudata No I PC	Thala Kalan	1366.34	0.1268	1	683.168	1
Narowal	Shakargarh	Shakargarh I QH	Shakargarh PC	Khandarian	1366.34	0.1268	1	683.168	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 1 PC	Meerakpur	1367.56	0.1270	1	683.782	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Phagwari Hindwan	1367.56	0.1270	1	683.782	1
Narowal	Shakargarh	Bara Manga QH	Fathepur Afghanan PC	Sakrangian	1372.47	0.1274	1	686.237	1
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind Ii PC	Dongra Kalan	1373.70	0.1275	1	686.851	1
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Tatla	1374.93	0.1276	1	687.465	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Sikkareali	1376.16	0.1278	1	688.079	1
Narowal	Zafarwal	Lesar Kalan QH	Kokial Kalan PC	Kokial Khurd	1377.38	0.1279	1	688.692	1
Narowal	Narowal	Ghota Fateh Garh QH	Khan Khasah PC	Targa	1385.98	0.1287	1	692.989	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Bagarian	1389.66	0.1290	1	694.831	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Dhala	1398.25	0.1298	1	699.127	1
Narowal	Narowal	Narowal Ii QH	Chandarke Rajpootan PC	Harai	1400.71	0.1300	1	700.355	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Monananwali	1405.62	0.1305	1	702.810	1
Narowal	Shakargarh	Masroor QH	Chak Baika PC	Karohal Ranga	1408.08	0.1307	1	704.038	1
Narowal	Shakargarh	Kot Nainan QH	(Malak Pur)Alawal Chak PC	Shah Pur Jattan	1408.08	0.1307	1	704.038	1
Narowal	Narowal	Rayya QH	Narang China No 2 PC	Sahowal	1410.53	0.1309	1	705.265	1

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Narowal	Zafarwal	Zafarwal QH	Ropo Chak No.2 PC	Ghazi Pur	1412.99	0.1312	1	706.493	1
Narowal	Narowal	Ghota Fateh Garh QH	Khan Khasah PC	Dhola	1416.67	0.1315	1	708.334	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Thakar Dowarah	1420.35	0.1319	1	710.176	1
Narowal	Narowal	Narowal I QH	Kake Ke PC	Kake Ke	1424.03	0.1322	1	712.017	1
Narowal	Shakargarh	Kanjror QH	Gingran PC	Ranewal	1424.03	0.1322	1	712.017	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar Ii PC	Jhang	1426.49	0.1324	1	713.245	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Khunian	1427.72	0.1325	1	713.859	1
Narowal	Narowal	Ahmed Abad QH	Saikhwan PC	Rajadah	1427.72	0.1325	1	713.859	1
Narowal	Shakargarh	Shakargarh I QH	Khanowal PC	Weeru Wali	1428.94	0.1327	1	714.472	1
Narowal	Shakargarh	Masroor QH	Masroor No 2 PC	Dogar	1430.17	0.1328	1	715.086	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Jalal Pur	1431.40	0.1329	1	715.700	1
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Dial Pur	1432.63	0.1330	1	716.314	1
Narowal	Shakargarh	Masroor QH	Naurang Abad PC	Thakur Pur Makam	1432.63	0.1330	1	716.314	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 2 PC	Audho Datta	1432.63	0.1330	1	716.314	1
Narowal	Zafarwal	Lesar Kalan QH	Niki I PC	Danga Narain Pur	1437.54	0.1335	1	718.769	1
Narowal	Narowal	Narowal I QH	Jassar-I PC	Kalu Pada	1438.77	0.1336	1	719.383	1
Narowal	Narowal	Talwandi Bhind Ran QH	Bhodi Malian No 2 PC	Mangola	1438.77	0.1336	1	719.383	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Ratian	1438.77	0.1336	1	719.383	1
Narowal	Narowal	Talwandi Bhind Ran QH	Nidoke PC	Nidoke	1441.22	0.1338	1	720.610	1
Narowal	Shakargarh	Bara Manga QH	Bhajna PC	Yousuf Pur Chak Baha-Ud	1442.45	0.1339	1	721.224	1
Narowal	Shakargarh	Kot Nainan QH	Bhota Rawal PC	Bhota Rawal	1443.68	0.1340	1	721.838	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No I PC	Gigian	1446.13	0.1342	1	723.066	1
Narowal	Narowal	Rayya QH	Agarian PC	Kotli Natho Malhi	1447.36	0.1344	1	723.680	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Nat	1452.27	0.1348	1	726.135	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Chamarial	1453.50	0.1349	1	726.749	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Natlah Khurd	1455.95	0.1352	1	727.976	1

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Narowal	Shakargarh	Kot Nainan QH	Bheri Kalan Ii PC	Danori	1460.86	0.1356	1	730.431	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Longoke	1463.32	0.1358	1	731.659	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 1 PC	Chak Wichla	1464.55	0.1360	1	732.273	1
Narowal	Zafarwal	Lesar Kalan QH	Niki I PC	Niki Barhamnan	1464.55	0.1360	1	732.273	1
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Kotli Mamola	1467.00	0.1362	1	733.500	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal Ii PC	Chak Amro	1467.00	0.1362	1	733.500	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Thikarian	1468.23	0.1363	1	734.114	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Chak Safira	1470.68	0.1365	1	735.342	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 1 PC	Dhang	1474.37	0.1369	1	737.183	1
Narowal	Narowal	Ahmed Abad QH	Rayya Gorayah PC	Bhaiti Gorahyah	1479.28	0.1373	1	739.639	1
Narowal	Narowal	Narowal Ii QH	Mayudata No Ii PC	Osahan	1486.64	0.1380	1	743.321	1
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Kotli Jattan	1487.87	0.1381	1	743.935	1
Narowal	Narowal	Narowal Ii QH	Mado Kahlwan PC	Rana	1490.33	0.1384	1	745.163	1
Narowal	Zafarwal	Dham Thal QH	Depoke PC	Kot Ramzani	1491.55	0.1385	1	745.777	1
Narowal	Shakargarh	Kot Nainan QH	Dhadwal PC	Dadhowal	1492.78	0.1386	1	746.390	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Pachwalian	1498.92	0.1392	1	749.459	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana I PC	Chatar	1506.28	0.1398	1	753.142	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana PC	Porni	1506.28	0.1398	1	753.142	1
Narowal	Shakargarh	Shakargarh Ii QH	Sarjal PC	Harar Khurd	1512.42	0.1404	1	756.211	1
Narowal	Narowal	Narowal I QH	Ransiwal No 2 PC	Dode Wali	1514.88	0.1406	1	757.439	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Bado	1530.84	0.1421	1	765.418	1
Narowal	Narowal	Ahmed Abad QH	Saikhwan PC	Chandoke	1532.06	0.1422	1	766.032	1
Narowal	Narowal	Narowal I QH	Khaka Kalas PC	Behbal Wali	1533.29	0.1423	1	766.646	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 2 PC	Chak Talla	1533.29	0.1423	1	766.646	1
Narowal	Narowal	Rayya QH	Rayya PC	Fatoke	1538.20	0.1428	1	769.101	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Barkhanian	1544.34	0.1434	1	772.170	1
Narowal	Narowal	Ghota Fateh Garh QH	Pejowali PC	Aurang Abad	1549.25	0.1438	1	774.626	1

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Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Sultan Pur	1549.25	0.1438	1	774.626	1
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Haibat Pur	1550.48	0.1439	1	775.239	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Man	1551.71	0.1441	1	775.853	1
Narowal	Shakargarh	Masroor QH	Baharwal PC	Ghasit Pur	1554.16	0.1443	1	777.081	1
Narowal	Zafarwal	Dham Thal QH	Dhamthal PC	Pindi Kahlwan	1554.16	0.1443	1	777.081	1
Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Saniari Kalan	1555.39	0.1444	1	777.695	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur I PC	Khewa	1557.84	0.1446	1	778.922	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Chak Dodah	1563.98	0.1452	1	781.991	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Chajwal	1566.44	0.1454	1	783.219	1
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Dodham Kalan	1567.67	0.1455	1	783.833	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Thaithar	1572.58	0.1460	1	786.288	1
Narowal	Narowal	Ghota Fateh Garh QH	Manak PC	Daib	1576.26	0.1463	1	788.129	1
Narowal	Zafarwal	Lesar Kalan QH	Darman No 1 PC	Opian	1576.26	0.1463	1	788.129	1
Narowal	Shakargarh	Shakargarh Ii QH	Tohana I PC	Tohana	1594.67	0.1480	1	797.336	1
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Chhani Barhamnan	1599.58	0.1485	1	799.792	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Lohan	1603.27	0.1488	1	801.633	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Khano Malhi	1608.18	0.1493	1	804.088	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Lohara	1609.40	0.1494	1	804.702	1
Narowal	Zafarwal	Lesar Kalan QH	Dailra PC	Jatwal Kalan	1613.09	0.1497	1	806.544	1
Narowal	Shakargarh	Bara Manga QH	Dalanangal PC	Dala Nangal	1614.31	0.1499	1	807.157	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Chak Hakim	1614.31	0.1499	1	807.157	1
Narowal	Shakargarh	Masroor QH	Baharwal PC	Mangri	1618.00	0.1502	1	808.999	1
Narowal	Zafarwal	Lesar Kalan QH	Bher PC	Nagwal	1618.00	0.1502	1	808.999	1
Narowal	Shakargarh	Kanjror QH	Weeram PC	Manji Tor	1621.68	0.1505	1	810.840	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Bhagwan Pur	1621.68	0.1505	1	810.840	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Khudai Pur	1625.36	0.1509	1	812.682	1
Narowal	Narowal	Narowal I QH	Khaka Kalas PC	Kalas Pada	1627.82	0.1511	1	813.909	1

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Narowal	Shakargarh	Shakargarh Ii QH	Bhati Afghana PC	Fattu Chak	1629.05	0.1512	1	814.523	1
Narowal	Shakargarh	Bara Manga QH	Jar Mian Sagnan PC	Fatoohi Chak	1631.50	0.1515	1	815.751	1
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Chajwana	1637.64	0.1520	1	818.820	1
Narowal	Narowal	Ghota Fateh Garh QH	Mojoke Darap PC	Baleke Khurd	1640.09	0.1523	1	820.047	1
Narowal	Shakargarh	Kot Nainan QH	Jogial PC	Jogial	1641.32	0.1524	1	820.661	1
Narowal	Narowal	Ahmed Abad QH	Rayya Gorayah PC	Maundeke	1642.55	0.1525	1	821.275	1
Narowal	Shakargarh	Kot Nainan QH	Bakarwal PC	Bakarwal	1642.55	0.1525	1	821.275	1
Narowal	Narowal	Ahmed Abad QH	Ahulal PC	Naiwain	1645.01	0.1527	1	822.503	1
Narowal	Zafarwal	Zafarwal QH	Jandyala PC	Mangwal	1651.14	0.1533	1	825.572	1
Narowal	Shakargarh	Bara Manga QH	Bheko Chak PC	Bheko Chak	1654.83	0.1536	1	827.413	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Fatowal	1654.83	0.1536	1	827.413	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Jagal	1654.83	0.1536	1	827.413	1
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind I PC	Pargwal	1654.83	0.1536	1	827.413	1
Narowal	Narowal	Ahmed Abad QH	Lala PC	Budha Dharang	1658.51	0.1540	1	829.255	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana Ii PC	Jaba Lota	1658.51	0.1540	1	829.255	1
Narowal	Narowal	Talwandi Bhind Ran QH	Talwandi Bhindran PC	Adoke Kalan	1659.74	0.1541	1	829.868	1
Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Pind Barhamnan	1659.74	0.1541	1	829.868	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Maila	1660.96	0.1542	1	830.482	1
Narowal	Shakargarh	Bara Manga QH	Bhabra Gojran PC	Bhabra Gojran	1662.19	0.1543	1	831.096	1
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Dadi Pur	1662.19	0.1543	1	831.096	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Sheikh Pur Weeran	1668.33	0.1549	1	834.165	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Ratta	1669.56	0.1550	1	834.779	1
Narowal	Shakargarh	Kot Nainan QH	Chatri PC	Chatri	1670.79	0.1551	1	835.393	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Khanowal	1674.47	0.1554	1	837.234	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Jalloke	1674.47	0.1554	1	837.234	1
Narowal	Narowal	Rayya QH	Derian Wala PC	Hajiwala	1679.38	0.1559	1	839.689	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Chhajo Khewa	1679.38	0.1559	1	839.689	1

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Narowal	Zafarwal	Lesar Kalan QH	Bholian PC	Pind Bholian	1681.83	0.1561	1	840.917	1
Narowal	Shakargarh	Kot Nainan QH	Kot Nainan PC	Khanmora	1683.06	0.1562	1	841.531	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Targa	1684.29	0.1564	1	842.144	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 2 PC	Kasana	1686.74	0.1566	1	843.372	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Harbans Pur	1690.43	0.1569	1	845.214	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Jagal	1690.43	0.1569	1	845.214	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur Ii PC	Bulo	1692.88	0.1572	1	846.441	1
Narowal	Narowal	Narowal I QH	Gias Pur PC	Gias Pur	1696.57	0.1575	1	848.283	1
Narowal	Narowal	Ghota Fateh Garh QH	Sahdoke I PC	Sahdoke	1697.79	0.1576	1	848.896	1
Narowal	Narowal	Narowal Ii QH	Gandhala PC	Gandhala	1706.39	0.1584	1	853.193	1
Narowal	Shakargarh	Masroor QH	Sukho Chak PC	Bagolra	1710.07	0.1588	1	855.034	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Mothi	1710.07	0.1588	1	855.034	1
Narowal	Narowal	Rayya QH	Mahais PC	Adoke Khurd	1712.52	0.1590	1	856.262	1
Narowal	Zafarwal	Lesar Kalan QH	Dhandar Ii PC	Bhatli	1712.52	0.1590	1	856.262	1
Narowal	Narowal	Rayya QH	Rayya PC	Gege Wali	1717.43	0.1594	1	858.717	1
Narowal	Shakargarh	Kanjror QH	Gol PC	Gol	1718.66	0.1595	1	859.331	1
Narowal	Shakargarh	Bara Manga QH	Kulah PC	Bhangala	1719.89	0.1597	1	859.945	1
Narowal	Narowal	Ahmed Abad QH	Ahulal PC	Jondah Punnu	1732.17	0.1608	1	866.083	1
Narowal	Narowal	Rayya QH	Baryar PC	Kotli Nawaiyaw	1734.62	0.1610	1	867.311	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Baran	1737.08	0.1613	1	868.538	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Morli	1743.21	0.1618	1	871.607	1
Narowal	Zafarwal	Dham Thal QH	Jassowali PC	Jloke	1746.90	0.1622	1	873.449	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Chakwal	1749.35	0.1624	1	874.676	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Kharal Jawala	1755.49	0.1630	1	877.745	1
Narowal	Zafarwal	Zafarwal QH	Zafarwal No 1 PC	Chak Mirdah	1761.63	0.1635	1	880.814	1
Narowal	Narowal	Narowal I QH	Gias Pur PC	Baqar	1765.31	0.1639	1	882.656	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Agwal	1767.77	0.1641	1	883.883	1

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Narowal	Shakargarh	Shakargarh Ii QH	Saniari Kalan No 1 PC	Payal Kalan	1773.90	0.1647	1	886.952	1
Narowal	Narowal	Ahmed Abad QH	Lala PC	Chhimah	1775.13	0.1648	1	887.566	1
Narowal	Zafarwal	Zafarwal QH	Zafarwal No 1 PC	Khushhal Garh	1777.59	0.1650	1	888.794	1
Narowal	Narowal	Talwandi Bhind Ran QH	Talwandi Bhindran PC	Chaharke	1786.18	0.1658	1	893.091	1
Narowal	Narowal	Narowal Ii QH	Mado Kahlwan PC	Dhali Dhala	1788.64	0.1660	1	894.318	1
Narowal	Shakargarh	Bara Manga QH	Fathepur Afghanan PC	Audrah	1788.64	0.1660	1	894.318	1
Narowal	Zafarwal	Lesar Kalan QH	Chak Dola PC	Badwal	1793.55	0.1665	1	896.773	1
Narowal	Zafarwal	Zafarwal QH	Uncha Kalan PC	Chak Bobak	1793.55	0.1665	1	896.773	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Malbajwah	1796.00	0.1667	1	898.001	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Mota	1797.23	0.1668	1	898.615	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Jeendar	1804.60	0.1675	1	902.298	1
Narowal	Shakargarh	Masroor QH	Masroor No 2 PC	Kasana	1811.96	0.1682	1	905.980	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 1 PC	Dholan	1815.64	0.1686	1	907.822	1
Narowal	Zafarwal	Dham Thal QH	Saiar No 1 PC	Saiar	1815.64	0.1686	1	907.822	1
Narowal	Narowal	Narowal I QH	Khaka Kalas PC	Musalmani	1824.24	0.1694	1	912.119	1
Narowal	Shakargarh	Masroor QH	Baga PC	How	1824.24	0.1694	1	912.119	1
Narowal	Zafarwal	Dham Thal QH	Ainowali PC	Jalil Pur	1832.83	0.1701	1	916.415	1
Narowal	Narowal	Narowal I QH	Chandowal PC	Khokhar	1834.06	0.1703	1	917.029	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Kotli Mohammad Siddiq	1835.29	0.1704	1	917.643	1
Narowal	Zafarwal	Lesar Kalan QH	Chak Dola PC	Sadgal	1840.20	0.1708	1	920.098	1
Narowal	Shakargarh	Masroor QH	Masroor No 1 PC	Chak Bharayan	1842.65	0.1711	1	921.326	1
Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Dogar Musalman	1843.88	0.1712	1	921.939	1
Narowal	Narowal	Ghota Fateh Garh QH	Kalas Goraya PC	Kalas Goraya	1843.88	0.1712	1	921.939	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Ago Manda	1845.11	0.1713	1	922.553	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Bhagwal	1846.33	0.1714	1	923.167	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Binhal	1846.33	0.1714	1	923.167	1
Narowal	Shakargarh	Bara Manga QH	Pindi Kalan PC	Pindi Kalan	1847.56	0.1715	1	923.781	1

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Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Saroch Barhmnan	1851.24	0.1719	1	925.622	1
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Baqar Pur	1858.61	0.1725	1	929.305	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Barwal	1859.84	0.1727	1	929.919	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Manka	1862.29	0.1729	1	931.147	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Fata Toor	1865.98	0.1732	1	932.988	1
Narowal	Zafarwal	Lesar Kalan QH	Lesar Kalan PC	Lesar Manjla	1867.20	0.1733	1	933.602	1
Narowal	Narowal	Narowal Ii QH	Mayudata No Ii PC	Thala Khurd	1872.11	0.1738	1	936.057	1
Narowal	Narowal	Ahmed Abad QH	Domalah PC	Gajjoke	1884.39	0.1749	1	942.195	1
Narowal	Narowal	Narowal Ii QH	Mado Kahlwan PC	Wazir Pur Jaspal	1888.07	0.1753	1	944.037	1
Narowal	Narowal	Rayya QH	Daiwala Malahan PC	Daiwala Malahan	1895.44	0.1760	1	947.719	1
Narowal	Shakargarh	Masroor QH	Baharwal PC	Baharwal	1895.44	0.1760	1	947.719	1
Narowal	Zafarwal	Zafarwal QH	Rajian PC	Kartar Pur	1896.67	0.1761	1	948.333	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal I PC	Sakmal	1900.35	0.1764	1	950.175	1
Narowal	Shakargarh	Shakargarh Ii QH	Gedar Pur No 1 PC	Gidarpur	1901.58	0.1765	1	950.788	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Mandiali Kalan	1902.80	0.1766	1	951.402	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana Ii PC	Lakhnor	1906.49	0.1770	1	953.244	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 2 PC	Landra	1910.17	0.1773	1	955.085	1
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Kaian	1943.32	0.1804	1	971.658	1
Narowal	Narowal	Talwandi Bhind Ran QH	Malok Pur PC	Malok Pur	1944.54	0.1805	1	972.272	1
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Mansoora	1944.54	0.1805	1	972.272	1
Narowal	Narowal	Talwandi Bhind Ran QH	Dharg Mianah PC	Dhaya	1949.45	0.1810	1	974.727	1
Narowal	Shakargarh	Masroor QH	Chhala PC	Paswal	1949.45	0.1810	1	974.727	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 2 PC	Mala	1949.45	0.1810	1	974.727	1
Narowal	Zafarwal	Dham Thal QH	Depoke PC	Bal	1950.68	0.1811	1	975.341	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No I PC	Sod	1951.91	0.1812	1	975.955	1
Narowal	Narowal	Ahmed Abad QH	Bahlolpur Ii PC	Khemonwali	1953.14	0.1813	1	976.568	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal Ii PC	Chak Jamil	1954.36	0.1814	1	977.182	1

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Narowal	Shakargarh	Kot Nainan QH	Chatri PC	Baroti	1955.59	0.1815	1	977.796	1
Narowal	Zafarwal	Dham Thal QH	Ferozepur PC	Ghola Bajwa	1959.27	0.1819	1	979.637	1
Narowal	Narowal	Narowal I QH	Chandowal PC	Raib	1960.50	0.1820	1	980.251	1
Narowal	Shakargarh	Masroor QH	Chhamal No 1 PC	Hadnal	1966.64	0.1826	1	983.320	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Jalal Pur	1967.87	0.1827	1	983.934	1
Narowal	Narowal	Talwandi Bhind Ran QH	Tatla PC	Mirak Pur	1969.10	0.1828	1	984.548	1
Narowal	Narowal	Rayya QH	Narang China No 1 PC	Tharpal	1970.32	0.1829	1	985.162	1
Narowal	Narowal	Ghota Fateh Garh QH	Khan Khasah PC	Khasah	1980.14	0.1838	1	990.072	1
Narowal	Narowal	Narowal Ii QH	Mado Kahlwan PC	Mado Kahlwan	1981.37	0.1839	1	990.686	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Talan	1981.37	0.1839	1	990.686	1
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Dotail	1983.83	0.1842	1	991.914	1
Narowal	Narowal	Narowal Ii QH	Jajanwala PC	Jaman	1988.74	0.1846	1	994.369	1
Narowal	Shakargarh	Dudhu Chak QH	Nadala Slehrian PC	Nadala Salehrian	5903.60	0.8221	1	2951.802	1
Narowal	Shakargarh	Dudhu Chak QH	Gum Tala PC	Gum Tala	5856.96	0.8156	1	2928.478	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Sathiala	5788.21	0.8060	1	2894.104	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No Ii PC	Fatowal Sulerian	5773.48	0.8040	1	2886.739	1
Narowal	Narowal	Narowal Ii QH	Maloke PC	Maloke	5569.69	0.7756	1	2784.847	1
Narowal	Shakargarh	Bara Manga QH	Noor Kot PC	Noor Kot	5492.35	0.7648	1	2746.177	1
Narowal	Shakargarh	Shakargarh I QH	Nagrota PC	Nagrota	5356.09	0.7458	1	2678.044	1
Narowal	Narowal	Ghota Fateh Garh QH	Sahdoke Ii PC	Dongian	5283.66	0.7358	1	2641.829	1
Narowal	Shakargarh	Shakargarh I QH	Khanowal PC	Basra Jala	5268.93	0.7337	1	2634.464	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhabli Wala PC	Dhabli Wala	5009.90	0.6976	1	2504.950	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Jatar	2994.16	0.2780	1	1497.078	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Kot Lakha Singh	2990.47	0.2776	1	1495.236	1
Narowal	Narowal	Narowal Ii QH	Mehmonwal PC	Dhani Dev	2989.24	0.2775	1	1494.622	1
Narowal	Zafarwal	Dham Thal QH	Ainowali PC	Mehlowalah	2980.65	0.2767	1	1490.326	1
Narowal	Shakargarh	Kot Nainan QH	Her Pal PC	Harial Pakhral	2970.83	0.2758	1	1485.415	1

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Narowal	Shakargarh	Bara Manga QH	Chak Qazian PC	Khanpur Gojran	2970.83	0.2758	1	1485.415	1
Narowal	Zafarwal	Dham Thal QH	Sangial PC	Sarjal	2969.60	0.2757	1	1484.801	1
Narowal	Zafarwal	Zafarwal QH	Baja Pur PC	Chani	2965.92	0.2753	1	1482.960	1
Narowal	Shakargarh	Kot Nainan QH	Saroch Brahmnan PC	Phagwari Musalmanan	2915.59	0.2707	1	1457.794	1
Narowal	Zafarwal	Dham Thal QH	Ferozepur PC	Ahal	2911.90	0.2703	1	1455.952	1
Narowal	Narowal	Ghota Fateh Garh QH	Khan Khasah PC	Khan	2898.40	0.2691	1	1449.201	1
Narowal	Shakargarh	Dudhu Chak QH	Maingra PC	Maingra	2876.30	0.2670	1	1438.152	1
Narowal	Zafarwal	Dham Thal QH	Targa PC	Pindi Amolak	2868.94	0.2663	1	1434.469	1
Narowal	Zafarwal	Dham Thal QH	Sankhatrah PC	Panjgarian	2866.48	0.2661	1	1433.241	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Soian	2864.03	0.2659	1	1432.014	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Rambri	2855.43	0.2651	1	1427.717	1
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind Ii PC	Parera	2851.75	0.2647	1	1425.876	1
Narowal	Narowal	Talwandi Bhind Ran QH	Nidoke PC	Thaithar Wali	2839.48	0.2636	1	1419.738	1
Narowal	Zafarwal	Zafarwal QH	Jandyala PC	Devli	2821.06	0.2619	1	1410.531	1
Narowal	Zafarwal	Lesar Kalan QH	Rambri PC	Chanda	2814.92	0.2613	1	1407.462	1
Narowal	Narowal	Talwandi Bhind Ran QH	Walike PC	Aino Bajwah	2806.33	0.2605	1	1403.165	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Jhanian	2789.14	0.2589	1	1394.572	1
Narowal	Zafarwal	Lesar Kalan QH	Sathiala PC	Jabal	2776.87	0.2578	1	1388.434	1
Narowal	Narowal	Ahmed Abad QH	Ali Pur Saidan No 2 PC	Falez Pur	2774.41	0.2576	1	1387.206	1
Narowal	Narowal	Narowal I QH	Gias Pur PC	Talwandi Kahlwan	2752.31	0.2555	1	1376.157	1
Narowal	Narowal	Ghota Fateh Garh QH	Manak PC	Mangian	2736.36	0.2540	1	1368.178	1
Narowal	Shakargarh	Dudhu Chak QH	Tola PC	Sohawra	2726.53	0.2531	1	1363.267	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Amwal	2725.31	0.2530	1	1362.654	1
Narowal	Narowal	Ghota Fateh Garh QH	Daud PC	Daud	2715.49	0.2521	1	1357.743	1
Narowal	Narowal	Ghota Fateh Garh QH	Kot Lakha Singh PC	Pakhoke	2711.80	0.2517	1	1355.902	1
Narowal	Zafarwal	Lesar Kalan QH	Binhal PC	Aziz Pur	2710.58	0.2516	1	1355.288	1
Narowal	Narowal	Rayya QH	Bhenian PC	Bhenian	2686.02	0.2494	1	1343.012	1

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Narowal	Zafarwal	Dham Thal QH	Soian PC	Langar Ke	2665.15	0.2474	1	1332.577	1
Narowal	Narowal	Rayya QH	Narang China No 1 PC	Narang China	2638.15	0.2449	1	1319.073	1
Narowal	Shakargarh	Kot Nainan QH	Bheri Kalan Ii PC	Bheri Kalan	2630.78	0.2442	1	1315.390	1
Narowal	Shakargarh	Masroor QH	Chhamal No 1 PC	Rato Chak	2613.59	0.2426	1	1306.797	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhabli Wala PC	Sadiqabad	2595.18	0.2409	1	1297.590	1
Narowal	Narowal	Rayya QH	Jeewan Bhindar PC	Qila Mandiala	2577.99	0.2393	1	1288.997	1
Narowal	Narowal	Narowal Ii QH	Mayudata No I PC	Mayudata	2573.08	0.2389	1	1286.541	1
Narowal	Narowal	Talwandi Bhind Ran QH	Mian Wali No I PC	Mianwali	2564.49	0.2381	1	1282.245	1
Narowal	Narowal	Ghota Fateh Garh QH	Ghota Fateh Garh PC	Pong	2564.49	0.2381	1	1282.245	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Thikaryan Kalan	2558.35	0.2375	1	1279.176	1
Narowal	Narowal	Talwandi Bhind Ran QH	Nidoke PC	Maiga Khara	2523.98	0.2343	1	1261.989	1
Narowal	Zafarwal	Zafarwal QH	Jandyala PC	Jandyala	2521.52	0.2341	1	1260.761	1
Narowal	Shakargarh	Masroor QH	Sukho Chak PC	Sangran	2520.30	0.2340	1	1260.148	1
Narowal	Narowal	Ahmed Abad QH	Ahmedabad PC	Gill	2503.11	0.2324	1	1251.554	1
Narowal	Narowal	Narowal Ii QH	Sademade PC	Ishar Mahade	2458.91	0.2283	1	1229.457	1
Narowal	Zafarwal	Dham Thal QH	Budha Pind PC	Dauwalah	2434.36	0.2260	1	1217.181	1
Narowal	Narowal	Talwandi Bhind Ran QH	Dharg Mianah PC	Dharg Mianah	2430.68	0.2256	1	1215.340	1
Narowal	Shakargarh	Shakargarh Ii QH	Bhati Afghana PC	Bhati Afghana	2430.68	0.2256	1	1215.340	1
Narowal	Narowal	Ahmed Abad QH	Domalah PC	Shahbdeki	2425.77	0.2252	1	1212.884	1
Narowal	Narowal	Talwandi Bhind Ran QH	Datewali PC	Datewal	2423.31	0.2250	1	1211.657	1
Narowal	Shakargarh	Shakargarh Ii QH	Khanna No Ii PC	Said Pur	2415.95	0.2243	1	1207.974	1
Narowal	Zafarwal	Dham Thal QH	Ferozepur PC	Ferozepur	2414.72	0.2242	1	1207.360	1
Narowal	Shakargarh	Shakargarh Ii QH	Sakmal I PC	Chak Nahra	2413.49	0.2241	1	1206.746	1
Narowal	Zafarwal	Zafarwal QH	Baja Pur PC	Tairah	2409.81	0.2237	1	1204.905	1
Narowal	Shakargarh	Masroor QH	Gharuta PC	Keeratpur	2403.67	0.2231	1	1201.836	1
Narowal	Narowal	Narowal Ii QH	Ladhewala PC	Ladhewala	2402.44	0.2230	1	1201.222	1

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Narowal	Narowal	Narowal Ii QH	Jajanwala PC	Jajanwala	2396.31	0.2225	1	1198.153	1
Narowal	Shakargarh	Shakargarh I QH	Shakargarh PC	Jam Wal	2391.40	0.2220	1	1195.698	1
Narowal	Shakargarh	Dudhu Chak QH	Gum Tala PC	Choura	2374.21	0.2204	1	1187.105	1
Narowal	Narowal	Talwandi Bhind Ran QH	Talwandi Bhindran PC	Baleke Kalan	2372.98	0.2203	1	1186.491	1
Narowal	Shakargarh	Masroor QH	Jalala PC	Jalala	2360.71	0.2192	1	1180.353	1
Narowal	Shakargarh	Dudhu Chak QH	Mello Seloo PC	Melloo Seloo	2358.25	0.2189	1	1179.125	1
Narowal	Shakargarh	Shakargarh I QH	Shakargarh PC	Mardo Wal	2350.88	0.2182	1	1175.442	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 1 PC	Pindori Dhonda	2348.43	0.2180	1	1174.215	1
Narowal	Shakargarh	Kot Nainan QH	Sultan Pur PC	Sultan Pur Majooa	2341.06	0.2173	1	1170.532	1
Narowal	Shakargarh	Shakargarh I QH	Chatrana Ii PC	Pindi Manan	2331.24	0.2164	1	1165.621	1
Narowal	Shakargarh	Dudhu Chak QH	Saryia PC	Saryia	2330.01	0.2163	1	1165.007	1
Narowal	Narowal	Rayya QH	Kalaswali No Ii PC	Bhelowali	2322.65	0.2156	1	1161.325	1
Narowal	Zafarwal	Zafarwal QH	Jandran PC	Jandran	2320.19	0.2154	1	1160.097	1
Narowal	Zafarwal	Dham Thal QH	Waryam PC	Waryam	2303.01	0.2138	1	1151.504	1
Narowal	Zafarwal	Lesar Kalan QH	Darman No 1 PC	Nawan Pind	2282.14	0.2119	1	1141.069	1
Narowal	Narowal	Ghota Fateh Garh QH	Sadhwan No 2 PC	Saidoke	2279.68	0.2116	1	1139.841	1
Narowal	Shakargarh	Kanjror QH	Kanjror PC	Mianwali	2279.68	0.2116	1	1139.841	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Wadhala	2260.04	0.2098	1	1130.020	1
Narowal	Shakargarh	Dudhu Chak QH	Bhowani Pur PC	Fazil Pur	2253.90	0.2092	1	1126.951	1
Narowal	Shakargarh	Shakargarh Ii QH	Morli PC	Natlah Kalan	2252.68	0.2091	1	1126.338	1
Narowal	Shakargarh	Dudhu Chak QH	Jhangi No 1 PC	Jhangi	2250.22	0.2089	1	1125.110	1
Narowal	Zafarwal	Zafarwal QH	Lehri Kalan No 1 PC	Sakror	2245.31	0.2084	1	1122.655	1
Narowal	Shakargarh	Kanjror QH	Mandi Khel PC	Mandi Khel	2240.40	0.2080	1	1120.199	1
Narowal	Shakargarh	Masroor QH	Chhamal No 2 PC	Jhangarwan	2237.94	0.2078	1	1118.972	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No I PC	Kohlian	2229.35	0.2070	1	1114.675	1
Narowal	Narowal	Talwandi Bhind Ran QH	Raoke PC	Raoke	2226.90	0.2067	1	1113.448	1
Narowal	Shakargarh	Shakargarh I QH	Sikkareali PC	Majra	2221.98	0.2063	1	1110.992	1

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Narowal	Narowal	Ahmed Abad QH	Bubak PC	Data Goraya	2220.76	0.2062	1	1110.379	1
Narowal	Shakargarh	Kot Nainan QH	Sojowal PC	Sojowal	2215.85	0.2057	1	1107.923	1
Narowal	Shakargarh	Kot Nainan QH	Lalian PC	Lalian	2207.25	0.2049	1	1103.627	1
Narowal	Shakargarh	Masroor QH	Gharuta PC	Gharuta	2202.34	0.2045	1	1101.171	1
Narowal	Zafarwal	Lesar Kalan QH	Bher PC	Bher	2202.34	0.2045	1	1101.171	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Sadwal	2198.66	0.2041	1	1099.330	1
Narowal	Shakargarh	Dudhu Chak QH	Sahari PC	Gandiala	2193.75	0.2037	1	1096.875	1
Narowal	Zafarwal	Dham Thal QH	Bado PC	Lotar	2193.75	0.2037	1	1096.875	1
Narowal	Zafarwal	Lesar Kalan QH	Bara Pind I PC	Bara Pind	2183.93	0.2027	1	1091.964	1
Narowal	Shakargarh	Masroor QH	Akhlas Pur PC	Khan	2181.47	0.2025	1	1090.737	1
Narowal	Zafarwal	Zafarwal QH	Mararah PC	Amral	2180.25	0.2024	1	1090.123	1
Narowal	Narowal	Narowal Ii QH	Ladhewala PC	Saharan	2170.42	0.2015	1	1085.212	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhabli Wala PC	Ratian	2161.83	0.2007	1	1080.916	1
Narowal	Shakargarh	Shakargarh I QH	Dhabwala PC	Dhabwala	2155.69	0.2001	1	1077.847	1
Narowal	Narowal	Talwandi Bhind Ran QH	Halowal PC	Gopal Pur	2147.10	0.1993	1	1073.550	1
Narowal	Narowal	Rayya QH	Jeewan Bhindar PC	Jeewan Bhindar	2144.64	0.1991	1	1072.322	1
Narowal	Shakargarh	Dudhu Chak QH	Babral PC	Ranial	2144.64	0.1991	1	1072.322	1
Narowal	Shakargarh	Shakargarh Ii QH	Din Pur Khurd PC	Banial	2133.60	0.1981	1	1066.798	1
Narowal	Narowal	Talwandi Bhind Ran QH	Khakhah PC	Gangohar	2132.37	0.1980	1	1066.184	1
Narowal	Zafarwal	Dham Thal QH	Munda Bajwa PC	Bola Bajwa	2132.37	0.1980	1	1066.184	1
Narowal	Narowal	Ahmed Abad QH	Dhang No 2 PC	Bhojo Dhand Sah	2127.46	0.1975	1	1063.729	1
Narowal	Narowal	Rayya QH	Kalaswali No I PC	Gadian	2127.46	0.1975	1	1063.729	1
Narowal	Shakargarh	Bara Manga QH	Walipur Bura PC	Wali Pur Bura	2125.00	0.1973	1	1062.502	1
Narowal	Narowal	Rayya QH	Baryar PC	Kani Jaffar Abad	2116.41	0.1965	1	1058.205	1
Narowal	Zafarwal	Zafarwal QH	Sapanwal PC	Rajowal	2107.82	0.1957	1	1053.908	1
Narowal	Shakargarh	Dudhu Chak QH	Dudhu Chak No Ii PC	Ladhial	2105.36	0.1954	1	1052.681	1
Narowal	Shakargarh	Dudhu Chak QH	Tola PC	Paila Gojran	2098.00	0.1948	1	1048.998	1

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Narowal	Narowal	Narowal I QH	Chandowal PC	Dale Pur	2095.54	0.1945	1	1047.770	1
Narowal	Shakargarh	Dudhu Chak QH	Tola PC	Paila Dogra	2089.40	0.1940	1	1044.701	1
Narowal	Zafarwal	Lesar Kalan QH	Lohara PC	Saincha	2089.40	0.1940	1	1044.701	1
Narowal	Shakargarh	Dudhu Chak QH	Mandiala PC	Mandiala	2084.49	0.1935	1	1042.246	1
Narowal	Zafarwal	Dham Thal QH	Soian PC	Jamke	2077.13	0.1928	1	1038.563	1
Narowal	Zafarwal	Lesar Kalan QH	Niki Ii PC	Barari	2069.76	0.1921	1	1034.880	1
Narowal	Zafarwal	Zafarwal QH	Jandyala PC	Mirza Pur	2069.76	0.1921	1	1034.880	1
Narowal	Shakargarh	Shakargarh I QH	Dosri PC	Bambo	2068.53	0.1920	1	1034.266	1
Narowal	Narowal	Narowal Ii QH	Jajanwala PC	Nangal Jamshed	2062.39	0.1915	1	1031.197	1
Narowal	Narowal	Talwandi Bhind Ran QH	Nidoke PC	Lehlian	2051.35	0.1904	1	1025.673	1
Narowal	Narowal	Ahmed Abad QH	Kotli Mohammad Siddiq PC	Musalmani	2047.66	0.1901	1	1023.832	1
Narowal	Narowal	Talwandi Bhind Ran QH	Dharg Mianah PC	Kalghana	2039.07	0.1893	1	1019.535	1
Narowal	Zafarwal	Zafarwal QH	Agwal PC	Agwal	2021.88	0.1877	1	1010.942	1
Narowal	Shakargarh	Kanjror QH	Jatar PC	Fateh Pur Ditan	2020.66	0.1876	1	1010.328	1
Narowal	Shakargarh	Dudhu Chak QH	Malha PC	Tondi	2019.43	0.1875	1	1009.714	1
Narowal	Shakargarh	Kanjror QH	Langah PC	Bhatian	2016.97	0.1872	1	1008.486	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 2 PC	Balian	2008.38	0.1864	1	1004.190	1
Narowal	Narowal	Narowal I QH	Khaka Kalas PC	Khaka Pada	2007.15	0.1863	1	1003.576	1
Narowal	Shakargarh	Masroor QH	Masroor No 2 PC	Bachhal	2005.92	0.1862	1	1002.962	1
Narowal	Narowal	Ghota Fateh Garh QH	Dhariwal No 1 PC	Borewali	2004.70	0.1861	1	1002.348	1
Narowal	Shakargarh	Shakargarh I QH	Phulwari PC	Tehra Gojran	1999.79	0.1856	1	999.893	1
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 1 PC	Gohd Pur	44886.55	12.5010	9	22443.274	12
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Agoke	37652.72	10.4863	7	18826.359	10
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 1 PC	Adalat Garh	30633.37	8.5314	6	15316.683	8
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 1 PC	Murad Pur	26511.35	7.3834	5	13255.676	7
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Bhoth	24280.29	6.7621	5	12140.143	7
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Bharath	23678.74	6.5946	5	11839.368	6

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Sialkot	Sialkot	Kotli Loharan QH	Gondal PC	Gondal	18215.29	3.3820	3	9107.646	5
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 2 PC	Shatab Garh	17630.24	3.2734	3	8815.120	5
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Pacci Kotli	17384.04	3.2276	3	8692.018	5
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 1 PC	Muzaffar Pur	17118.79	3.1784	3	8559.397	5
Sialkot	Daska	Wadala Sandoan QH	Satrah No 1 PC	Satrah	16837.06	3.1261	3	8418.528	5
Sialkot	Daska	Wadala Sandoan QH	Siran Wali PC	Siran Wali	16568.01	3.0761	3	8284.004	5
Sialkot	Sambrial	Sambrial QH	Jethike PC	Jethike	16437.29	3.0519	3	8218.646	5
Sialkot	Daska	Daska Ii QH	Metran Wali No 1 PC	Metran Wali	14795.09	2.7470	3	7397.543	4
Sialkot	Daska	Daska Ii QH	Gojra No 1 PC	Gojra	14493.04	2.6909	3	7246.521	4
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Nawan Pind	14177.04	2.6322	3	7088.519	4
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 1 PC	Bokan	14018.40	2.6028	3	7009.200	4
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Harar	13919.41	2.5844	3	6959.706	4
Sialkot	Daska	Daska I QH	Daska Khas No 1 PC	Daska Khas	13796.31	2.5615	3	6898.155	4
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 1 PC	Sahu Wala	13730.32	2.5493	3	6865.158	4
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Akbar Abad	13377.51	2.4838	3	6688.754	4
Sialkot	Daska	Mirza Goraya QH	Ghoinke PC	Ghoinke	13249.33	2.4600	3	6624.665	4
Sialkot	Daska	Mirza Goraya QH	Adha PC	Adha	13116.08	2.4352	3	6558.038	4
Sialkot	Sambrial	Sambrial QH	Jethike PC	Jhamat	13065.31	2.4258	3	6532.656	4
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 2 PC	Kor Pur	13038.66	2.4209	3	6519.331	4
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 1 PC	Dalu Wali	12986.63	2.4112	3	6493.314	4
Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 1 PC	Kila Subha Singh	12953.63	2.4051	3	6476.816	4
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 2 PC	Malika Kalan	12571.63	2.3341	3	6285.817	4
Sialkot	Daska	Daska I QH	Glotian Khurd PC	Glotian Khurd	12448.53	2.3113	3	6224.266	4
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Dhale Wali	12358.43	2.2946	3	6179.214	4
Sialkot	Daska	Mirza Goraya QH	Aallo Mahar PC	Amawatra	11633.78	2.1600	3	5816.888	3
Sialkot	Daska	Daska I QH	Adamke PC	Adamke	11525.90	2.1400	3	5762.951	3
Sialkot	Daska	Daska I QH	Jaisar Wala PC	Jaisar Wala	11464.99	2.1287	3	5732.493	3

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Sialkot	Pasrur	Pasrur I QH	Banbajwah PC	Banbajwah	11214.97	2.0823	3	5607.487	3
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 1 PC	Buttar	11024.61	2.0469	3	5512.305	3
Sialkot	Pasrur	Chawinda QH	Budyana PC	Budyana	15782.44	2.9303	2	7891.220	4
Sialkot	Daska	Daska I QH	Glotian Kalan PC	Glotian Kalan	15749.44	2.9242	2	7874.722	4
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 2 PC	Jai Ram Pur	15551.47	2.8874	2	7775.733	4
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 1 PC	Wadala Sandoan	15443.59	2.8674	2	7721.796	4
Sialkot	Daska	Daska I QH	Mandran Wala No 1 PC	Mandran Wala	15001.95	2.7854	2	7500.974	4
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 2 PC	Bawariana	10596.93	1.9675	2	5298.463	3
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 1 PC	Marakewal	10577.89	1.9640	2	5288.945	3
Sialkot	Daska	Budha Goraya QH	Malo Mahi PC	Malo Mahi	10307.57	1.9138	2	5153.786	3
Sialkot	Pasrur	Saukanwind QH	Saukanwind PC	Saukanwind	10209.85	1.8956	2	5104.926	3
Sialkot	Daska	Daska Ii QH	Sindhan Wala PC	Kandan Sian	10173.05	1.8888	2	5086.525	3
Sialkot	Daska	Daska Ii QH	Bamanwala PC	Bamban Wala	9905.27	1.3793	2	4952.635	3
Sialkot	Pasrur	Choubara QH	Choubara PC	Choubara	9892.58	1.3775	2	4946.290	3
Sialkot	Daska	Budha Goraya QH	Mondeke PC	Mondeke	9614.65	1.3388	2	4807.324	3
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Langriali	9553.73	1.3304	2	4776.866	3
Sialkot	Sambrial	Gojra QH	Kharolian Aslampur PC	Kharolian (Aslampur)	9435.71	1.3139	2	4717.853	3
Sialkot	Sialkot	Sialkot Ii QH	Ganjian Wali Kalan PC	Dulachike	9143.81	1.2733	2	4571.907	3
Sialkot	Daska	Wadala Sandoan QH	Siran Wali PC	Mian Wali	9123.51	1.2705	2	4561.755	3
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Hundal	9086.71	1.2653	2	4543.353	3
Sialkot	Daska	Budha Goraya QH	Kanwanlit PC	Dhedo Wali	8850.65	1.2325	2	4425.327	3
Sialkot	Sialkot	Khambrawala QH	Kapuro Wali PC	Kapuro Wali	8808.77	1.2266	2	4404.387	3
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Machrala	8694.56	1.2107	2	4347.278	3
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Bhiko Chur	8642.52	1.2035	2	4321.262	3
Sialkot	Sambrial	Dhanan Wali QH	Roras PC	Roras	8598.10	1.1973	2	4299.052	3
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 1 PC	Dhera Sandha	8541.00	1.1893	2	4270.498	3

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Sialkot	Sambrial	Sambrial QH	Randheer PC	Randheer	8416.62	1.1720	2	4208.312	3
Sialkot	Sialkot	Sialkot I QH	Moman No 2 PC	Miani	8284.64	1.1536	2	4142.319	3
Sialkot	Daska	Mirza Goraya QH	Aallo Mahar PC	Aallo Mahar	8231.34	1.1462	2	4115.668	3
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Rahim Pur	8180.57	1.1391	2	4090.287	3
Sialkot	Sialkot	Gunna Kalan QH	Ora No 1 PC	Ora	8115.85	1.1301	2	4057.925	3
Sialkot	Daska	Budha Goraya QH	Budha Goraya PC	Budha Goraya	7990.21	1.1126	2	3995.105	2
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Malkhan Wala	7978.79	1.1111	2	3989.394	2
Sialkot	Daska	Daska I QH	Musewala PC	Ranjhai	7976.25	1.1107	2	3988.125	2
Sialkot	Pasrur	Class Wala QH	Dhodah PC	Dhodah	7920.41	1.1029	2	3960.205	2
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Machhi Khokhar	7902.64	1.1004	2	3951.321	2
Sialkot	Daska	Budha Goraya QH	Lahorike PC	Lahorike	7887.41	1.0983	2	3943.706	2
Sialkot	Pasrur	Chawinda QH	Mondeki Berian PC	Mondeki Berian	7793.50	1.0852	2	3896.750	2
Sialkot	Pasrur	Kingra QH	Siowal PC	Sio Wal	7699.59	1.0722	2	3849.793	2
Sialkot	Sialkot	Sialkot I QH	Haji Pura No 2 PC	Doburji Malian	7652.63	1.0656	2	3826.315	2
Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 2 PC	Data Zaid Ka	7618.37	1.0609	2	3809.183	2
Sialkot	Daska	Daska Ii QH	Othian PC	Othian	7598.06	1.0580	2	3799.030	2
Sialkot	Daska	Mirza Goraya QH	Piro Chak PC	Piro Chak	7587.91	1.0566	2	3793.953	2
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 1 PC	Kotli Bahram	7528.26	1.0483	2	3764.130	2
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Mahal Lehlian	7472.42	1.0405	2	3736.210	2
Sialkot	Daska	Budha Goraya QH	Kanwanlit PC	Kanwan Lit	7431.81	1.0349	2	3715.904	2
Sialkot	Sialkot	Sialkot I QH	Partan Wali PC	Partan Wali	7378.51	1.0275	2	3689.253	2
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No I PC	Jodhala	7292.21	1.0154	2	3646.104	2
Sialkot	Pasrur	Class Wala QH	Bholer No 2 PC	Chhachheriali	7287.13	1.0147	2	3643.566	2
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Ladhar	7254.14	1.0101	2	3627.068	2
Sialkot	Daska	Wadala Sandoan QH	Chhangi PC	Mokhal	4998.96	0.4641	1	2499.479	3
Sialkot	Sambrial	Gojra QH	Ghartal PC	Ghartal	4998.96	0.4641	1	2499.479	3
Sialkot	Pasrur	Saukanwind QH	Maloke No I PC	Menga	4962.15	0.4607	1	2481.077	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Jorian Kalan	4960.88	0.4605	1	2480.442	3
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Nangal	4953.27	0.4598	1	2476.635	3
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Rahim Pur Kichian	4949.46	0.4595	1	2474.731	3
Sialkot	Sialkot	Chaprar Khas QH	Ahmal Pur PC	Sedrah Khurd	4892.35	0.4542	1	2446.177	3
Sialkot	Daska	Wadala Sandoan QH	Virwala PC	Vir Wala	4860.63	0.4512	1	2430.313	3
Sialkot	Pasrur	Pasrur Ii QH	Ferozeke PC	Ferozeke	4855.55	0.4508	1	2427.775	3
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Rai Pur	4849.20	0.4502	1	2424.602	3
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Patesar	4811.13	0.4466	1	2405.566	3
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 2 PC	Rattian	4792.09	0.4449	1	2396.047	3
Sialkot	Sambrial	Dhanan Wali QH	Hamboke PC	Saido Wali	4790.83	0.4448	1	2395.413	3
Sialkot	Pasrur	Choubara QH	Charwah No I PC	Charwah	4740.06	0.4400	1	2370.031	3
Sialkot	Sialkot	Kotli Loharan QH	Gujral PC	Gujral	4737.52	0.4398	1	2368.762	3
Sialkot	Pasrur	Chawinda QH	Chawinda PC	Chawinda	4728.64	0.4390	1	2364.320	3
Sialkot	Sambrial	Sambrial QH	Majra Kalan PC	Majra Kalan	4698.18	0.4361	1	2349.091	3
Sialkot	Pasrur	Saukanwind QH	Maloke No Ii PC	Malo Ke	4693.11	0.4357	1	2346.553	3
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 1 PC	Gul Bahar Khurd	4675.34	0.4340	1	2337.669	3
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 1 PC	Cantt. Sulhrian	4661.38	0.4327	1	2330.689	3
Sialkot	Sialkot	Kotli Loharan QH	Gujral PC	Pindi Panjoran	4624.57	0.4293	1	2312.287	3
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Sahowali	4608.08	0.4278	1	2304.038	3
Sialkot	Daska	Budha Goraya QH	Rachara PC	Panjgrain	4601.73	0.4272	1	2300.866	3
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Rattah Jhatol	4544.62	0.4219	1	2272.311	3
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Rurki Kalan	4543.35	0.4218	1	2271.676	3
Sialkot	Pasrur	Kingra QH	Jhatoke PC	Mehtab Pur Hanjli	4516.70	0.4193	1	2258.351	3
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 1 PC	Chhanga	4497.67	0.4175	1	2248.833	3
Sialkot	Daska	Wadala Sandoan QH	Sekhwan PC	Jharanwala	4497.67	0.4175	1	2248.833	3
Sialkot	Daska	Mirza Goraya QH	Udowar PC	Rajoke	4488.78	0.4167	1	2244.391	3
Sialkot	Pasrur	Saukanwind QH	Gaythlian PC	Ghutyalian	4459.59	0.4140	1	2229.796	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 1 PC	Chak Sadeu	4451.98	0.4133	1	2225.989	3
Sialkot	Daska	Daska Ii QH	Othian PC	Bobkan Wala	4410.10	0.4094	1	2205.049	3
Sialkot	Daska	Wadala Sandoan QH	Akbar PC	Akbar	4401.21	0.4086	1	2200.607	3
Sialkot	Pasrur	Kingra QH	Throh PC	Bhudhen Throh	4364.41	0.4052	1	2182.205	3
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Chak Rala	4361.87	0.4049	1	2180.936	3
Sialkot	Daska	Daska I QH	Dhamonke PC	Talhara	4333.95	0.4023	1	2166.976	3
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Viro Wala	4327.61	0.4017	1	2163.803	3
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Khambranwala	4322.53	0.4013	1	2161.265	3
Sialkot	Pasrur	Kingra QH	Jhatoke PC	Jhatoke	4321.26	0.4012	1	2160.631	3
Sialkot	Daska	Daska I QH	Glotian Kalan PC	Ghokal	4317.45	0.4008	1	2158.727	3
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Uddo Fatah	4312.38	0.4003	1	2156.189	3
Sialkot	Pasrur	Chawinda QH	Bheloke PC	Sohdreki	4304.76	0.3996	1	2152.382	3
Sialkot	Pasrur	Chawinda QH	Pourab Kaler PC	Pourab Kaler	4287.00	0.3980	1	2143.498	3
Sialkot	Daska	Budha Goraya QH	Rachara PC	Rachara	4281.92	0.3975	1	2140.960	3
Sialkot	Daska	Daska I QH	Raja Ghumaon PC	Kallah	4267.96	0.3962	1	2133.980	3
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 2 PC	Sidh	4236.23	0.3933	1	2118.116	3
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 1 PC	Saidan Wali	4232.43	0.3929	1	2116.213	3
Sialkot	Pasrur	Kingra QH	Baghaiari PC	Baghaiari	4209.58	0.3908	1	2104.791	3
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 2 PC	Kot Mandian Wala	4199.43	0.3898	1	2099.714	3
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 1 PC	Malhu Chhat	4180.39	0.3881	1	2090.196	3
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Sohawa	4179.12	0.3880	1	2089.562	3
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Kot Ghuman	4162.62	0.3864	1	2081.312	3
Sialkot	Daska	Budha Goraya QH	Malo Mahi PC	Daleke	4160.09	0.3862	1	2080.043	3
Sialkot	Daska	Daska Ii QH	Bamanwala PC	Nika Killa	4157.55	0.3860	1	2078.774	3
Sialkot	Daska	Wadala Sandoan QH	Marhana PC	Marhana	4138.51	0.3842	1	2069.256	3
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Pathan Wali	4138.51	0.3842	1	2069.256	3
Sialkot	Pasrur	Choubara QH	Galanwala PC	Mandiala	4134.70	0.3838	1	2067.352	3

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Daska	Daska I QH	Musewala PC	Changa	4124.55	0.3829	1	2062.276	3
Sialkot	Sialkot	Chaprar Khas QH	Saleh Pur PC	Saleh Pur	4094.09	0.3801	1	2047.047	3
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Mirza Pur Bajwah	4076.33	0.3784	1	2038.163	3
Sialkot	Sialkot	Chaprar Khas QH	Zahoora PC	Kotli Said Mir	4068.71	0.3777	1	2034.356	3
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Kala Harawan	4067.44	0.3776	1	2033.721	3
Sialkot	Pasrur	Chawinda QH	Godgor PC	Godgor	4045.87	0.3756	1	2022.934	3
Sialkot	Sialkot	Chaprar Khas QH	Chappar Khas PC	Najwal	4043.33	0.3754	1	2021.665	3
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 1 PC	Balo Chak	4030.64	0.3742	1	2015.320	3
Sialkot	Sialkot	Chaprar Khas QH	Chappar Khas PC	Chaprar Khas	4023.02	0.3735	1	2011.512	3
Sialkot	Sialkot	Gunna Kalan QH	Bhagowal PC	Bhagowal	7160.22	0.9971	1	3580.111	2
Sialkot	Daska	Budha Goraya QH	Koreke PC	Koreke	7150.07	0.9957	1	3575.035	2
Sialkot	Pasrur	Kingra QH	Sabaz Kot No I PC	Sabaz Kot	7123.42	0.9919	1	3561.709	2
Sialkot	Pasrur	Chawinda QH	Jassoran PC	Jassoran	7105.65	0.9895	1	3552.826	2
Sialkot	Daska	Daska I QH	Dhamonke PC	Dhamonke	6960.97	0.9693	1	3480.487	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 1 PC	Bhagwal Awanan	6922.90	0.9640	1	3461.451	2
Sialkot	Sialkot	Sialkot Ii QH	Moman No I PC	Jalian Wala	6828.99	0.9509	1	3414.495	2
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Chanun Mom	6792.19	0.9458	1	3396.093	2
Sialkot	Daska	Budha Goraya QH	Mondeke PC	Dhado Basra	6743.96	0.9391	1	3371.980	2
Sialkot	Sambrial	Sambrial QH	Saranke PC	Saranke	6700.81	0.9331	1	3350.405	2
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Badhal	6634.82	0.9239	1	3317.409	2
Sialkot	Sambrial	Dhanan Wali QH	Kalowal PC	Kalowal	6629.74	0.9232	1	3314.871	2
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No Ii PC	Kotli Faqir Chand	6558.67	0.9133	1	3279.336	2
Sialkot	Sialkot	Sialkot Ii QH	Moman No I PC	Moman Kalan	6525.68	0.9087	1	3262.838	2
Sialkot	Daska	Daska Ii QH	Jandosahi PC	Jandosahi	6507.91	0.9062	1	3253.954	2
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Charind	6479.99	0.9023	1	3239.994	2
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 1 PC	Matan Wala	6408.92	0.8924	1	3204.460	2
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Ballan Wala	6353.08	0.8847	1	3176.540	2

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Sialkot	Daska	Mirza Goraya QH	Adha PC	Bir	6340.39	0.8829	1	3170.194	2
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 1 PC	Noshehra	6270.59	0.8732	1	3135.294	2
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Paropi	6247.74	0.8700	1	3123.872	2
Sialkot	Pasrur	Kingra QH	Shahzadah PC	Shahzadah	6241.40	0.8691	1	3120.700	2
Sialkot	Pasrur	Choubara QH	Galanwala PC	Galanwala	6155.10	0.8571	1	3077.550	2
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Kotla	6152.56	0.8567	1	3076.281	2
Sialkot	Sambrial	Sambrial QH	Kopra PC	Kopra	6138.60	0.8548	1	3069.301	2
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 1 PC	Gunna Kalan	6028.19	0.8394	1	3014.096	2
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Chak Budhu	6025.65	0.8391	1	3012.827	2
Sialkot	Sambrial	Sambrial QH	Saranke PC	Kotli Khokhran	5962.20	0.8302	1	2981.099	2
Sialkot	Sambrial	Gojra QH	Dhillam No Ii PC	Balgan	5930.47	0.8258	1	2965.236	2
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 1 PC	Chatti Sheikhan	5910.17	0.8230	1	2955.083	2
Sialkot	Pasrur	Choubara QH	Chahar Bajwa PC	Chahar	5875.90	0.8182	1	2937.950	2
Sialkot	Pasrur	Kingra QH	Dogri Harian PC	Dogri Harian	5872.09	0.8177	1	2936.047	2
Sialkot	Sambrial	Gojra QH	Badoke PC	Badoke	5855.59	0.8154	1	2927.797	2
Sialkot	Daska	Mirza Goraya QH	Targa PC	Targa	5794.68	0.8069	1	2897.339	2
Sialkot	Sambrial	Sambrial QH	Kothiala PC	Kothiala	5783.26	0.8053	1	2891.628	2
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Gul Bahar Kalan	5742.65	0.7997	1	2871.323	2
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 2 PC	Kharota	5741.38	0.7995	1	2870.688	2
Sialkot	Pasrur	Choubara QH	Pindi Bhago PC	Pindi Bhago	5709.65	0.7951	1	2854.825	2
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Sahu Wali	5591.62	0.7786	1	2795.812	2
Sialkot	Daska	Mirza Goraya QH	Adha PC	Hepo Garha	5580.20	0.7770	1	2790.101	2
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 2 PC	Bhabrian Wala	5493.90	0.7650	1	2746.952	2
Sialkot	Sialkot	Chaprar Khas QH	Rawal PC	Chak Jogu	5471.06	0.7618	1	2735.530	2
Sialkot	Daska	Wadala Sandoan QH	Salhoke PC	Ram Rayan Khurd	5448.22	0.7587	1	2724.108	2
Sialkot	Pasrur	Class Wala QH	Bholer No 1 PC	Bholer	5430.45	0.7562	1	2715.224	2
Sialkot	Sambrial	Gojra QH	Bhola Musa PC	Bhola Musa	5408.87	0.7532	1	2704.437	2

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Sialkot	Daska	Daska I QH	Musewala PC	Bharoke	5407.61	0.7530	1	2703.803	2
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 1 PC	Nawan Pind	5383.49	0.7497	1	2691.746	2
Sialkot	Daska	Daska Ii QH	Bhadewala PC	Bhadewala	5377.15	0.7488	1	2688.573	2
Sialkot	Sialkot	Chaprar Khas QH	Ahmal Pur PC	Sedrah Kalan	5375.88	0.7486	1	2687.939	2
Sialkot	Sambrial	Sambrial QH	Majra Kalan PC	Bhakariali	5372.07	0.7481	1	2686.035	2
Sialkot	Sambrial	Dhanan Wali QH	Kaurowal PC	Mander Khurd	5275.62	0.7346	1	2637.810	2
Sialkot	Sialkot	Chaprar Khas QH	Ahmal Pur PC	Ahmal Pur	5243.89	0.7302	1	2621.946	2
Sialkot	Sialkot	Phoklian QH	Pul Bajwan PC	Pul Bajwan	5242.62	0.7300	1	2621.311	2
Sialkot	Daska	Budha Goraya QH	Gajj PC	Dogri	5233.74	0.7288	1	2616.870	2
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Dhanan Wali	5172.82	0.7203	1	2586.411	2
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Chabel Pur	5161.40	0.7187	1	2580.701	2
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 1 PC	Bheri	5146.17	0.7166	1	2573.086	2
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Khananwali	5139.83	0.7157	1	2569.913	2
Sialkot	Daska	Daska Ii QH	Goindke PC	Goindke	5115.71	0.7124	1	2557.857	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Naul	5114.44	0.7122	1	2557.222	2
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 2 PC	Kaman Wala	5109.37	0.7115	1	2554.684	2
Sialkot	Sialkot	Sialkot I QH	Moman No 2 PC	Sadrah Badrah	5092.87	0.7092	1	2546.435	2
Sialkot	Sialkot	Chaprar Khas QH	Zahoora PC	Zahoora	5089.06	0.7087	1	2544.531	2
Sialkot	Sialkot	Khambrawala QH	Kapuro Wali PC	Kala	5034.49	0.7011	1	2517.246	2
Sialkot	Daska	Mirza Goraya QH	Seoke PC	Seoke	5029.42	0.7003	1	2514.708	2
Sialkot	Daska	Mirza Goraya QH	Ghoinke PC	Kot Bhakhran	5001.50	0.6965	1	2500.748	2
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 2 PC	Rai Pur	3988.76	0.3703	1	1994.380	2
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Kassoo Wala	3955.76	0.3672	1	1977.881	2
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 2 PC	Mahal Kingra	3930.38	0.3649	1	1965.190	2
Sialkot	Sambrial	Sambrial QH	Kauloke PC	Kot Dina	3885.96	0.3607	1	1942.981	2
Sialkot	Pasrur	Pasrur Ii QH	Ferozeke PC	Sorangi	3879.62	0.3602	1	1939.809	2
Sialkot	Sialkot	Chaprar Khas QH	Saleh Pur PC	Chaprar Bala	3850.43	0.3574	1	1925.214	2

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Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 1 PC	Sandrana	3847.89	0.3572	1	1923.945	2
Sialkot	Sambrial	Gojra QH	Dhillam No I PC	Dhillam	3837.74	0.3563	1	1918.869	2
Sialkot	Sialkot	Sialkot Ii QH	Ganjian Wali Kalan PC	Wiram	3818.70	0.3545	1	1909.350	2
Sialkot	Sambrial	Gojra QH	Ghartal PC	Wan	3807.28	0.3534	1	1903.639	2
Sialkot	Daska	Daska I QH	Glotian Khurd PC	Nanoke	3804.74	0.3532	1	1902.370	2
Sialkot	Pasrur	Kingra QH	Lulyal PC	Darwal	3799.66	0.3527	1	1899.832	2
Sialkot	Daska	Daska Ii QH	Jandosahi PC	Malian Wala	3781.90	0.3511	1	1890.949	2
Sialkot	Sialkot	Kotli Loharan QH	Kotli Loharan No 1 PC	Bhullo	3764.13	0.3494	1	1882.065	2
Sialkot	Daska	Budha Goraya QH	Budha Goraya PC	Cheleke	3737.48	0.3470	1	1868.739	2
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Mehdi Pur	3727.33	0.3460	1	1863.663	2
Sialkot	Sialkot	Sialkot I QH	Pacci Kotli PC	Anjotar	3722.25	0.3456	1	1861.125	2
Sialkot	Sambrial	Sambrial QH	Kauloke PC	Kauloke	3709.56	0.3444	1	1854.779	2
Sialkot	Sambrial	Dhanan Wali QH	Hamboke PC	Kot Maharaj	3696.87	0.3432	1	1848.434	2
Sialkot	Sialkot	Phoklian QH	Chak Santal PC	Chak Santal	3686.72	0.3423	1	1843.358	2
Sialkot	Daska	Daska Ii QH	Othian PC	Burj Araina	3684.18	0.3420	1	1842.088	2
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Kala Khambra	3672.76	0.3410	1	1836.378	2
Sialkot	Pasrur	Chawinda QH	Bheloke PC	Bhelo Ke	3670.22	0.3407	1	1835.108	2
Sialkot	Sialkot	Phoklian QH	Phoklian PC	Phokalian	3642.30	0.3381	1	1821.148	2
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 2 PC	Gopal Pur	3635.95	0.3375	1	1817.976	2
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 2 PC	Gunna Khurd	3599.15	0.3341	1	1799.574	2
Sialkot	Sialkot	Chaprar Khas QH	Rawal PC	Rawal	3597.88	0.3340	1	1798.939	2
Sialkot	Pasrur	Pasrur Ii QH	Panwana PC	Panwana	3594.07	0.3337	1	1797.036	2
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Ghatto Rora	3585.19	0.3328	1	1792.594	2
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Chak Kuba	3583.92	0.3327	1	1791.959	2
Sialkot	Daska	Daska Ii QH	Sindhan Wala PC	Sindhan Wala	3582.65	0.3326	1	1791.325	2
Sialkot	Daska	Wadala Sandoan QH	Chak Aggu PC	Aggu Chak	3582.65	0.3326	1	1791.325	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No I PC	Dulam Kalowan	3561.07	0.3306	1	1780.537	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Kotli Bhotta	3558.54	0.3304	1	1779.268	2
Sialkot	Daska	Mirza Goraya QH	Aallo Mahar PC	Bhelo Mahar	3554.73	0.3300	1	1777.365	2
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Hadali	3543.31	0.3289	1	1771.654	2
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Najo Chak	3542.04	0.3288	1	1771.019	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 1 PC	Dabola	3538.23	0.3285	1	1769.116	2
Sialkot	Daska	Budha Goraya QH	Jandoke PC	Jando Ke	3529.35	0.3276	1	1764.674	2
Sialkot	Daska	Wadala Sandoan QH	Akbar PC	Ram Pur	3515.39	0.3263	1	1757.694	2
Sialkot	Sialkot	Sialkot I QH	Partan Wali PC	Bhane Wali	3514.12	0.3262	1	1757.059	2
Sialkot	Pasrur	Choubara QH	Pindi Bhago PC	Sabez Pir	3511.58	0.3260	1	1755.790	2
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 1 PC	Hari Pur	3479.85	0.3230	1	1739.926	2
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Kotli Murlan	3476.05	0.3227	1	1738.023	2
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Mandian Wala	3476.05	0.3227	1	1738.023	2
Sialkot	Pasrur	Chawinda QH	Godgor PC	Joshan	3472.24	0.3223	1	1736.119	2
Sialkot	Sialkot	Gunna Kalan QH	Wadian Wala PC	Ratta	3468.43	0.3220	1	1734.216	2
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 2 PC	Dhane	3462.09	0.3214	1	1731.043	2
Sialkot	Pasrur	Pasrur Ii QH	Ramke PC	Ram Ke	3449.39	0.3202	1	1724.697	2
Sialkot	Daska	Mirza Goraya QH	Adha PC	Sehjo Kala	3403.71	0.3160	1	1701.854	2
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Musa Pur	3392.29	0.3149	1	1696.143	2
Sialkot	Daska	Daska I QH	Raja Ghumaon PC	Raja Ghumaon	3388.48	0.3146	1	1694.239	2
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Gadara	3382.13	0.3140	1	1691.066	2
Sialkot	Sambrial	Gojra QH	Godhala No I PC	Godhala	3371.98	0.3130	1	1685.990	2
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Randhawa	3366.90	0.3126	1	1683.452	2
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 1 PC	Jhulki	3321.22	0.3083	1	1660.608	2
Sialkot	Pasrur	Chawinda QH	Bheloke PC	Lalewali	3319.95	0.3082	1	1659.974	2
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Paropi	3313.60	0.3076	1	1656.801	2
Sialkot	Daska	Wadala Sandoan QH	Bhikhi PC	Bhikhi	3311.06	0.3074	1	1655.532	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Ranike	3311.06	0.3074	1	1655.532	2
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Wasan Ke	3307.26	0.3070	1	1653.628	2
Sialkot	Pasrur	Kingra QH	Shahzadah PC	Dhol	3292.03	0.3056	1	1646.014	2
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Doburji Chanda Singh	3283.14	0.3048	1	1641.572	2
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 2 PC	Parag Pur	3271.72	0.3037	1	1635.861	2
Sialkot	Sialkot	Chaprar Khas QH	Chappar Khas PC	Surag Pur	3267.91	0.3034	1	1633.957	2
Sialkot	Daska	Daska Ii QH	Bhadewala PC	Bhakriali	3257.76	0.3024	1	1628.881	2
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Kingrah	3220.96	0.2990	1	1610.479	2
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Nagoor	3214.61	0.2984	1	1607.306	2
Sialkot	Pasrur	Choubara QH	Choubara PC	Pindi Khurd	3214.61	0.2984	1	1607.306	2
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Kotli Hajipur	3213.34	0.2983	1	1606.672	2
Sialkot	Daska	Wadala Sandoan QH	Salhoke PC	Salhoke	3208.27	0.2978	1	1604.133	2
Sialkot	Sialkot	Sialkot Ii QH	Adalat Garh No 1 PC	Ganjian Wali	3207.00	0.2977	1	1603.499	2
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Dhudian Wali	3205.73	0.2976	1	1602.864	2
Sialkot	Daska	Daska I QH	Lodhe PC	Lodhe	3199.38	0.2970	1	1599.692	2
Sialkot	Pasrur	Chawinda QH	Mondeki Berian PC	Butar Sehj Din	3190.50	0.2962	1	1595.250	2
Sialkot	Pasrur	Kingra QH	Peral No Ii PC	Gogial	3179.08	0.2951	1	1589.539	2
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Kotli Bahadar Pur	3179.08	0.2951	1	1589.539	2
Sialkot	Pasrur	Chawinda QH	Alhar PC	Alhar	3176.54	0.2949	1	1588.270	2
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Kot Malian	3175.27	0.2948	1	1587.635	2
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 2 PC	Jahai	3160.04	0.2934	1	1580.021	2
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Bhate Kalan	3160.04	0.2934	1	1580.021	2
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Baqir Pur	3148.62	0.2923	1	1574.310	2
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Karol	3132.12	0.2908	1	1566.061	2
Sialkot	Daska	Mirza Goraya QH	Piro Chak PC	Daoke Khurd	3121.97	0.2898	1	1560.984	2
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Chak Putlian	3121.97	0.2898	1	1560.984	2
Sialkot	Daska	Mirza Goraya QH	Udowar PC	Chak Gillan	3115.62	0.2892	1	1557.812	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Sialkot Ii QH	Ganjian Wali Kalan PC	Ganjian Wali Kalan	3113.09	0.2890	1	1556.543	2
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Heer	3099.12	0.2877	1	1549.562	2
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Kalewali	3067.40	0.2848	1	1533.699	2
Sialkot	Daska	Mirza Goraya QH	Seoke PC	Mirza Goraya	3064.86	0.2845	1	1532.430	2
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Paharang Uncha	3061.05	0.2842	1	1530.526	2
Sialkot	Sialkot	Gunna Kalan QH	Wadian Wala PC	Wadian Wala	3058.51	0.2839	1	1529.257	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Dhattal	3058.51	0.2839	1	1529.257	2
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Kan Pur	3050.90	0.2832	1	1525.450	2
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Hail Bajwan	3047.09	0.2829	1	1523.546	2
Sialkot	Daska	Mirza Goraya QH	Targa PC	Bhalo Wali	3044.55	0.2826	1	1522.277	2
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 2 PC	Dharam Kot	3044.55	0.2826	1	1522.277	2
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Kul Bajwah	3031.86	0.2815	1	1515.932	2
Sialkot	Daska	Budha Goraya QH	Kanwanlit PC	Kotli Chamb Wali	3009.02	0.2793	1	1504.510	2
Sialkot	Sambrial	Dhanan Wali QH	Kalowal PC	Chak Mughal	3007.75	0.2792	1	1503.875	2
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Kapoor Pur	3002.67	0.2787	1	1501.337	2
Sialkot	Pasrur	Choubara QH	Khanoor PC	Sangial	3001.40	0.2786	1	1500.702	2
Sialkot	Daska	Budha Goraya QH	Jandoke PC	Sakho Ke	3000.14	0.2785	1	1500.068	2
Sialkot	Pasrur	Chawinda QH	Godgor PC	Wachhoke	3000.14	0.2785	1	1500.068	2
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Tawarian Wala	2998.87	0.2784	1	1499.433	2
Sialkot	Daska	Budha Goraya QH	Mondeke PC	Thatta Goraya	2995.06	0.2780	1	1497.530	2
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 2 PC	Kess	2995.06	0.2780	1	1497.530	2
Sialkot	Sialkot	Gunna Kalan QH	Bhroke PC	Bhroke	2989.98	0.2776	1	1494.992	2
Sialkot	Daska	Daska I QH	Raja Ghumaon PC	Watalian	2983.64	0.2770	1	1491.819	2
Sialkot	Daska	Mirza Goraya QH	Udowar PC	Udowar	2976.02	0.2763	1	1488.011	2
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Dogranwali	2972.22	0.2759	1	1486.108	2
Sialkot	Daska	Daska I QH	Jaisar Wala PC	Chak Gillan	2963.33	0.2751	1	1481.666	2
Sialkot	Sialkot	Sialkot Ii QH	Ganjian Wali Kalan PC	Dogran Wala	2960.79	0.2749	1	1480.397	2

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Sialkot	Daska	Wadala Sandoan QH	Chhanga No 1 PC	Bhagat Pur	2959.52	0.2747	1	1479.762	2
Sialkot	Daska	Budha Goraya QH	Gujarke No 1 PC	Dholewali	2953.18	0.2742	1	1476.590	2
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Kandan Pur	2953.18	0.2742	1	1476.590	2
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Saleem Pur	2948.10	0.2737	1	1474.051	2
Sialkot	Sialkot	Gunna Kalan QH	Bhroke PC	Sadharwali	2944.30	0.2733	1	1472.148	2
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Chuhar Munda	2935.41	0.2725	1	1467.706	2
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 1 PC	Bhakian Wala	2932.87	0.2723	1	1466.437	2
Sialkot	Pasrur	Choubara QH	Mairajke PC	Joian	2920.18	0.2711	1	1460.091	2
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Takhat Pur	2913.84	0.2705	1	1456.919	2
Sialkot	Sambrial	Dhanan Wali QH	Kaurowal PC	Kaurowal	2912.57	0.2704	1	1456.284	2
Sialkot	Daska	Mirza Goraya QH	Targa PC	Bahari Pur	2903.68	0.2696	1	1451.842	2
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No Ii PC	Rohela	2898.61	0.2691	1	1449.304	2
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Mali Pur	2894.80	0.2687	1	1447.401	2
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Palura Kalan	2890.99	0.2684	1	1445.497	2
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 1 PC	Dogran Khurd	2888.46	0.2681	1	1444.228	2
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Tibbi	2887.19	0.2680	1	1443.593	2
Sialkot	Pasrur	Kingra QH	Chahur PC	Chahur	2882.11	0.2676	1	1441.055	2
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Sahne Wali	2868.15	0.2663	1	1434.075	2
Sialkot	Daska	Mirza Goraya QH	Aallo Mahar PC	Kot Chadu	2866.88	0.2661	1	1433.440	2
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Pindi Ladoo	2845.31	0.2641	1	1422.653	2
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Sohavi	2821.19	0.2619	1	1410.597	2
Sialkot	Sambrial	Sambrial QH	Kauloke PC	Hadoke	2821.19	0.2619	1	1410.597	2
Sialkot	Sialkot	Gunna Kalan QH	Bhagowal PC	Gahoga	2818.66	0.2617	1	1409.328	2
Sialkot	Daska	Wadala Sandoan QH	Chhangi PC	Chhangi	2802.16	0.2601	1	1401.079	2
Sialkot	Sambrial	Sambrial QH	Kauloke PC	Majra Khurd	2802.16	0.2601	1	1401.079	2
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Lohar Ke	2783.12	0.2584	1	1391.560	2
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Dhillam Ghazi	2779.31	0.2580	1	1389.657	2

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Sialkot	Pasrur	Chawinda QH	Abdali PC	Lange	2776.78	0.2578	1	1388.388	2
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 2 PC	Chak Chohdu	2770.43	0.2572	1	1385.215	2
Sialkot	Sambrial	Dhanan Wali QH	Kaurowal PC	Mehat Pur	2769.16	0.2571	1	1384.580	2
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Sangar Wali	2766.62	0.2568	1	1383.311	2
Sialkot	Daska	Budha Goraya QH	Mondeke PC	Dholeke	2755.20	0.2558	1	1377.600	2
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Kahar Khara	2753.93	0.2557	1	1376.966	2
Sialkot	Pasrur	Choubara QH	Narsing PC	Narsingh	2739.97	0.2544	1	1369.986	2
Sialkot	Pasrur	Chawinda QH	Pourab Kaler PC	Butar	2731.09	0.2535	1	1365.544	2
Sialkot	Daska	Wadala Sandoan QH	Marhana PC	Gopi Pur	2728.55	0.2533	1	1364.275	2
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 1 PC	Dhengranwali	2728.55	0.2533	1	1364.275	2
Sialkot	Daska	Mirza Goraya QH	Piro Chak PC	Bho Bhangi	2720.94	0.2526	1	1360.468	2
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Basi Wala	2720.94	0.2526	1	1360.468	2
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Lawere	2709.51	0.2515	1	1354.757	2
Sialkot	Daska	Budha Goraya QH	Gujarke No 2 PC	Bhartan Wala	2708.24	0.2514	1	1354.122	2
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 2 PC	Kamal Pur	2708.24	0.2514	1	1354.122	2
Sialkot	Daska	Mirza Goraya QH	Ghoinke PC	Kotli Bhago	2705.71	0.2512	1	1352.853	2
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 2 PC	Chak Sada	2700.63	0.2507	1	1350.315	2
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Asmail Awan	2694.28	0.2501	1	1347.142	2
Sialkot	Sambrial	Gojra QH	Godhala No Ii PC	Rehan Cheema	2694.28	0.2501	1	1347.142	2
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Marl	2690.48	0.2498	1	1345.239	2
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Kamal Pur Chishtian	2689.21	0.2496	1	1344.604	2
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Mandhar (Chak)	2689.21	0.2496	1	1344.604	2
Sialkot	Pasrur	Chawinda QH	Jassoran PC	Wajid Wali	2686.67	0.2494	1	1343.335	2
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Dadu Bajwa	2682.86	0.2491	1	1341.431	2
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No Ii PC	Maqta	2682.86	0.2491	1	1341.431	2
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Hamidpur	2676.52	0.2485	1	1338.259	2
Sialkot	Sialkot	Gunna Kalan QH	Ora No 1 PC	Chak Mulla Purana	2671.44	0.2480	1	1335.720	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Khambrawala QH	Bharthan Wala PC	Bharthan Wala	2665.10	0.2474	1	1332.548	2
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Nand Pur	2665.10	0.2474	1	1332.548	2
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 2 PC	Kamal Pur	2653.67	0.2464	1	1326.837	2
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Bassu Punnun	2649.87	0.2460	1	1324.933	2
Sialkot	Daska	Daska Ii QH	Gojra No 2 PC	Bhonan Wali	2647.33	0.2458	1	1323.664	2
Sialkot	Daska	Budha Goraya QH	Matteke Nagra PC	Bogre	2642.25	0.2453	1	1321.126	2
Sialkot	Daska	Budha Goraya QH	Matteke Nagra PC	Matteke Nagra	2637.18	0.2448	1	1318.588	2
Sialkot	Daska	Daska Ii QH	Jandosahi PC	Kot Jando	2628.29	0.2440	1	1314.146	2
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Walana	2605.45	0.2419	1	1302.724	2
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Ganhar Pur	2599.10	0.2413	1	1299.551	2
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 1 PC	Kotli Kewal Ram	2586.41	0.2401	1	1293.206	2
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Chak Kaka	2581.34	0.2396	1	1290.668	2
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Mand	2573.72	0.2389	1	1286.860	2
Sialkot	Daska	Wadala Sandoan QH	Salhoke PC	Bhatte Wadh	2558.49	0.2375	1	1279.246	2
Sialkot	Sialkot	Sialkot Ii QH	Ganjian Wali Kalan PC	Chak Qazi	2558.49	0.2375	1	1279.246	2
Sialkot	Daska	Daska Ii QH	Goindke PC	Burj Chema	2557.22	0.2374	1	1278.611	2
Sialkot	Pasrur	Saukanwind QH	Saukanwind PC	Raja Dewali	2549.61	0.2367	1	1274.804	2
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Adamke	2547.07	0.2365	1	1273.535	2
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Chak Gillan	2545.80	0.2363	1	1272.900	2
Sialkot	Pasrur	Choubara QH	Chahar Bajwa PC	Kananwali Kakhanwali	2544.53	0.2362	1	1272.266	2
Sialkot	Pasrur	Kingra QH	Rangoor PC	Rangor	2543.26	0.2361	1	1271.631	2
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Phalora	2541.99	0.2360	1	1270.997	2
Sialkot	Sialkot	Kotli Loharan QH	Kotli Loharan No 2 PC	Sher Pur	2541.99	0.2360	1	1270.997	2
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Behlola	2540.72	0.2359	1	1270.362	2
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Rahang	2539.46	0.2357	1	1269.728	2
Sialkot	Pasrur	Chawinda QH	Mondeki Berian PC	Bhaganyan	2534.38	0.2353	1	1267.189	2
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Ghoghait	2530.57	0.2349	1	1265.286	2

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Kohar	2529.30	0.2348	1	1264.651	2
Sialkot	Daska	Wadala Sandoan QH	Sekhwan PC	Sekhwan	2510.27	0.2330	1	1255.133	2
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Labhe	2503.92	0.2324	1	1251.960	2
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Winjal	2503.92	0.2324	1	1251.960	2
Sialkot	Pasrur	Choubara QH	Mairajke PC	Mairajke	2501.38	0.2322	1	1250.691	2
Sialkot	Sialkot	Kotli Loharan QH	Gondal PC	Rodyal	2486.15	0.2308	1	1243.077	1.243077
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Kamonke	2483.61	0.2306	1	1241.807	1.241807
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Hamun Gakhar	2483.61	0.2306	1	1241.807	1.241807
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Rangpur Saroch	2477.27	0.2300	1	1238.635	1.238635
Sialkot	Sambrial	Gojra QH	Dhillam No Ii PC	Chauhar Chak	2476.00	0.2299	1	1238.000	1.238
Sialkot	Pasrur	Chawinda QH	Godgor PC	Jahar	2474.73	0.2297	1	1237.366	1.237366
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Rum	2474.73	0.2297	1	1237.366	1.237366
Sialkot	Pasrur	Saukanwind QH	Bhure Ke PC	Bhure Ke	2468.39	0.2291	1	1234.193	1.234193
Sialkot	Daska	Daska Ii QH	Sindhan Wala PC	Kanban Wala	2463.31	0.2287	1	1231.655	1.231655
Sialkot	Pasrur	Choubara QH	Salahanke PC	Salahanke	2463.31	0.2287	1	1231.655	1.231655
Sialkot	Sialkot	Chaprar Khas QH	Zahoora PC	Saddha	2458.23	0.2282	1	1229.117	1.229117
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 2 PC	Ghazi Pur (Nishtar Abad)	2455.69	0.2280	1	1227.847	1.227847
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Talwara	2445.54	0.2270	1	1222.771	1.222771
Sialkot	Sialkot	Phoklian QH	Sirh PC	Chak Khoja	2445.54	0.2270	1	1222.771	1.222771
Sialkot	Daska	Budha Goraya QH	Jandoke PC	Mahle Ke	2439.20	0.2264	1	1219.598	1.219598
Sialkot	Pasrur	Choubara QH	Mastpur PC	Chak Mirdah	2430.31	0.2256	1	1215.157	1.215157
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Aulakh	2429.04	0.2255	1	1214.522	1.214522
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Sattowali	2425.24	0.2251	1	1212.618	1.212618
Sialkot	Pasrur	Kingra QH	Lulyal PC	Masyal	2422.70	0.2249	1	1211.349	1.211349
Sialkot	Daska	Daska I QH	Glotian Khurd PC	Sabu Saray	2417.62	0.2244	1	1208.811	1.208811
Sialkot	Daska	Budha Goraya QH	Khando Wali PC	Rata Bajwa	2416.35	0.2243	1	1208.176	1.208176
Sialkot	Sambrial	Sambrial QH	Randheer PC	Hussain Pur Randheer	2416.35	0.2243	1	1208.176	1.208176

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Pindi Mandla	2410.01	0.2237	1	1205.004	1.205004
Sialkot	Daska	Daska Ii QH	Metran Wali No 2 PC	Kotli Khanun	2406.20	0.2234	1	1203.100	1.2031
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 2 PC	Gujran Wala	2401.12	0.2229	1	1200.562	1.200562
Sialkot	Sialkot	Kotli Loharan QH	Miani Awanan PC	Turanwal	2399.85	0.2228	1	1199.927	1.199927
Sialkot	Pasrur	Pasrur Ii QH	Kachian Bhattian PC	Sabalpur	2392.24	0.2221	1	1196.120	1.19612
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Mado Pur Wains	2378.28	0.2208	1	1189.140	1.18914
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 1 PC	Nathu Kalair	2375.74	0.2205	1	1187.871	1.187871
Sialkot	Pasrur	Choubara QH	Nakwal No 2 PC	Bahlor Barehamnan	2371.93	0.2202	1	1185.967	1.185967
Sialkot	Sambrial	Gojra QH	Chak Bhada PC	Chak Bhada	2370.67	0.2201	1	1185.333	1.185333
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Talwandi Inayat Khan	2369.40	0.2200	1	1184.698	1.184698
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Jajupur	2360.51	0.2191	1	1180.256	1.180256
Sialkot	Sambrial	Gojra QH	Godhala No Ii PC	Warsalke	2356.71	0.2188	1	1178.353	1.178353
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Jhatta	2352.90	0.2184	1	1176.449	1.176449
Sialkot	Sialkot	Phoklian QH	Phoklian PC	Kakran	2345.28	0.2177	1	1172.642	1.172642
Sialkot	Pasrur	Choubara QH	Mastpur PC	Mastpur	2342.75	0.2175	1	1171.373	1.171373
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Chak Malu	2337.67	0.2170	1	1168.835	1.168835
Sialkot	Daska	Mirza Goraya QH	Aallo Mahar PC	Kotli Mirza Dad Beg	2332.59	0.2165	1	1166.296	1.166296
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Chhanni Gundal	2328.79	0.2162	1	1164.393	1.164393
Sialkot	Pasrur	Chawinda QH	Alhar PC	Besrai	2318.63	0.2152	1	1159.316	1.159316
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Sarhali	2317.36	0.2151	1	1158.682	1.158682
Sialkot	Sialkot	Khambrawala QH	Kapuro Wali PC	Sandhu Wala	2308.48	0.2143	1	1154.240	1.15424
Sialkot	Sambrial	Gojra QH	Kharolian Aslampur PC	Ludher	2307.21	0.2142	1	1153.605	1.153605
Sialkot	Daska	Wadala Sandoan QH	Siran Wali PC	Langian Wali	2294.52	0.2130	1	1147.260	1.14726
Sialkot	Sialkot	Chaprar Khas QH	Rawal PC	Chaprari	2293.25	0.2129	1	1146.625	1.146625
Sialkot	Sialkot	Phoklian QH	Pul Bajwan PC	Channor	2286.91	0.2123	1	1143.453	1.143453
Sialkot	Pasrur	Chawinda QH	Alhar PC	Manga	2285.64	0.2122	1	1142.818	1.142818
Sialkot	Pasrur	Kingra QH	Baghaiari PC	Nakhnal	2281.83	0.2118	1	1140.915	1.140915

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Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 1 PC	Karlop	2272.95	0.2110	1	1136.473	1.136473
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 2 PC	Dhilwan	2271.68	0.2109	1	1135.838	1.135838
Sialkot	Sambrial	Gojra QH	Ghartal PC	Kang	2252.64	0.2091	1	1126.320	1.12632
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Lallar	2248.83	0.2088	1	1124.416	1.124416
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Dait	2246.29	0.2085	1	1123.147	1.123147
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Nadoke	2245.03	0.2084	1	1122.513	1.122513
Sialkot	Pasrur	Chawinda QH	Abdali PC	Nangal Bajwah	2233.60	0.2074	1	1116.802	1.116802
Sialkot	Daska	Daska I QH	Adamke PC	Taju Ke	2232.33	0.2072	1	1116.167	1.116167
Sialkot	Daska	Daska Ii QH	Bhadewala PC	Chak Tute	2231.07	0.2071	1	1115.533	1.115533
Sialkot	Pasrur	Chawinda QH	Bheloke PC	Fateh Pur	2229.80	0.2070	1	1114.898	1.114898
Sialkot	Daska	Mirza Goraya QH	Udowar PC	Pindori	2227.26	0.2068	1	1113.629	1.113629
Sialkot	Pasrur	Saukanwind QH	Maloke No I PC	Kot Agha	2225.99	0.2066	1	1112.995	1.112995
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Pejo Ke	2224.72	0.2065	1	1112.360	1.11236
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Gurhi	2223.45	0.2064	1	1111.725	1.111725
Sialkot	Sialkot	Sialkot Ii QH	Moman No I PC	Lodhare	2219.64	0.2061	1	1109.822	1.109822
Sialkot	Daska	Mirza Goraya QH	Seoke PC	Targari	2217.11	0.2058	1	1108.553	1.108553
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 2 PC	Binan	2213.30	0.2055	1	1106.649	1.106649
Sialkot	Pasrur	Kingra QH	Baghaiari PC	Nogran	2208.22	0.2050	1	1104.111	1.104111
Sialkot	Sambrial	Gojra QH	Badoke PC	Ralioke(Dulokey)	2206.95	0.2049	1	1103.476	1.103476
Sialkot	Daska	Wadala Sandoan QH	Siran Wali PC	Thatta Umera	2204.41	0.2046	1	1102.207	1.102207
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Shani	2203.15	0.2045	1	1101.573	1.101573
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Kalike	2201.88	0.2044	1	1100.938	1.100938
Sialkot	Sambrial	Sambrial QH	Kothiala PC	Kotha Chishtian	2191.72	0.2035	1	1095.862	1.095862
Sialkot	Daska	Mirza Goraya QH	Ghoinke PC	Gojar Kalla	2189.19	0.2032	1	1094.593	1.094593
Sialkot	Pasrur	Pasrur Ii QH	Ramke PC	Kot Rai	2187.92	0.2031	1	1093.958	1.093958
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Madowal	2181.57	0.2025	1	1090.785	1.090785
Sialkot	Pasrur	Choubara QH	Galanwala PC	Kotli Joshan	2177.76	0.2022	1	1088.882	1.088882

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Sialkot	Pasrur	Choubara QH	Kaloi PC	Anigan	2176.49	0.2021	1	1088.247	1.088247
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Jorian Khurd	2175.23	0.2019	1	1087.613	1.087613
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 2 PC	Sohal	2173.96	0.2018	1	1086.978	1.086978
Sialkot	Sambrial	Sambrial QH	Kotli Nonan PC	Lopo Wali	2170.15	0.2015	1	1085.074	1.085074
Sialkot	Sialkot	Phoklian QH	Sirh PC	Gid Pur	2165.07	0.2010	1	1082.536	1.082536
Sialkot	Pasrur	Choubara QH	Nakwal No 2 PC	Beni Barehmnan (Habib Ab	2151.11	0.1997	1	1075.556	1.075556
Sialkot	Sialkot	Phoklian QH	Beli PC	Wadgran	2148.57	0.1995	1	1074.287	1.074287
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Nandi Pur	2147.31	0.1993	1	1073.653	1.073653
Sialkot	Daska	Wadala Sandoan QH	Bhikhi PC	Tarsikka	2142.23	0.1989	1	1071.114	1.071114
Sialkot	Pasrur	Choubara QH	Khanoor PC	Malana	2138.42	0.1985	1	1069.211	1.069211
Sialkot	Daska	Budha Goraya QH	Khando Wali PC	Chian Wali	2135.88	0.1983	1	1067.942	1.067942
Sialkot	Pasrur	Saukanwind QH	Miro Bhadyar PC	Lala Saida	2130.81	0.1978	1	1065.404	1.065404
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Parel	2129.54	0.1977	1	1064.769	1.064769
Sialkot	Daska	Daska I QH	Dhamonke PC	Darweshke	2124.46	0.1972	1	1062.231	1.062231
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Sundar Pur Bidder	2124.46	0.1972	1	1062.231	1.062231
Sialkot	Daska	Daska I QH	Raja Ghumaon PC	Sahke	2123.19	0.1971	1	1061.596	1.061596
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 2 PC	Lakra Kalan	2121.92	0.1970	1	1060.962	1.060962
Sialkot	Pasrur	Choubara QH	Charwah No Ii PC	Bani Solahrian	2119.39	0.1968	1	1059.693	1.059693
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Dharkali	2110.50	0.1959	1	1055.251	1.055251
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Wahga	2106.69	0.1956	1	1053.347	1.053347
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Chong (Chogh) Pur	2102.89	0.1952	1	1051.444	1.051444
Sialkot	Pasrur	Saukanwind QH	Miro Bhadyar PC	Miro Bhadyar	2099.08	0.1949	1	1049.540	1.04954
Sialkot	Pasrur	Choubara QH	Salahanke PC	Rurki Khurd	2097.81	0.1947	1	1048.905	1.048905
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Manyala	2095.27	0.1945	1	1047.636	1.047636
Sialkot	Pasrur	Pasrur Ii QH	Ferozeke PC	Dogri Ghummnan	2094.00	0.1944	1	1047.002	1.047002
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 2 PC	Kotli Araian	2091.47	0.1942	1	1045.733	1.045733
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Dogran Kalan	2091.47	0.1942	1	1045.733	1.045733

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Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 1 PC	Wahgran	2087.66	0.1938	1	1043.829	1.043829
Sialkot	Pasrur	Choubara QH	Salahanke PC	Harpal	2082.58	0.1933	1	1041.291	1.041291
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Noorpur	2081.31	0.1932	1	1040.656	1.040656
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Akal Garh	2076.24	0.1927	1	1038.118	1.038118
Sialkot	Sambrial	Sambrial QH	Kopra PC	Gulab Garh	2063.55	0.1916	1	1031.773	1.031773
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Nanowali	2062.28	0.1914	1	1031.138	1.031138
Sialkot	Sambrial	Gojra QH	Godhala No Ii PC	Sehjoke	2054.66	0.1907	1	1027.331	1.027331
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Mahey Thakrai	2054.66	0.1907	1	1027.331	1.027331
Sialkot	Sambrial	Sambrial QH	Kopra PC	Kishan Garh	2052.12	0.1905	1	1026.062	1.026062
Sialkot	Sialkot	Phoklian QH	Kachhi Mand PC	Kachhi Mand	2052.12	0.1905	1	1026.062	1.026062
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Raja Harpal	2050.85	0.1904	1	1025.427	1.025427
Sialkot	Pasrur	Class Wala QH	Jeewan Dhelwan PC	Khewa Bajwa	2048.32	0.1902	1	1024.158	1.024158
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Rajo	2045.78	0.1899	1	1022.889	1.022889
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Ajuwali	2043.24	0.1897	1	1021.620	1.02162
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 1 PC	Adam Daraz	2036.89	0.1891	1	1018.447	1.018447
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No Ii PC	Karpal Pur	2036.89	0.1891	1	1018.447	1.018447
Sialkot	Sialkot	Gunna Kalan QH	Ora No 1 PC	Chak Mullanwan	2035.63	0.1890	1	1017.813	1.017813
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Aulakh	2030.55	0.1885	1	1015.274	1.015274
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Basant Pur	2028.01	0.1883	1	1014.005	1.014005
Sialkot	Sialkot	Phoklian QH	Sambli Jattan PC	Khalil Pur	2025.47	0.1880	1	1012.736	1.012736
Sialkot	Daska	Budha Goraya QH	Koreke PC	Jhulki	2022.93	0.1878	1	1011.467	1.011467
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Harspur Maulana	2017.86	0.1873	1	1008.929	1.008929
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 1 PC	Jalap Wali	2016.59	0.1872	1	1008.294	1.008294
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Darya Badar	2007.71	0.1864	1	1003.853	1.003853
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Thatha Bawa	2000.09	0.1857	1	1000.045	1.000045
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Chak Shamir	2.54	0.0002	1	1.269	1
Sialkot	Sialkot	Chaprar Khas QH	Abdal PC	Chak Misri	2.54	0.0002	1	1.269	1

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Sialkot	Sialkot	Phoklian QH	Sambli Jattan PC	Saroch	2.54	0.0002	1	1.269	1
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Mahal Seman Wali	6.35	0.0006	1	3.173	1
Sialkot	Sialkot	Chaprar Khas QH	Ahmal Pur PC	Chak Umra	7.61	0.0007	1	3.807	1
Sialkot	Sialkot	Chaprar Khas QH	Saleh Pur PC	Nidala	7.61	0.0007	1	3.807	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Sharam Kot	8.88	0.0008	1	4.442	1
Sialkot	Sambrial	Sambrial QH	Kothiala PC	Umerke	8.88	0.0008	1	4.442	1
Sialkot	Sambrial	Sambrial QH	Majra Kalan PC	Thatta Musa	8.88	0.0008	1	4.442	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Nathuojial	11.42	0.0011	1	5.711	1
Sialkot	Sialkot	Phoklian QH	Sambli Jattan PC	Sambli Jattan	13.96	0.0013	1	6.980	1
Sialkot	Sambrial	Dhanan Wali QH	Kalowal PC	Darya Bala	16.50	0.0015	1	8.249	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Rakh Malian Wala	17.77	0.0016	1	8.884	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Mohal Dogran	19.04	0.0018	1	9.518	1
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Chandhir Viran	21.57	0.0020	1	10.787	1
Sialkot	Sialkot	Phoklian QH	Sika PC	Sika	21.57	0.0020	1	10.787	1
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Chak Khalil	31.73	0.0029	1	15.864	1
Sialkot	Sialkot	Phoklian QH	Bhalial PC	Bhalial	31.73	0.0029	1	15.864	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 1 PC	Kotli Rajkor	33.00	0.0031	1	16.498	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Mahal Chamber	33.00	0.0031	1	16.498	1
Sialkot	Sialkot	Phoklian QH	Sambli Rai PC	Sambli Rai	34.27	0.0032	1	17.133	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Kaile	35.53	0.0033	1	17.767	1
Sialkot	Sialkot	Phoklian QH	Sambli Rai PC	Hail Minhasan	35.53	0.0033	1	17.767	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Saidanwali	36.80	0.0034	1	18.402	1
Sialkot	Sialkot	Chaprar Khas QH	Hail Jattan PC	Said Pur	36.80	0.0034	1	18.402	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 2 PC	Tundgarh	36.80	0.0034	1	18.402	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Mahal Larhki	38.07	0.0035	1	19.036	1
Sialkot	Sambrial	Gojra QH	Bhopal Wala No I PC	Chak Kheena	44.42	0.0041	1	22.209	1
Sialkot	Sialkot	Chaprar Khas QH	Hail Jattan PC	Hail Jattan	50.76	0.0047	1	25.382	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Mahal Lalowal	54.57	0.0051	1	27.285	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Taqipur Bhag	55.84	0.0052	1	27.920	1
Sialkot	Sambrial	Sambrial QH	Majra Kalan PC	Chak Ikhtiar	57.11	0.0053	1	28.555	1
Sialkot	Daska	Daska Ii QH	Bhadewala PC	Langian Wali	59.65	0.0055	1	29.824	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Kishan Pur Bhag	60.92	0.0057	1	30.458	1
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Viram Ke	64.72	0.0060	1	32.362	1
Sialkot	Sialkot	Chaprar Khas QH	Jhomian Dilalan PC	Mohal	71.07	0.0066	1	35.535	1
Sialkot	Pasrur	Kingra QH	Peral No Ii PC	Dhamala Sajjan Wala	72.34	0.0067	1	36.169	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Gonji	74.88	0.0070	1	37.438	1
Sialkot	Sialkot	Chaprar Khas QH	Hail Jattan PC	Mahal Khadar	90.11	0.0084	1	45.053	1
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 1 PC	Tonkananwali	91.37	0.0085	1	45.687	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Kot Kora	100.26	0.0093	1	50.129	1
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Chak Paropi	102.80	0.0095	1	51.398	1
Sialkot	Daska	Daska I QH	Daska Khas No 2 PC	Sohawa Kohna	105.33	0.0098	1	52.667	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Kotli Khawaja	114.22	0.0106	1	57.109	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Thatta Gillan	118.03	0.0110	1	59.013	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Alike	119.29	0.0111	1	59.647	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 2 PC	Athwal	120.56	0.0112	1	60.282	1
Sialkot	Sialkot	Phoklian QH	Misyal (Mahal) PC	Pind Bhilo	120.56	0.0112	1	60.282	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Khewan Cheema	130.72	0.0121	1	65.358	1
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Chak Chibban	133.25	0.0124	1	66.627	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Matile	137.06	0.0127	1	68.531	1
Sialkot	Pasrur	Choubara QH	Choubara PC	Barkhurdar Pur	142.14	0.0132	1	71.069	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Ferozepur Bhag	142.14	0.0132	1	71.069	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Kot Kalal	142.14	0.0132	1	71.069	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 1 PC	Jandeka Meera	142.14	0.0132	1	71.069	1
Sialkot	Daska	Daska Ii QH	Metran Wali No 2 PC	Mango Khasa	144.68	0.0134	1	72.338	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Kingra QH	Chahur PC	Chak Loharan	144.68	0.0134	1	72.338	1
Sialkot	Pasrur	Kingra QH	Jhatoke PC	Kot Virk	144.68	0.0134	1	72.338	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Pir Subz	149.75	0.0139	1	74.876	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Chak Hazari	151.02	0.0140	1	75.511	1
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Bahari Pur	152.29	0.0141	1	76.146	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Chhani Dheru	163.71	0.0152	1	81.856	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Kagial	166.25	0.0154	1	83.126	1
Sialkot	Pasrur	Kingra QH	Siowal PC	Kot Bhonda	173.87	0.0161	1	86.933	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Naushera	173.87	0.0161	1	86.933	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 2 PC	Nanak Wirk	176.40	0.0164	1	88.202	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Rasool Pur	176.40	0.0164	1	88.202	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Nazam Din Pur	180.21	0.0167	1	90.106	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Mahal Anaba	185.29	0.0172	1	92.644	1
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Emin Pur	187.83	0.0174	1	93.913	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Nangal Hasri	189.09	0.0176	1	94.547	1
Sialkot	Pasrur	Class Wala QH	Jeewan Dhelwan PC	Dhariwal Mahta	191.63	0.0178	1	95.817	1
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Ajwal	194.17	0.0180	1	97.086	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Papin	196.71	0.0183	1	98.355	1
Sialkot	Sambrial	Sambrial QH	Kothiala PC	Arbi	203.05	0.0189	1	101.527	1
Sialkot	Daska	Daska I QH	Daska Khas No 2 PC	Sohawa Nawan	211.94	0.0197	1	105.969	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Dhamla Dosandi Wala	229.71	0.0213	1	114.853	1
Sialkot	Sialkot	Phoklian QH	Misyal (Mahal) PC	Jhomian Bajwan	238.59	0.0221	1	119.295	1
Sialkot	Sialkot	Phoklian QH	Jhang PC	Rahal	239.86	0.0223	1	119.929	1
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Chak Basao	244.93	0.0227	1	122.467	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Kokar	244.93	0.0227	1	122.467	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Asadullah Pur	246.20	0.0229	1	123.102	1
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 1 PC	Dao Gahoga	247.47	0.0230	1	123.737	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Selu	247.47	0.0230	1	123.737	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Chak Lawere	247.47	0.0230	1	123.737	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Chak Bharat	248.74	0.0231	1	124.371	1
Sialkot	Sambrial	Sambrial QH	Jethike PC	Kotli Gorlan	250.01	0.0232	1	125.006	1
Sialkot	Sialkot	Phoklian QH	Misyal (Mahal) PC	Bela Bechiragh	255.09	0.0237	1	127.544	1
Sialkot	Daska	Budha Goraya QH	Gujarke No 2 PC	Bhoi	260.16	0.0242	1	130.082	1
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Dherh	263.97	0.0245	1	131.986	1
Sialkot	Sialkot	Phoklian QH	Phoklian PC	Gadial	266.51	0.0247	1	133.255	1
Sialkot	Sialkot	Phoklian QH	Sirh PC	Sapwal	270.32	0.0251	1	135.158	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Kaheke Bhag	271.59	0.0252	1	135.793	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Kot Hatim Khan	272.85	0.0253	1	136.427	1
Sialkot	Daska	Daska Ii QH	Goindke PC	Jada	274.12	0.0254	1	137.062	1
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Khato Wali	274.12	0.0254	1	137.062	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Machhi Wali	276.66	0.0257	1	138.331	1
Sialkot	Daska	Daska Ii QH	Goindke PC	Kotli Sydan	277.93	0.0258	1	138.966	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Arazi Dosat Muhammad	280.47	0.0260	1	140.235	1
Sialkot	Pasrur	Kingra QH	Rangoor PC	Sojan	281.74	0.0262	1	140.869	1
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Golokot	283.01	0.0263	1	141.504	1
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Kehkwal	286.82	0.0266	1	143.408	1
Sialkot	Daska	Budha Goraya QH	Rachara PC	Mand	291.89	0.0271	1	145.946	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Jall Khooh	291.89	0.0271	1	145.946	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Kotli Khadam Shah	294.43	0.0273	1	147.215	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 2 PC	Kotli Gull Mohammad	300.78	0.0279	1	150.388	1
Sialkot	Sialkot	Phoklian QH	Jhang PC	Kandal	304.58	0.0283	1	152.291	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Khaire	310.93	0.0289	1	155.464	1
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Mahal Rasool Pur	319.81	0.0297	1	159.906	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Budha Khurd	319.81	0.0297	1	159.906	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Chak Raja	323.62	0.0300	1	161.809	1
Sialkot	Sialkot	Phoklian QH	Beli PC	Ghazi Pur	328.70	0.0305	1	164.348	1
Sialkot	Sialkot	Phoklian QH	Jhang PC	Khairi	328.70	0.0305	1	164.348	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Chak Waraich	331.23	0.0307	1	165.617	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Tonkananwali(Sobanda)	331.23	0.0307	1	165.617	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Adonangal	332.50	0.0309	1	166.251	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Gagge	333.77	0.0310	1	166.886	1
Sialkot	Pasrur	Class Wala QH	Dhodah PC	Kotli Warkan	335.04	0.0311	1	167.520	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Chak Romala	336.31	0.0312	1	168.155	1
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Dhari Wal	340.12	0.0316	1	170.058	1
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 2 PC	Mahal Bheelo	342.66	0.0318	1	171.328	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Laddu Bullhar	345.19	0.0320	1	172.597	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No Ii PC	Qadar Abad	346.46	0.0322	1	173.231	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No Ii PC	Kot Qadar Dad	349.00	0.0324	1	174.500	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Chak Bharat	349.00	0.0324	1	174.500	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Sattar Pur	351.54	0.0326	1	175.769	1
Sialkot	Sialkot	Khambrawala QH	Bharthan Wala PC	Durga Pur	352.81	0.0328	1	176.404	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Mahal Lange	354.08	0.0329	1	177.038	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Mahal Sangwal	354.08	0.0329	1	177.038	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Bhojo Chand	357.88	0.0332	1	178.942	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Manggu Sangar	360.42	0.0335	1	180.211	1
Sialkot	Sambrial	Gojra QH	Godhala No I PC	Lamme	362.96	0.0337	1	181.480	1
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 1 PC	Qila Sardar Thakar Singh	365.50	0.0339	1	182.749	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Ramzan Garh	366.77	0.0340	1	183.384	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Kharana	366.77	0.0340	1	183.384	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Ghoon	368.04	0.0342	1	184.018	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Chibber Wale	371.84	0.0345	1	185.922	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Daska	Budha Goraya QH	Lahorike PC	Wazir Pur	373.11	0.0346	1	186.557	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Kulial	375.65	0.0349	1	187.826	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Bhikki Ke	378.19	0.0351	1	189.095	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No Ii PC	Kot Khuda Yar	378.19	0.0351	1	189.095	1
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Dhengla	379.46	0.0352	1	189.729	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Chandar	385.80	0.0358	1	192.902	1
Sialkot	Daska	Budha Goraya QH	Gajj PC	Kotli Mughlani	390.88	0.0363	1	195.440	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Sadhari Wali	392.15	0.0364	1	196.075	1
Sialkot	Pasrur	Class Wala QH	Jeewan Dhelwan PC	Bharath	393.42	0.0365	1	196.709	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Rio Gan	395.96	0.0368	1	197.979	1
Sialkot	Pasrur	Chawinda QH	Budyana PC	Nawade	399.76	0.0371	1	199.882	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Kotha	399.76	0.0371	1	199.882	1
Sialkot	Pasrur	Pasrur I QH	Adamke PC	Sabumahal Viran	399.76	0.0371	1	199.882	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Ladha Kang	401.03	0.0372	1	200.517	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Bange	401.03	0.0372	1	200.517	1
Sialkot	Sambrial	Sambrial QH	Saranke PC	Mast Gahr	406.11	0.0377	1	203.055	1
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Bahadar Pur (Kotli Mapal	408.65	0.0379	1	204.324	1
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Ranjan Mahal	409.92	0.0381	1	204.959	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Kull	412.46	0.0383	1	206.228	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Chak Karim	414.99	0.0385	1	207.497	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Badian	416.26	0.0386	1	208.131	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Chando Sakha	417.53	0.0388	1	208.766	1
Sialkot	Pasrur	Choubara QH	Choubara PC	Chak Baga	418.80	0.0389	1	209.400	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Bakhat Pur	427.68	0.0397	1	213.842	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Makhan Pur	427.68	0.0397	1	213.842	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Kotli Mughlani	431.49	0.0401	1	215.746	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Shahrak PC	Rahola	432.76	0.0402	1	216.380	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Mahal Nawade	439.11	0.0408	1	219.553	1
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 2 PC	Kot Sansi	441.64	0.0410	1	220.822	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Kaghar	441.64	0.0410	1	220.822	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Dheer	444.18	0.0412	1	222.091	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No I PC	Garhi Mehy	444.18	0.0412	1	222.091	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Chak Ramdas	453.07	0.0421	1	226.533	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Dhariwal Punga	454.34	0.0422	1	227.168	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Jadda	454.34	0.0422	1	227.168	1
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Kotli Channun	454.34	0.0422	1	227.168	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Harnah	455.60	0.0423	1	227.802	1
Sialkot	Sialkot	Phoklian QH	Pul Bajwan PC	Marhal	455.60	0.0423	1	227.802	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Pir Mohd	456.87	0.0424	1	228.437	1
Sialkot	Pasrur	Choubara QH	Charwah No I PC	Bodhwal	458.14	0.0425	1	229.071	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Kak	459.41	0.0426	1	229.706	1
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 1 PC	Phullarwan	461.95	0.0429	1	230.975	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Lalli	468.30	0.0435	1	234.148	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Mahuta	469.56	0.0436	1	234.782	1
Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 2 PC	Jaid Wali	470.83	0.0437	1	235.417	1
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Udho Wali	474.64	0.0441	1	237.320	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Khokhar Mashmula Behlo	474.64	0.0441	1	237.320	1
Sialkot	Daska	Daska Ii QH	Bamanwala PC	Chak Lakhan	475.91	0.0442	1	237.955	1
Sialkot	Pasrur	Kingra QH	Siowal PC	Nowade	475.91	0.0442	1	237.955	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Chak Haru	478.45	0.0444	1	239.224	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Mahal Sarai	479.72	0.0445	1	239.859	1
Sialkot	Pasrur	Class Wala QH	Bholer No 1 PC	Tawana	483.52	0.0449	1	241.762	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Dadu Wali	483.52	0.0449	1	241.762	1
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Kharal	486.06	0.0451	1	243.031	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Gahur Ke	487.33	0.0452	1	243.666	1
Sialkot	Pasrur	Class Wala QH	Bholer No 1 PC	Kotli Bhota	489.87	0.0455	1	244.935	1
Sialkot	Sialkot	Chaprar Khas QH	Jhomian Dilalan PC	Jhomian Dilalan	492.41	0.0457	1	246.204	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Sanyal	493.68	0.0458	1	246.839	1
Sialkot	Sialkot	Khambrawala QH	Bharthan Wala PC	Melo Dhingla	497.48	0.0462	1	248.742	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Baryar	498.75	0.0463	1	249.377	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Mahal Taijer	501.29	0.0465	1	250.646	1
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Phalo Deuta	502.56	0.0467	1	251.280	1
Sialkot	Sialkot	Kotli Loharan QH	Miani Awanan PC	Bala Loch	503.83	0.0468	1	251.915	1
Sialkot	Daska	Daska Ii QH	Goindke PC	Fateh Bhinder	505.10	0.0469	1	252.549	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Kasso Wal Bhag	505.10	0.0469	1	252.549	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Kaloghazi	508.91	0.0472	1	254.453	1
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 1 PC	Kadir Abad	508.91	0.0472	1	254.453	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Chak Kala	516.52	0.0480	1	258.260	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Achran	516.52	0.0480	1	258.260	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Jastar Wal	516.52	0.0480	1	258.260	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Bhelo Wal	519.06	0.0482	1	259.530	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Dhingla	520.33	0.0483	1	260.164	1
Sialkot	Sialkot	Kotli Loharan QH	Kotli Loharan No 1 PC	Tokan	520.33	0.0483	1	260.164	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Chak Khadu	521.60	0.0484	1	260.799	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Dhang Bhag	521.60	0.0484	1	260.799	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Pakhar Pur	521.60	0.0484	1	260.799	1
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Chak Rani	525.40	0.0488	1	262.702	1
Sialkot	Pasrur	Chawinda QH	Abdali PC	Suian	531.75	0.0494	1	265.875	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Nangal Bota	533.02	0.0495	1	266.510	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Sohnda	533.02	0.0495	1	266.510	1
Sialkot	Daska	Wadala Sandoan QH	Chak Aggu PC	Ghanoke	534.29	0.0496	1	267.144	1
Sialkot	Pasrur	Kingra QH	Siowal PC	Panjan Ke	535.56	0.0497	1	267.779	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Kartar Pur	535.56	0.0497	1	267.779	1
Sialkot	Daska	Wadala Sandoan QH	Bhikhi PC	Chak Sadyo	536.83	0.0498	1	268.413	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Ado Ke	540.63	0.0502	1	270.317	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Papeen	543.17	0.0504	1	271.586	1
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Doburji Ramchand	543.17	0.0504	1	271.586	1
Sialkot	Sambrial	Gojra QH	Dhillam No I PC	Khokhewali	543.17	0.0504	1	271.586	1
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Kotli Telian	543.17	0.0504	1	271.586	1
Sialkot	Daska	Wadala Sandoan QH	Chak Aggu PC	Fateh Pur	545.71	0.0507	1	272.855	1
Sialkot	Pasrur	Kingra QH	Rangoor PC	Dandyal	545.71	0.0507	1	272.855	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Romal Saidan	545.71	0.0507	1	272.855	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 1 PC	Kotli Araian Kalan	546.98	0.0508	1	273.490	1
Sialkot	Sambrial	Dhanan Wali QH	Mango Bahram PC	Pindian	548.25	0.0509	1	274.124	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Dhang Wal Mahiwal	548.25	0.0509	1	274.124	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Thathi Khurd	548.25	0.0509	1	274.124	1
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Sahan Gill	549.52	0.0510	1	274.759	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Buttar	553.32	0.0514	1	276.662	1
Sialkot	Sambrial	Gojra QH	Godhala No I PC	Dhae	555.86	0.0516	1	277.931	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Khokhar Mashmula Khara	555.86	0.0516	1	277.931	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Niwaan Chura	555.86	0.0516	1	277.931	1
Sialkot	Daska	Daska Ii QH	Gojra No 2 PC	Kotli Lala	562.21	0.0522	1	281.104	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Jhammat	562.21	0.0522	1	281.104	1
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Chak Hoshyarah	563.48	0.0523	1	281.739	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Muazzam Abad	563.48	0.0523	1	281.739	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Mamara Malka	564.75	0.0524	1	282.373	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Narsing PC	Chak Mutsadi	572.36	0.0531	1	286.180	1
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 1 PC	Bal	573.63	0.0533	1	286.815	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Malika	574.90	0.0534	1	287.450	1
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Lahne Wali (Lahne Kay)	577.44	0.0536	1	288.719	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Murchapur	579.98	0.0538	1	289.988	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Bulhay	579.98	0.0538	1	289.988	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Kamala	585.05	0.0543	1	292.526	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Khokhar Haider	586.32	0.0544	1	293.160	1
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Khaire	587.59	0.0545	1	293.795	1
Sialkot	Daska	Budha Goraya QH	Jandoke PC	Anohad Pur	590.13	0.0548	1	295.064	1
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Garar	590.13	0.0548	1	295.064	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Fateh Pur	591.40	0.0549	1	295.699	1
Sialkot	Sambrial	Sambrial QH	Kothiala PC	Daur	596.47	0.0554	1	298.237	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Bhond	597.74	0.0555	1	298.871	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Baghyal	597.74	0.0555	1	298.871	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Atal Garh (Hanni)	597.74	0.0555	1	298.871	1
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Chak Sadha	597.74	0.0555	1	298.871	1
Sialkot	Daska	Wadala Sandoan QH	Satrah No 2 PC	Kalar Kot Khanda	599.01	0.0556	1	299.506	1
Sialkot	Sambrial	Gojra QH	Godhala No Ii PC	Kot Dhaiani	599.01	0.0556	1	299.506	1
Sialkot	Daska	Budha Goraya QH	Malo Mahi PC	Ghano Ke	600.28	0.0557	1	300.140	1
Sialkot	Pasrur	Kingra QH	Dogri Harian PC	Chak Baman	600.28	0.0557	1	300.140	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Kotli Chahur	601.55	0.0558	1	300.775	1
Sialkot	Sialkot	Phoklian QH	Sika PC	Gangwal	607.90	0.0564	1	303.948	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Mahmun Wali	609.16	0.0566	1	304.582	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Chahal	611.70	0.0568	1	305.851	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No Ii PC	Talwandi Dialpur	611.70	0.0568	1	305.851	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Pacca	611.70	0.0568	1	305.851	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Kaloi PC	Chak Alya	612.97	0.0569	1	306.486	1
Sialkot	Daska	Daska Ii QH	Ghalibke No I PC	Ladheke	614.24	0.0570	1	307.120	1
Sialkot	Pasrur	Kingra QH	Siowal PC	Kot Dhodo	614.24	0.0570	1	307.120	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Esso Gega	616.78	0.0573	1	308.390	1
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Kotli Bajwah	619.32	0.0575	1	309.659	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Bhago Wali	620.59	0.0576	1	310.293	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Tanbbu	624.39	0.0580	1	312.197	1
Sialkot	Pasrur	Pasrur I QH	Charwand PC	Amin Shah	628.20	0.0583	1	314.101	1
Sialkot	Sialkot	Phoklian QH	Kachhi Mand PC	Bhatoli Barhamanan	628.20	0.0583	1	314.101	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Kotli Gopi Rai	629.47	0.0584	1	314.735	1
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 2 PC	Gande Wali	630.74	0.0586	1	315.370	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Faujdar Garh	630.74	0.0586	1	315.370	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Chak Randhawa	632.01	0.0587	1	316.004	1
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Rampur	632.01	0.0587	1	316.004	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Pindi Khokhar	632.01	0.0587	1	316.004	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Korar	634.55	0.0589	1	317.273	1
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Mattar Hal Kalan	634.55	0.0589	1	317.273	1
Sialkot	Daska	Wadala Sandoan QH	Chhangi PC	Mirak Pur	637.08	0.0591	1	318.542	1
Sialkot	Pasrur	Chawinda QH	Godgor PC	Nathu Pur	637.08	0.0591	1	318.542	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Chak Nanak	640.89	0.0595	1	320.446	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Harwenspur	640.89	0.0595	1	320.446	1
Sialkot	Sambrial	Dhanan Wali QH	Hamboke PC	Chak Khanan	640.89	0.0595	1	320.446	1
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Chaoke Khurd	640.89	0.0595	1	320.446	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Sukhial	640.89	0.0595	1	320.446	1
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No I PC	Sahdanwali	643.43	0.0597	1	321.715	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Dhesian	643.43	0.0597	1	321.715	1
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Data Barahmnan	644.70	0.0598	1	322.350	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Pasrur Ii QH	Ferozeke PC	Kot Ghulam Muhammad	648.51	0.0602	1	324.253	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Dholu Chahan	648.51	0.0602	1	324.253	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Sheikhpur	652.31	0.0606	1	326.157	1
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No I PC	Tarar	656.12	0.0609	1	328.061	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Sangeryala	659.93	0.0613	1	329.964	1
Sialkot	Pasrur	Pasrur I QH	Charwand PC	Bhojoke	661.20	0.0614	1	330.599	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Sange	662.47	0.0615	1	331.233	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Kot Warsal Pur	663.74	0.0616	1	331.868	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Chak Baga	666.27	0.0619	1	333.137	1
Sialkot	Sambrial	Dhanan Wali QH	Kaurowal PC	Munder Kalan	670.08	0.0622	1	335.041	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Chak Chao	670.08	0.0622	1	335.041	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Baz Pur	671.35	0.0623	1	335.675	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Chaubarah	672.62	0.0624	1	336.310	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Kotli Bhuta	672.62	0.0624	1	336.310	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No I PC	Shadi Pur	673.89	0.0626	1	336.944	1
Sialkot	Pasrur	Kingra QH	Throh PC	Malho Wal Throh	677.70	0.0629	1	338.848	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Kotli Chando	681.50	0.0633	1	340.751	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Jallo Wali	682.77	0.0634	1	341.386	1
Sialkot	Sialkot	Gunna Kalan QH	Bhroke PC	Mahal Jhawar	685.31	0.0636	1	342.655	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Kakka Pann	689.12	0.0640	1	344.559	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Joog	694.19	0.0644	1	347.097	1
Sialkot	Daska	Wadala Sandoan QH	Chak Aggu PC	Bhidal	695.46	0.0646	1	347.731	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Baqa Pur	695.46	0.0646	1	347.731	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Kot Izzat	696.73	0.0647	1	348.366	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Pera	696.73	0.0647	1	348.366	1
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Kot Dana	698.00	0.0648	1	349.001	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Jabo Ke	699.27	0.0649	1	349.635	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Kotli Loharan QH	Gondal PC	Sagar Pur	699.27	0.0649	1	349.635	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Gangal	700.54	0.0650	1	350.270	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Baryar	700.54	0.0650	1	350.270	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Jangi Ke	701.81	0.0652	1	350.904	1
Sialkot	Pasrur	Pasrur Ii QH	Panwana PC	Mardana	704.35	0.0654	1	352.173	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 1 PC	Mahal Guche	705.62	0.0655	1	352.808	1
Sialkot	Sialkot	Gunna Kalan QH	Malhu Chhat No 1 PC	Dendal	710.69	0.0660	1	355.346	1
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Alawalpur	713.23	0.0662	1	356.615	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Mahal Menewali	714.50	0.0663	1	357.250	1
Sialkot	Pasrur	Class Wala QH	Jeewan Dhelwan PC	Chak Ishaq	719.58	0.0668	1	359.788	1
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 1 PC	Kot Purana	719.58	0.0668	1	359.788	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Uncha Jajjah	720.84	0.0669	1	360.422	1
Sialkot	Pasrur	Saukanwind QH	Bassu Punnun PC	Loharanwali	722.11	0.0670	1	361.057	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Dungar Pur	724.65	0.0673	1	362.326	1
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Mahal Kotli	725.92	0.0674	1	362.961	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Takhar Sapal	725.92	0.0674	1	362.961	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Kot Bawa	725.92	0.0674	1	362.961	1
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Khado Wali	731.00	0.0679	1	365.499	1
Sialkot	Sialkot	Chaprar Khas QH	Chappar Khas PC	Banut	731.00	0.0679	1	365.499	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Kotli Lala	732.27	0.0680	1	366.133	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Mahal Tukra	733.54	0.0681	1	366.768	1
Sialkot	Daska	Wadala Sandoan QH	Marhana PC	Kotli Matoan	734.80	0.0682	1	367.402	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Bhuta (Islam Pur)	734.80	0.0682	1	367.402	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Chak Choor	742.42	0.0689	1	371.210	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Mank Chand	747.50	0.0694	1	373.748	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Jhans	748.76	0.0695	1	374.382	1
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 2 PC	Changan Wali	750.03	0.0696	1	375.017	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Mehndi Pur	750.03	0.0696	1	375.017	1
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Chak Kooka	753.84	0.0700	1	376.921	1
Sialkot	Sambrial	Sambrial QH	Randheer PC	Hussain Pur	755.11	0.0701	1	377.555	1
Sialkot	Daska	Daska Ii QH	Othian PC	Musalmanian	758.92	0.0705	1	379.459	1
Sialkot	Daska	Mirza Goraya QH	Seoke PC	Budho Pur	760.19	0.0706	1	380.093	1
Sialkot	Sialkot	Phoklian QH	Phoklian PC	Janglora	760.19	0.0706	1	380.093	1
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Chak Bhokaian	762.72	0.0708	1	381.362	1
Sialkot	Sialkot	Kotli Loharan QH	Miani Awanan PC	Aimma	762.72	0.0708	1	381.362	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 1 PC	Garhi Bhora	766.53	0.0712	1	383.266	1
Sialkot	Daska	Daska I QH	Glotian Kalan PC	Chak Gillan	771.61	0.0716	1	385.804	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Wadhal	772.88	0.0717	1	386.439	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Bogar Gul	776.68	0.0721	1	388.342	1
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Gurz Bardar	779.22	0.0723	1	389.612	1
Sialkot	Daska	Daska I QH	Glotian Khurd PC	Kotli Munga	780.49	0.0725	1	390.246	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Chela	781.76	0.0726	1	390.881	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 2 PC	Kotli Shamas	784.30	0.0728	1	392.150	1
Sialkot	Sambrial	Gojra QH	Kharolian Aslampur PC	Kore Pur	789.38	0.0733	1	394.688	1
Sialkot	Sialkot	Gunna Kalan QH	Wadian Wala PC	Dahonda	789.38	0.0733	1	394.688	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Begum Pur	793.18	0.0736	1	396.592	1
Sialkot	Sialkot	Phoklian QH	Kachhi Mand PC	Bali Pur	796.99	0.0740	1	398.495	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Wirk	799.53	0.0742	1	399.764	1
Sialkot	Daska	Wadala Sandoan QH	Chhangi PC	Nand Pur	803.34	0.0746	1	401.668	1
Sialkot	Sialkot	Kotli Loharan QH	Gujral PC	Chak Wazira	803.34	0.0746	1	401.668	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Derh	808.41	0.0750	1	404.206	1
Sialkot	Sambrial	Gojra QH	Dhillam No Ii PC	Behdar	808.41	0.0750	1	404.206	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Kalo Wali	810.95	0.0753	1	405.475	1
Sialkot	Daska	Daska I QH	Dhamonke PC	Thatta	814.76	0.0756	1	407.379	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Kahlanwali	814.76	0.0756	1	407.379	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No I PC	Hassan Bhatian	814.76	0.0756	1	407.379	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Naukarian	814.76	0.0756	1	407.379	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Daulatan Wali	814.76	0.0756	1	407.379	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Shah Hussain	816.03	0.0758	1	408.013	1
Sialkot	Pasrur	Class Wala QH	Jeewan Dhelwan PC	Ballo Tola	817.30	0.0759	1	408.648	1
Sialkot	Sialkot	Khambrawala QH	Kapuro Wali PC	Badian	817.30	0.0759	1	408.648	1
Sialkot	Sambrial	Dhanan Wali QH	Kalowal PC	Lale Wali	818.56	0.0760	1	409.282	1
Sialkot	Sambrial	Gojra QH	Ghartal PC	Chhelu Ke	818.56	0.0760	1	409.282	1
Sialkot	Pasrur	Choubara QH	Pindi Bhago PC	Mirza Pur	821.10	0.0762	1	410.552	1
Sialkot	Sialkot	Kotli Loharan QH	Hamun Gakhar No 2 PC	Rawaal	821.10	0.0762	1	410.552	1
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 1 PC	Do-Burji	824.91	0.0766	1	412.455	1
Sialkot	Daska	Wadala Sandoan QH	Chhangi PC	Shitab Gahr	826.18	0.0767	1	413.090	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Jhakar	828.72	0.0769	1	414.359	1
Sialkot	Pasrur	Chawinda QH	Godgor PC	Akar Pur	831.26	0.0772	1	415.628	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Khokhar Chhaba	831.26	0.0772	1	415.628	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Nand Pur	831.26	0.0772	1	415.628	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 1 PC	Tongar	832.52	0.0773	1	416.262	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Shah Pur	833.79	0.0774	1	416.897	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Sakandar Pur	842.68	0.0782	1	421.339	1
Sialkot	Sialkot	Gunna Kalan QH	Wadian Wala PC	Chak Loharan	842.68	0.0782	1	421.339	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Kot Bagrian	845.22	0.0785	1	422.608	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Chak Harar	846.49	0.0786	1	423.243	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Dunni Chand	846.49	0.0786	1	423.243	1
Sialkot	Sambrial	Sambrial QH	Saranke PC	Kot Surang	847.75	0.0787	1	423.877	1
Sialkot	Pasrur	Kingra QH	Rangoor PC	Gandial	851.56	0.0791	1	425.781	1
Sialkot	Sialkot	Phoklian QH	Beli PC	Beli	852.83	0.0792	1	426.415	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Kalewali	854.10	0.0793	1	427.050	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Dera	855.37	0.0794	1	427.684	1
Sialkot	Sialkot	Phoklian QH	Phoklian PC	Kotli Dilpatian	859.18	0.0798	1	429.588	1
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Khambe	860.45	0.0799	1	430.223	1
Sialkot	Sialkot	Kotli Loharan QH	Jastar Wal PC	Kotli Pathanan	860.45	0.0799	1	430.223	1
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Garh Ruppa	860.45	0.0799	1	430.223	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Role Wal	861.71	0.0800	1	430.857	1
Sialkot	Pasrur	Choubara QH	Chahar Bajwa PC	Kundal	864.25	0.0802	1	432.126	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Marala	865.52	0.0803	1	432.761	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Isa	866.79	0.0805	1	433.395	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Ahal Solahrian	869.33	0.0807	1	434.664	1
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Ragnath Pur	871.87	0.0809	1	435.933	1
Sialkot	Daska	Mirza Goraya QH	Ghoinke PC	Mohammad Pura (Kutian W	875.67	0.0813	1	437.837	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Mahmood Ke	875.67	0.0813	1	437.837	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Bhago Bhatti	875.67	0.0813	1	437.837	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Wadho Wali	878.21	0.0815	1	439.106	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Saroba	880.75	0.0818	1	440.375	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Bhajwal	880.75	0.0818	1	440.375	1
Sialkot	Daska	Budha Goraya QH	Gujarke No 1 PC	Chak Miana	887.10	0.0824	1	443.548	1
Sialkot	Pasrur	Pasrur Ii QH	Kachian Bhattian PC	Kachhian Bhattian	887.10	0.0824	1	443.548	1
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Kolti Nahangan	888.37	0.0825	1	444.183	1
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Balggan	888.37	0.0825	1	444.183	1
Sialkot	Pasrur	Choubara QH	Charwah No Ii PC	Noni	893.44	0.0829	1	446.721	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Bhartal	897.25	0.0833	1	448.624	1
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Pir Kot	898.52	0.0834	1	449.259	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Kajlial	898.52	0.0834	1	449.259	1
Sialkot	Sialkot	Gunna Kalan QH	Bhagowal PC	Nawadey	898.52	0.0834	1	449.259	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No Ii PC	Tatar Pur	901.06	0.0836	1	450.528	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Umran Wali	901.06	0.0836	1	450.528	1
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Chuhan	902.33	0.0838	1	451.163	1
Sialkot	Sialkot	Sialkot I QH	Moman No 2 PC	Moghalanwali	903.59	0.0839	1	451.797	1
Sialkot	Daska	Daska Ii QH	Goindke PC	Kot Goindke	904.86	0.0840	1	452.432	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Palura Khurd	908.67	0.0844	1	454.335	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Mehta Asso	909.94	0.0845	1	454.970	1
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Kaserey	911.21	0.0846	1	455.604	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Chak Sukha	916.29	0.0851	1	458.143	1
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Kot Mian	917.55	0.0852	1	458.777	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Chak Jaita	917.55	0.0852	1	458.777	1
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Maggu Kaman	917.55	0.0852	1	458.777	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 1 PC	Kotli Momin	921.36	0.0855	1	460.681	1
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Kotli Joiyan	921.36	0.0855	1	460.681	1
Sialkot	Daska	Wadala Sandoan QH	Akbar PC	Kotli Khara	922.63	0.0857	1	461.315	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Khajuri Wala	926.44	0.0860	1	463.219	1
Sialkot	Daska	Mirza Goraya QH	Targa PC	Sambal Pur	928.98	0.0862	1	464.488	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Jagat Pur	930.25	0.0864	1	465.123	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 2 PC	Tarokana	930.25	0.0864	1	465.123	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Khoray	931.51	0.0865	1	465.757	1
Sialkot	Pasrur	Chawinda QH	Pourab Kaler PC	Sangat Pur	937.86	0.0871	1	468.930	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Chak Atma Ram	939.13	0.0872	1	469.564	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Kotli Tarkhanan	942.94	0.0875	1	471.468	1
Sialkot	Pasrur	Pasrur I QH	Charwand PC	Chrawand	946.74	0.0879	1	473.372	1
Sialkot	Sambrial	Dhanan Wali QH	Mango Bahram PC	Kot Bhaga	946.74	0.0879	1	473.372	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Badser	946.74	0.0879	1	473.372	1
Sialkot	Pasrur	Pasrur Ii QH	Kachian Bhattian PC	Malahoke	948.01	0.0880	1	474.006	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Hargan	951.82	0.0884	1	475.910	1
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Mahal Chhanawan	951.82	0.0884	1	475.910	1
Sialkot	Sialkot	Phoklian QH	Sika PC	Zinda	951.82	0.0884	1	475.910	1
Sialkot	Pasrur	Saukanwind QH	Gaythlian PC	Kot Gondal	953.09	0.0885	1	476.544	1
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Nand Pur	956.90	0.0888	1	478.448	1
Sialkot	Pasrur	Kingra QH	Baghaiari PC	Gandial Ali Mardan	959.43	0.0891	1	479.717	1
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Madoke	960.70	0.0892	1	480.352	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Chandar	961.97	0.0893	1	480.986	1
Sialkot	Pasrur	Choubara QH	Mastpur PC	Farid Pur	970.86	0.0901	1	485.428	1
Sialkot	Pasrur	Choubara QH	Mastpur PC	Chak Marl	973.39	0.0904	1	486.697	1
Sialkot	Sialkot	Khambrawala QH	Bharthan Wala PC	Bholan Wala	973.39	0.0904	1	486.697	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 1 PC	Kalu Piara	975.93	0.0906	1	487.966	1
Sialkot	Sambrial	Sambrial QH	Saranke PC	Ghumnan Wali	977.20	0.0907	1	488.601	1
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Daulo Ke	978.47	0.0908	1	489.235	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Mahmu Joya	979.74	0.0910	1	489.870	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Chak Machhana	981.01	0.0911	1	490.504	1
Sialkot	Pasrur	Kingra QH	Siowal PC	Darya Nangal	981.01	0.0911	1	490.504	1
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Qadian Wali	982.28	0.0912	1	491.139	1
Sialkot	Pasrur	Class Wala QH	Dhodah PC	Daulo Wali	982.28	0.0912	1	491.139	1
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Gul Chandar	986.09	0.0915	1	493.043	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	None	986.09	0.0915	1	493.043	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Changarian	987.35	0.0917	1	493.677	1
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Teh Dargahi	987.35	0.0917	1	493.677	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Kotli Dhodian	988.62	0.0918	1	494.312	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Munwar Pur	988.62	0.0918	1	494.312	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Pohla	989.89	0.0919	1	494.946	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Jalo Wali	992.43	0.0921	1	496.215	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Jeo Wali	996.24	0.0925	1	498.119	1
Sialkot	Sialkot	Khambrawala QH	Chatti Sheikhan No 1 PC	Chak Adil	997.51	0.0926	1	498.754	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Majwal	997.51	0.0926	1	498.754	1
Sialkot	Pasrur	Saukanwind QH	Chuhar Munda PC	Bharo Ke	1002.58	0.0931	1	501.292	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Jamal Pur	1002.58	0.0931	1	501.292	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Sarhal	1006.39	0.0934	1	503.195	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Lodi Jajjah	1006.39	0.0934	1	503.195	1
Sialkot	Sialkot	Chaprar Khas QH	Rawal PC	Parwal	1008.93	0.0937	1	504.464	1
Sialkot	Pasrur	Pasrur Ii QH	Panwana PC	Goweda	1011.47	0.0939	1	505.734	1
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Dogri	1016.54	0.0944	1	508.272	1
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 2 PC	Kishan Pura	1024.16	0.0951	1	512.079	1
Sialkot	Pasrur	Choubara QH	Nakwal No 2 PC	Chak Lala	1027.97	0.0954	1	513.983	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Uncha Khurd	1038.12	0.0964	1	519.059	1
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Shark Pur	1039.39	0.0965	1	519.694	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Chadiala	1040.66	0.0966	1	520.328	1
Sialkot	Pasrur	Class Wala QH	Noorpur PC	Tayyab Bhota	1041.93	0.0967	1	520.963	1
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Jhangi Shah Khaki	1041.93	0.0967	1	520.963	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No Ii PC	Pipli Wala	1044.46	0.0970	1	522.232	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Mahet Pur	1050.81	0.0976	1	525.404	1
Sialkot	Daska	Daska Ii QH	Jandosahi PC	Jahangir	1057.15	0.0981	1	528.577	1
Sialkot	Pasrur	Class Wala QH	Paharang Uncha PC	Chak Doalare	1057.15	0.0981	1	528.577	1
Sialkot	Sialkot	Phoklian QH	Sirh PC	Kotli Manalian	1058.42	0.0983	1	529.212	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Karengali	1059.69	0.0984	1	529.846	1
Sialkot	Sialkot	Kotli Loharan QH	Machrala PC	Kotli Ranjan	1060.96	0.0985	1	530.481	1
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 2 PC	Golu Phala	1060.96	0.0985	1	530.481	1
Sialkot	Daska	Daska Ii QH	Metran Wali No 1 PC	Sakhu Nahar	1062.23	0.0986	1	531.115	1
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Kalo Ke	1062.23	0.0986	1	531.115	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Shahrak PC	Haral	1064.77	0.0988	1	532.384	1
Sialkot	Pasrur	Choubara QH	Nakwal No 2 PC	Jhumian	1071.11	0.0994	1	535.557	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Mahmood Pur	1071.11	0.0994	1	535.557	1
Sialkot	Daska	Daska Ii QH	Ghalibke No Ii PC	Sahib Rehan	1073.65	0.0997	1	536.826	1
Sialkot	Daska	Wadala Sandoan QH	Satrah No 2 PC	Dindal	1074.92	0.0998	1	537.461	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Diawra	1076.19	0.0999	1	538.095	1
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Chak Bidya	1077.46	0.1000	1	538.730	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 2 PC	Bakharpur	1080.00	0.1003	1	539.999	1
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 1 PC	Sarfaraz Pur	1080.00	0.1003	1	539.999	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Rupowali	1083.81	0.1006	1	541.903	1
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Chhani Asran	1085.07	0.1007	1	542.537	1
Sialkot	Sambrial	Gojra QH	Dhillam No I PC	Nand Pur	1086.34	0.1008	1	543.172	1
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Kotli Ramdas	1088.88	0.1011	1	544.441	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Ado Ke	1088.88	0.1011	1	544.441	1
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Kale Wali	1091.42	0.1013	1	545.710	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Taho	1091.42	0.1013	1	545.710	1
Sialkot	Pasrur	Kingra QH	Dogri Harian PC	Mahmad Wali	1095.23	0.1017	1	547.614	1
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Jassowali	1099.03	0.1020	1	549.517	1
Sialkot	Daska	Budha Goraya QH	Gujarke No 1 PC	Gujarke	1105.38	0.1026	1	552.690	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No Ii PC	Sangrai Pur	1106.65	0.1027	1	553.325	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Jam Ke Dhendsah	1106.65	0.1027	1	553.325	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Khalilpur	1107.92	0.1029	1	553.959	1
Sialkot	Sambrial	Gojra QH	Bhola Musa PC	Kotli Bawarian	1109.19	0.1030	1	554.594	1
Sialkot	Pasrur	Kingra QH	Rangoor PC	Sapwal	1110.46	0.1031	1	555.228	1
Sialkot	Sambrial	Sambrial QH	Majra Kalan PC	Kotha Pardan Singh	1111.73	0.1032	1	555.863	1
Sialkot	Daska	Daska Ii QH	Ghalibke No Ii PC	Kot Masta	1115.53	0.1036	1	557.766	1
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Gidh Pur	1116.80	0.1037	1	558.401	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Choubara QH	Choubara PC	Sarvanike	1116.80	0.1037	1	558.401	1
Sialkot	Sialkot	Chaprar Khas QH	Zahoora PC	Ramoon Chak	1116.80	0.1037	1	558.401	1
Sialkot	Pasrur	Pasrur Ii QH	Balggan PC	Chaiwali	1119.34	0.1039	1	559.670	1
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Jhar	1120.61	0.1040	1	560.305	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Pandori	1121.88	0.1041	1	560.939	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Jhan	1121.88	0.1041	1	560.939	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Osah	1125.69	0.1045	1	562.843	1
Sialkot	Sambrial	Dhanan Wali QH	Kalowal PC	Rattala	1125.69	0.1045	1	562.843	1
Sialkot	Daska	Budha Goraya QH	Lahorike PC	Wahla	1126.95	0.1046	1	563.477	1
Sialkot	Sialkot	Khambrawala QH	Bharthan Wala PC	Mongar	1126.95	0.1046	1	563.477	1
Sialkot	Sialkot	Phoklian QH	Jhang PC	Chak Pondrah	1128.22	0.1047	1	564.112	1
Sialkot	Pasrur	Saukanwind QH	Thatha Bawa PC	Thatha Sarkari	1129.49	0.1049	1	564.746	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Durgal	1130.76	0.1050	1	565.381	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No I PC	Kotli Mughlan	1130.76	0.1050	1	565.381	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Chhanga	1130.76	0.1050	1	565.381	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No I PC	Kang	1132.03	0.1051	1	566.015	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Salhowal	1133.30	0.1052	1	566.650	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No I PC	Saian Wala	1133.30	0.1052	1	566.650	1
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Qazi Paharang	1137.11	0.1056	1	568.554	1
Sialkot	Sialkot	Kotli Loharan QH	Miani Awanan PC	Matarhal Khurd	1139.65	0.1058	1	569.823	1
Sialkot	Pasrur	Kingra QH	Chahur PC	Aespur	1147.26	0.1065	1	573.630	1
Sialkot	Pasrur	Kingra QH	Parel No 1 PC	Tulsi Pur	1148.53	0.1066	1	574.265	1
Sialkot	Sambrial	Dhanan Wali QH	Hamboke PC	Miran Pindi	1148.53	0.1066	1	574.265	1
Sialkot	Daska	Budha Goraya QH	Gujarke No 2 PC	Kot Ani Singh	1152.34	0.1070	1	576.168	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Waryam	1152.34	0.1070	1	576.168	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Dhar Kali	1156.14	0.1073	1	578.072	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Paktal	1156.14	0.1073	1	578.072	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Lakhan Ke	1156.14	0.1073	1	578.072	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Khokhar	1157.41	0.1074	1	578.706	1
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Chak Kharana	1158.68	0.1076	1	579.341	1
Sialkot	Sambrial	Gojra QH	Badoke PC	Sahibke	1162.49	0.1079	1	581.245	1
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Mahal Magra	1163.76	0.1080	1	581.879	1
Sialkot	Daska	Budha Goraya QH	Jandoke PC	Kotli Daso Singh	1165.03	0.1082	1	582.514	1
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Haibat Pur	1165.03	0.1082	1	582.514	1
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Sakandar Pur	1165.03	0.1082	1	582.514	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Lalu Ke	1165.03	0.1082	1	582.514	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Harnanwali	1167.57	0.1084	1	583.783	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Punjgarain	1167.57	0.1084	1	583.783	1
Sialkot	Pasrur	Chawinda QH	Kalewali PC	Ballo Wali	1168.83	0.1085	1	584.417	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Ais Pur	1172.64	0.1089	1	586.321	1
Sialkot	Daska	Daska I QH	Kot Daska (Mandran Wala 2 PC	Kot Daska	1175.18	0.1091	1	587.590	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Mal Chhan	1175.18	0.1091	1	587.590	1
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Kot Kalan	1176.45	0.1092	1	588.225	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Jajje	1180.26	0.1096	1	590.128	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Mahal Kotli	1181.53	0.1097	1	590.763	1
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Bodi	1184.06	0.1099	1	592.032	1
Sialkot	Sialkot	Sialkot I QH	Moman No 2 PC	Kotli Amir Ali	1185.33	0.1100	1	592.666	1
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Chak Kala	1186.60	0.1102	1	593.301	1
Sialkot	Sialkot	Chaprar Khas QH	Chappar Khas PC	Malager Pur	1187.87	0.1103	1	593.936	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Malhowal	1192.95	0.1107	1	596.474	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Gojar Goraya	1198.02	0.1112	1	599.012	1
Sialkot	Sambrial	Gojra QH	Ghartal PC	Baryar	1198.02	0.1112	1	599.012	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Daulo Bhelo	1204.37	0.1118	1	602.185	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Gurdan Pur	1204.37	0.1118	1	602.185	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Tilak Pur	1208.18	0.1122	1	604.088	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Delawar Bajwa Bhag	1214.52	0.1127	1	607.261	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Venus Ucha	1214.52	0.1127	1	607.261	1
Sialkot	Sambrial	Gojra QH	Chak Bhada PC	Farhad Pur	1215.79	0.1129	1	607.896	1
Sialkot	Sialkot	Chaprar Khas QH	Rawal PC	Dhangal	1215.79	0.1129	1	607.896	1
Sialkot	Sambrial	Gojra QH	Bhola Musa PC	Chak Kupa	1220.87	0.1133	1	610.434	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Suraj	1222.14	0.1135	1	611.068	1
Sialkot	Sialkot	Chaprar Khas QH	Zahoora PC	Pindi Hiran	1228.48	0.1140	1	614.241	1
Sialkot	Pasrur	Chawinda QH	Abdali PC	Nakhe	1231.02	0.1143	1	615.510	1
Sialkot	Sialkot	Chaprar Khas QH	Mehdi Pur PC	Dhul	1231.02	0.1143	1	615.510	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Bhadar Pur	1233.56	0.1145	1	616.779	1
Sialkot	Pasrur	Kingra QH	Throh PC	Islam Pur Throh	1233.56	0.1145	1	616.779	1
Sialkot	Daska	Daska I QH	Adamke PC	Harsian	1234.83	0.1146	1	617.414	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Chand	1234.83	0.1146	1	617.414	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Thathi Kalan	1238.63	0.1150	1	619.317	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Mohmadwali	1239.90	0.1151	1	619.952	1
Sialkot	Pasrur	Choubara QH	Galanwala PC	Kotli Solahrian	1242.44	0.1153	1	621.221	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Peru Shah	1251.33	0.1162	1	625.663	1
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Doalat Pur	1252.59	0.1163	1	626.297	1
Sialkot	Sambrial	Gojra QH	Dhillam No I PC	Umer Ke	1252.59	0.1163	1	626.297	1
Sialkot	Daska	Daska I QH	Raja Ghumaon PC	Kotli Kupa	1253.86	0.1164	1	626.932	1
Sialkot	Pasrur	Class Wala QH	Bholer No 2 PC	Basrai	1253.86	0.1164	1	626.932	1
Sialkot	Sialkot	Phoklian QH	Chak Santal PC	Kahalian	1255.13	0.1165	1	627.566	1
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Charer	1258.94	0.1169	1	629.470	1
Sialkot	Pasrur	Class Wala QH	Talwandi Inayat Khan PC	Kotli Khawaja	1262.75	0.1172	1	631.374	1
Sialkot	Pasrur	Chawinda QH	Godgor PC	Saide Wali	1264.02	0.1173	1	632.008	1
Sialkot	Daska	Budha Goraya QH	Kassoo Wala PC	Gagar Wali	1265.29	0.1175	1	632.643	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Daska	Mirza Goraya QH	Adha PC	Jando	1265.29	0.1175	1	632.643	1
Sialkot	Sialkot	Gunna Kalan QH	Pathan Wali PC	Bhoni	1267.82	0.1177	1	633.912	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Hanjrai	1272.90	0.1182	1	636.450	1
Sialkot	Sialkot	Kotli Loharan QH	Gujral PC	Mandhal	1272.90	0.1182	1	636.450	1
Sialkot	Daska	Mirza Goraya QH	Seoke PC	Dharam Kot	1279.25	0.1188	1	639.623	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Baqir Pur	1281.78	0.1190	1	640.892	1
Sialkot	Pasrur	Kingra QH	Peral No Ii PC	Dhamala Hakimwala	1283.05	0.1191	1	641.526	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Mahal Data	1284.32	0.1192	1	642.161	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Badipur	1288.13	0.1196	1	644.065	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Saoli	1289.40	0.1197	1	644.699	1
Sialkot	Sambrial	Gojra QH	Chak Bhada PC	Fateh Garh	1293.21	0.1201	1	646.603	1
Sialkot	Daska	Daska Ii QH	Ghalibke No I PC	Ghalibke	1302.09	0.1209	1	651.045	1
Sialkot	Daska	Daska I QH	Jaisar Wala PC	Gaga	1305.90	0.1212	1	652.948	1
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Beechowal	1308.43	0.1215	1	654.217	1
Sialkot	Pasrur	Pasrur Ii QH	Kachian Bhattian PC	Usahke	1309.70	0.1216	1	654.852	1
Sialkot	Sialkot	Gunna Kalan QH	Bhagowal PC	Makabir	1310.97	0.1217	1	655.487	1
Sialkot	Sialkot	Phoklian QH	Hail Bajwan PC	Marwal	1310.97	0.1217	1	655.487	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Bhullad Pur	1312.24	0.1218	1	656.121	1
Sialkot	Pasrur	Kingra QH	Rangoor PC	Kartal	1312.24	0.1218	1	656.121	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 2 PC	Galbala	1313.51	0.1219	1	656.756	1
Sialkot	Daska	Budha Goraya QH	Koreke PC	Padali	1316.05	0.1222	1	658.025	1
Sialkot	Daska	Budha Goraya QH	Lahorike PC	Kot Banda	1321.13	0.1226	1	660.563	1
Sialkot	Sialkot	Khambrawala QH	Kapuro Wali PC	Lal Pur	1321.13	0.1226	1	660.563	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Ghamnal	1327.47	0.1232	1	663.736	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Venus Newan	1328.74	0.1234	1	664.370	1
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Jaspal	1330.01	0.1235	1	665.005	1
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Dhona	1332.55	0.1237	1	666.274	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Mahal Bahutre	1332.55	0.1237	1	666.274	1
Sialkot	Sambrial	Dhanan Wali QH	Suraj PC	Ditto Wali	1333.82	0.1238	1	666.908	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No I PC	Bajra Garhi	1336.35	0.1241	1	668.177	1
Sialkot	Pasrur	Choubara QH	Charwah No I PC	Thakariala	1345.24	0.1249	1	672.619	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Anola	1347.78	0.1251	1	673.888	1
Sialkot	Pasrur	Pasrur Ii QH	Kachian Bhattian PC	Nukarian(Mughlian)	1349.05	0.1252	1	674.523	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 1 PC	Chak Baraham	1354.12	0.1257	1	677.061	1
Sialkot	Daska	Daska I QH	Lodhe PC	Shamsa	1359.20	0.1262	1	679.599	1
Sialkot	Pasrur	Class Wala QH	Rupowali PC	Fatah	1360.47	0.1263	1	680.234	1
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 2 PC	Kotli Nargat	1363.01	0.1265	1	681.503	1
Sialkot	Pasrur	Choubara QH	Mastpur PC	Ahmad Pur	1366.81	0.1269	1	683.407	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Hossa Jajjah	1368.08	0.1270	1	684.041	1
Sialkot	Sambrial	Dhanan Wali QH	Mango Bahram PC	Kot Chohda	1368.08	0.1270	1	684.041	1
Sialkot	Sialkot	Chaprar Khas QH	Kandan Pur PC	Chak Khanan	1368.08	0.1270	1	684.041	1
Sialkot	Pasrur	Kingra QH	Dogri Harian PC	Khan Hari	1375.70	0.1277	1	687.848	1
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Sayyan	1376.97	0.1278	1	688.483	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Habib Pur	1376.97	0.1278	1	688.483	1
Sialkot	Pasrur	Kingra QH	Throh PC	Shaheed Pur Throh	1378.23	0.1279	1	689.117	1
Sialkot	Pasrur	Choubara QH	Rurki Kalan PC	Sial	1380.77	0.1282	1	690.387	1
Sialkot	Pasrur	Chawinda QH	Godgor PC	Dulmanwali	1382.04	0.1283	1	691.021	1
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Dolam Bajwa(Doam Wala)	1382.04	0.1283	1	691.021	1
Sialkot	Daska	Wadala Sandoan QH	Chak Aggu PC	Loharan Wali	1384.58	0.1285	1	692.290	1
Sialkot	Daska	Budha Goraya QH	Gajj PC	Gajj	1389.66	0.1290	1	694.828	1
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Hassan Wal	1390.93	0.1291	1	695.463	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Romal Jattan	1392.19	0.1292	1	696.097	1
Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 2 PC	Khuprala	1393.46	0.1294	1	696.732	1
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 1 PC	Gopi Pur	1402.35	0.1302	1	701.174	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Jeto Gill	1402.35	0.1302	1	701.174	1
Sialkot	Sialkot	Gunna Kalan QH	Gunna Kalan No 1 PC	Kot Rajkor	1403.62	0.1303	1	701.808	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 2 PC	Kharana	1407.42	0.1307	1	703.712	1
Sialkot	Sialkot	Kotli Loharan QH	Rum PC	Kahkwal	1407.42	0.1307	1	703.712	1
Sialkot	Sialkot	Sialkot I QH	Hundal PC	Sirajwali	1412.50	0.1311	1	706.250	1
Sialkot	Daska	Daska Ii QH	Ghalibke No Ii PC	Nokrian	1413.77	0.1312	1	706.885	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 2 PC	Kotli Baba Hira	1417.58	0.1316	1	708.788	1
Sialkot	Pasrur	Pasrur I QH	Pasrur No 2 PC	Alkarah	1417.58	0.1316	1	708.788	1
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 2 PC	Man Pur	1421.38	0.1320	1	710.692	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Sohdian	1423.92	0.1322	1	711.961	1
Sialkot	Pasrur	Class Wala QH	Mian Harpal PC	Mian Harpal	1426.46	0.1324	1	713.230	1
Sialkot	Pasrur	Saukanwind QH	Bhure Ke PC	Fateh Wali	1427.73	0.1325	1	713.865	1
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Thatha Milkhi	1429.00	0.1327	1	714.499	1
Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 1 PC	Gaggar Wali	1430.27	0.1328	1	715.134	1
Sialkot	Pasrur	Class Wala QH	Dhodah PC	Aidalpur	1431.54	0.1329	1	715.768	1
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 2 PC	Ismail Ke	1436.61	0.1334	1	718.307	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 1 PC	Sadrah	1444.23	0.1341	1	722.114	1
Sialkot	Daska	Mirza Goraya QH	Adam Daraz No 2 PC	Lakra Khurd	1445.50	0.1342	1	722.748	1
Sialkot	Pasrur	Chawinda QH	Abdali PC	Manjke	1449.30	0.1345	1	724.652	1
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Warsalke	1449.30	0.1345	1	724.652	1
Sialkot	Sialkot	Chaprar Khas QH	Hail Jattan PC	Chadiali	1454.38	0.1350	1	727.190	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Chak Lassu	1456.92	0.1353	1	728.459	1
Sialkot	Pasrur	Class Wala QH	Basiwala PC	Taqi Pur	1459.46	0.1355	1	729.728	1
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Sarai Shah Fatah	1460.73	0.1356	1	730.363	1
Sialkot	Sambrial	Gojra QH	Dhillam No Ii PC	Lidiki	1460.73	0.1356	1	730.363	1
Sialkot	Daska	Daska Ii QH	Gojra No 2 PC	Qila Tek Singh	1462.00	0.1357	1	730.998	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Sahu Chak	1463.26	0.1358	1	731.632	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Daska	Mirza Goraya QH	Targa PC	Dogal	1467.07	0.1362	1	733.536	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Chak Sarwani	1468.34	0.1363	1	734.170	1
Sialkot	Sialkot	Sialkot Ii QH	Moman No I PC	Kharial	1468.34	0.1363	1	734.170	1
Sialkot	Pasrur	Chawinda QH	Abdali PC	Abdali	1470.88	0.1365	1	735.439	1
Sialkot	Daska	Budha Goraya QH	Koreke PC	Faqiran Wali	1472.15	0.1367	1	736.074	1
Sialkot	Sialkot	Khambrawala QH	Jhatta PC	Kot Harar	1473.42	0.1368	1	736.708	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Chak Sanga	1474.69	0.1369	1	737.343	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Wahga	1477.22	0.1371	1	738.612	1
Sialkot	Daska	Wadala Sandoan QH	Noshehra No 2 PC	Golian	1478.49	0.1373	1	739.247	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Kotli Tarar	1484.84	0.1378	1	742.419	1
Sialkot	Sialkot	Kotli Loharan QH	Kotli Loharan No 1 PC	Dhapai	1486.11	0.1380	1	743.054	1
Sialkot	Sialkot	Sialkot Ii QH	Ballan Wala PC	Saido Behlol	1486.11	0.1380	1	743.054	1
Sialkot	Sambrial	Gojra QH	Godhala No I PC	Paraneke	1488.65	0.1382	1	744.323	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Chhaal	1492.45	0.1385	1	746.227	1
Sialkot	Sialkot	Khambrawala QH	Saroba PC	Ran	1492.45	0.1385	1	746.227	1
Sialkot	Daska	Mirza Goraya QH	Piro Chak PC	Daoke Kalan	1493.72	0.1387	1	746.861	1
Sialkot	Sialkot	Phoklian QH	Jhang PC	Jhang	1496.26	0.1389	1	748.130	1
Sialkot	Pasrur	Chawinda QH	Alhar PC	Chak Dia Singh	1497.53	0.1390	1	748.765	1
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 2 PC	Pahari Pur	1503.88	0.1396	1	751.938	1
Sialkot	Pasrur	Choubara QH	Kaloi PC	Kaloi	1503.88	0.1396	1	751.938	1
Sialkot	Sialkot	Khambrawala QH	Khambranwala PC	Gorian	1506.41	0.1398	1	753.207	1
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Kotli Kokian	1507.68	0.1400	1	753.841	1
Sialkot	Pasrur	Choubara QH	Pindi Bhago PC	Chak Araiyan	1508.95	0.1401	1	754.476	1
Sialkot	Pasrur	Kingra QH	Najo Chak PC	Bhadyari	1508.95	0.1401	1	754.476	1
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Sal	1510.22	0.1402	1	755.110	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Gill	1512.76	0.1404	1	756.379	1
Sialkot	Sambrial	Dhanan Wali QH	Mango Bahram PC	Mango Bahram	1512.76	0.1404	1	756.379	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Dinga	1514.03	0.1406	1	757.014	1
Sialkot	Pasrur	Chawinda QH	Bheloke PC	Gale Wali	1520.37	0.1411	1	760.187	1
Sialkot	Daska	Mirza Goraya QH	Nagoor PC	Kot Karam Bukhsh	1521.64	0.1413	1	760.821	1
Sialkot	Sialkot	Gunna Kalan QH	Bhoth No 2 PC	Mahal Tonkan	1522.91	0.1414	1	761.456	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Khanoor	1525.45	0.1416	1	762.725	1
Sialkot	Daska	Budha Goraya QH	Matteke Nagra PC	Bhullar	1529.26	0.1420	1	764.629	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Khokhar	1536.87	0.1427	1	768.436	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Tikka	1540.68	0.1430	1	770.339	1
Sialkot	Pasrur	Kingra QH	Throh PC	Dheroke	1541.95	0.1431	1	770.974	1
Sialkot	Daska	Budha Goraya QH	Matteke Nagra PC	Matele	1544.49	0.1434	1	772.243	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Bahram Pur	1544.49	0.1434	1	772.243	1
Sialkot	Sambrial	Sambrial QH	Jethike PC	Dhamian	1544.49	0.1434	1	772.243	1
Sialkot	Sialkot	Phoklian QH	Bhains PC	Bhains	1544.49	0.1434	1	772.243	1
Sialkot	Daska	Wadala Sandoan QH	Akbar PC	Tahli Wala	1548.29	0.1437	1	774.147	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 1 PC	Sabu Sanda	1548.29	0.1437	1	774.147	1
Sialkot	Pasrur	Pasrur Ii QH	Panwana PC	Thathi (Ahmed Nagar)	1552.10	0.1441	1	776.050	1
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 2 PC	Kotli Har Naraian	1558.45	0.1447	1	779.223	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Bhakaryali	1562.25	0.1450	1	781.127	1
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 1 PC	Kot Kalal	1564.79	0.1453	1	782.396	1
Sialkot	Pasrur	Pasrur I QH	Nangal Ramchand PC	Nangal Ramchand	1566.06	0.1454	1	783.030	1
Sialkot	Daska	Wadala Sandoan QH	Chhanga No 2 PC	Rao Ke	1567.33	0.1455	1	783.665	1
Sialkot	Pasrur	Chawinda QH	Abdali PC	Salimke	1567.33	0.1455	1	783.665	1
Sialkot	Pasrur	Chawinda QH	Pourab Kaler PC	Bhatte	1567.33	0.1455	1	783.665	1
Sialkot	Pasrur	Pasrur I QH	Bhag PC	Kamla Bhag	1569.87	0.1457	1	784.934	1
Sialkot	Pasrur	Saukanwind QH	Harwens Pur PC	Shamir Pur	1577.48	0.1464	1	788.741	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Jahar Mahia	1580.02	0.1467	1	790.010	1
Sialkot	Pasrur	Choubara QH	Chahar Bajwa PC	Seior	1587.64	0.1474	1	793.818	1

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Sialkot	Pasrur	Saukanwind QH	Kila Subha Sing No 1 PC	Bhelo Mattu	1595.25	0.1481	1	797.625	1
Sialkot	Pasrur	Choubara QH	Mairajke PC	Jamal Jand	1600.33	0.1486	1	800.163	1
Sialkot	Pasrur	Pasrur I QH	Kul Bajwah PC	Bholar Rohi Wala	1600.33	0.1486	1	800.163	1
Sialkot	Pasrur	Saukanwind QH	Miro Bhadyar PC	Muzaffar	1600.33	0.1486	1	800.163	1
Sialkot	Daska	Daska Ii QH	Metran Wali No 2 PC	Garaha	1614.29	0.1499	1	807.143	1
Sialkot	Sialkot	Gunna Kalan QH	Bhroke PC	Chandar	1616.82	0.1501	1	808.412	1
Sialkot	Daska	Wadala Sandoan QH	Sekhwan PC	Bar Yar	1618.09	0.1502	1	809.047	1
Sialkot	Pasrur	Chawinda QH	Nathu Kalair No 2 PC	Kol Pur	1618.09	0.1502	1	809.047	1
Sialkot	Pasrur	Kingra QH	Throh PC	Shekhupur Throh	1620.63	0.1504	1	810.316	1
Sialkot	Daska	Daska Ii QH	Sindhan Wala PC	Phangat	1625.71	0.1509	1	812.854	1
Sialkot	Pasrur	Pasrur I QH	Charwand PC	Dogri Hindlan	1628.25	0.1512	1	814.123	1
Sialkot	Pasrur	Saukanwind QH	Miro Bhadyar PC	Sabu Bhadyar	1630.78	0.1514	1	815.392	1
Sialkot	Pasrur	Chawinda QH	Budyana PC	Mahnga	1632.05	0.1515	1	816.027	1
Sialkot	Sialkot	Gunna Kalan QH	Garhi Bhora No 2 PC	Joyian	1633.32	0.1516	1	816.661	1
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Kotli Miani	1634.59	0.1517	1	817.296	1
Sialkot	Pasrur	Chawinda QH	Mondeki Berian PC	Kharpa	1635.86	0.1519	1	817.930	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No I PC	Pikki Garhi	1635.86	0.1519	1	817.930	1
Sialkot	Sialkot	Phoklian QH	Chak Santal PC	Shah Pur	1637.13	0.1520	1	818.565	1
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 2 PC	Baghal Mahal	1642.21	0.1525	1	821.103	1
Sialkot	Daska	Daska Ii QH	Ghalibke No I PC	Thakar Ke	1644.74	0.1527	1	822.372	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Baseer	1644.74	0.1527	1	822.372	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Jajje	1644.74	0.1527	1	822.372	1
Sialkot	Sialkot	Chaprar Khas QH	Mainder Wal PC	Mainder Wal	1647.28	0.1529	1	823.641	1
Sialkot	Sialkot	Gunna Kalan QH	Gurhi PC	Tong	1648.55	0.1530	1	824.276	1
Sialkot	Pasrur	Class Wala QH	Kalapahar PC	Kala Pahar	1656.17	0.1537	1	828.083	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Nambra	1656.17	0.1537	1	828.083	1
Sialkot	Pasrur	Choubara QH	Charwah No Ii PC	Mahal Tatarpur	1657.44	0.1539	1	828.718	1

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Sialkot	Pasrur	Kingra QH	Throh PC	Bambe	1657.44	0.1539	1	828.718	1
Sialkot	Sambrial	Gojra QH	Malkhan Wala PC	Nand Garh (Noorpur Syed	1658.70	0.1540	1	829.352	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Gagge Wali	1662.51	0.1543	1	831.256	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 2 PC	Rattowal	1662.51	0.1543	1	831.256	1
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 1 PC	Bahu Bhatti	1666.32	0.1547	1	833.160	1
Sialkot	Pasrur	Choubara QH	Salahanke PC	Salhi	1670.13	0.1550	1	835.063	1
Sialkot	Daska	Wadala Sandoan QH	Marhana PC	Manji Pur	1671.40	0.1552	1	835.698	1
Sialkot	Sialkot	Phoklian QH	Pul Bajwan PC	Pindi Bajwan	1675.20	0.1555	1	837.601	1
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 2 PC	Chakri	1677.74	0.1558	1	838.870	1
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Chicherriali	1677.74	0.1558	1	838.870	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Jhumbre	1679.01	0.1559	1	839.505	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Panwal	1679.01	0.1559	1	839.505	1
Sialkot	Sambrial	Dhanan Wali QH	Dhanan Wali PC	Abiala	1684.09	0.1563	1	842.043	1
Sialkot	Sialkot	Chaprar Khas QH	Rang Pur Jattan PC	Rang Pur Jattan	1690.43	0.1569	1	845.216	1
Sialkot	Sialkot	Kotli Loharan QH	Gujral PC	Chak Amboo	1692.97	0.1572	1	846.485	1
Sialkot	Sialkot	Phoklian QH	Chak Santal PC	Barhimtial	1694.24	0.1573	1	847.120	1
Sialkot	Daska	Wadala Sandoan QH	Bhikhi PC	Dherke	1698.05	0.1576	1	849.023	1
Sialkot	Pasrur	Class Wala QH	Takhat Pur PC	Sojo Wali	1698.05	0.1576	1	849.023	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 1 PC	Sohali	1698.05	0.1576	1	849.023	1
Sialkot	Daska	Daska I QH	Musewala PC	Musewala	1705.66	0.1583	1	852.830	1
Sialkot	Daska	Budha Goraya QH	Matteke Nagra PC	Kotla	1713.28	0.1590	1	856.638	1
Sialkot	Pasrur	Kingra QH	Dogri Harian PC	Matahari	1713.28	0.1590	1	856.638	1
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Bhular Meerwala	1717.08	0.1594	1	858.541	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Soroba	1720.89	0.1598	1	860.445	1
Sialkot	Daska	Mirza Goraya QH	Baqir Pur PC	Dholan	1723.43	0.1600	1	861.714	1
Sialkot	Sialkot	Chaprar Khas QH	Jhomian Dilalan PC	Bhatwal	1723.43	0.1600	1	861.714	1
Sialkot	Sialkot	Gunna Kalan QH	Kala Harawan PC	Durgan Wali	1723.43	0.1600	1	861.714	1

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Sialkot	Daska	Daska Ii QH	Ghalibke No Ii PC	Kot Ramdas	1724.70	0.1601	1	862.349	1
Sialkot	Sialkot	Gunna Kalan QH	Ora No 2 PC	Bhoj Pur	1731.04	0.1607	1	865.521	1
Sialkot	Pasrur	Choubara QH	Charwah No Ii PC	Jarwal	1732.31	0.1608	1	866.156	1
Sialkot	Sialkot	Sialkot Ii QH	Bhagwal No 1 PC	Shanker Pur	1732.31	0.1608	1	866.156	1
Sialkot	Sialkot	Sialkot Ii QH	Murad Pur No 2 PC	Malika Khurd	1734.85	0.1611	1	867.425	1
Sialkot	Pasrur	Class Wala QH	Dadu Bajwa PC	Naushehra	1737.39	0.1613	1	868.694	1
Sialkot	Sialkot	Kotli Loharan QH	Marakewal No 1 PC	Bahera	1737.39	0.1613	1	868.694	1
Sialkot	Pasrur	Pasrur Ii QH	Sarai Shah Fatah PC	Naul	1746.27	0.1621	1	873.136	1
Sialkot	Sambrial	Sambrial QH	Sahu Wala No 2 PC	Zafar Wali	1748.81	0.1623	1	874.405	1
Sialkot	Pasrur	Class Wala QH	Faqiran Wali PC	Faqiran Wali	1752.62	0.1627	1	876.309	1
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Mateke	1756.42	0.1631	1	878.212	1
Sialkot	Sialkot	Sialkot I QH	Dhera Sandha No 1 PC	Lakkan Pur	1758.96	0.1633	1	879.481	1
Sialkot	Daska	Wadala Sandoan QH	Virwala PC	Mallu Wali	1760.23	0.1634	1	880.116	1
Sialkot	Sialkot	Phoklian QH	Sirh PC	Sirh	1765.31	0.1639	1	882.654	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Kotli Baga	1769.12	0.1642	1	884.558	1
Sialkot	Sambrial	Sambrial QH	Kotli Nonan PC	Kotli Nonan	1774.19	0.1647	1	887.096	1
Sialkot	Pasrur	Choubara QH	Choubara PC	Rai Pur	1775.46	0.1648	1	887.731	1
Sialkot	Sialkot	Gunna Kalan QH	Mandian Wala PC	Varyo	1776.73	0.1649	1	888.365	1
Sialkot	Daska	Daska I QH	Lodhe PC	Bhalar	1778.00	0.1651	1	889.000	1
Sialkot	Pasrur	Kingra QH	Sabaz Kot No Ii PC	Pindi Minhasan	1778.00	0.1651	1	889.000	1
Sialkot	Pasrur	Choubara QH	Bajra Garhi No Ii PC	Dewowal	1781.81	0.1654	1	890.903	1
Sialkot	Pasrur	Choubara QH	Choubara PC	Chak Lala	1781.81	0.1654	1	890.903	1
Sialkot	Sambrial	Dhanan Wali QH	Tikka PC	Gagar	1785.61	0.1658	1	892.807	1
Sialkot	Pasrur	Kingra QH	Peral No Ii PC	Markal	1795.77	0.1667	1	897.883	1
Sialkot	Sialkot	Gunna Kalan QH	Bhroke PC	Jajjey Ramdas	1800.84	0.1672	1	900.421	1
Sialkot	Pasrur	Kingra QH	Jhatoke PC	Joya	1802.11	0.1673	1	901.056	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Mohreki	1807.19	0.1678	1	903.594	1

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Sialkot	Daska	Wadala Sandoan QH	Salhoke PC	Ram Rayan Kalan	1809.73	0.1680	1	904.863	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Ashiq Pur	1811.00	0.1681	1	905.498	1
Sialkot	Sialkot	Phoklian QH	Misyal (Mahal) PC	Mahal (Misyal)	1812.26	0.1682	1	906.132	1
Sialkot	Daska	Budha Goraya QH	Khando Wali PC	Bege Wali	1814.80	0.1685	1	907.401	1
Sialkot	Pasrur	Saukanwind QH	Uddofatah PC	Pann	1814.80	0.1685	1	907.401	1
Sialkot	Daska	Wadala Sandoan QH	Marhana PC	Noor Pur	1821.15	0.1691	1	910.574	1
Sialkot	Sambrial	Sambrial QH	Chao-Ke Kalan PC	Chao-Ke Kalan	1822.42	0.1692	1	911.209	1
Sialkot	Sialkot	Kotli Loharan QH	Rangpur Saroch PC	Shadiwal	1823.69	0.1693	1	911.843	1
Sialkot	Pasrur	Pasrur Ii QH	Randhawa PC	Kalo Wali	1827.49	0.1697	1	913.747	1
Sialkot	Pasrur	Class Wala QH	Rasool Pur PC	Wahla	1830.03	0.1699	1	915.016	1
Sialkot	Daska	Budha Goraya QH	Kanwanlit PC	Matteke	1831.30	0.1700	1	915.651	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Urki	1836.38	0.1705	1	918.189	1
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Lape Wali	1841.45	0.1709	1	920.727	1
Sialkot	Daska	Wadala Sandoan QH	Wadala Sandoan No 2 PC	Boreke	1845.26	0.1713	1	922.631	1
Sialkot	Pasrur	Saukanwind QH	Hossa Jajjah PC	Khan Jajjah	1845.26	0.1713	1	922.631	1
Sialkot	Sialkot	Chaprar Khas QH	Jhulki No 1 PC	Dhele	1849.07	0.1717	1	924.534	1
Sialkot	Sialkot	Sialkot Ii QH	Jorian Kalan PC	Sukhnian	1849.07	0.1717	1	924.534	1
Sialkot	Pasrur	Kingra QH	Dulam Kalowan No Ii PC	Khan Pur Sayyidan	1851.61	0.1719	1	925.803	1
Sialkot	Pasrur	Chawinda QH	Kapoor Pur PC	Kamal Pur	1852.88	0.1720	1	926.438	1
Sialkot	Pasrur	Chawinda QH	Khananwali PC	Kotli Gandran Jandran	1854.14	0.1721	1	927.072	1
Sialkot	Sambrial	Sambrial QH	Habib Pur PC	Pannun Atari	1856.68	0.1724	1	928.341	1
Sialkot	Pasrur	Choubara QH	Narsing PC	Alianwali	1857.95	0.1725	1	928.976	1
Sialkot	Sialkot	Sialkot Ii QH	Moman No I PC	Kot Manan	1861.76	0.1728	1	930.880	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Khadral	1874.45	0.1740	1	937.225	1
Sialkot	Sialkot	Phoklian QH	Looni PC	Looni	1878.26	0.1744	1	939.129	1
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Rajian	1883.33	0.1748	1	941.667	1
Sialkot	Sialkot	Kotli Loharan QH	Chadiala PC	Saggar	1890.95	0.1755	1	945.474	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Sambrial	Dhanan Wali QH	Hamboke PC	Hamboke	1892.22	0.1757	1	946.109	1
Sialkot	Pasrur	Choubara QH	Khanoor PC	Danga	1893.49	0.1758	1	946.743	1
Sialkot	Sialkot	Kotli Loharan QH	Miani Awanan PC	Koteroa	1893.49	0.1758	1	946.743	1
Sialkot	Sialkot	Phoklian QH	Kachhi Mand PC	Sahoti	1899.83	0.1764	1	949.916	1
Sialkot	Daska	Wadala Sandoan QH	Bhikhi PC	Sian	1904.91	0.1768	1	952.454	1
Sialkot	Daska	Budha Goraya QH	Gajj PC	Kotli Basakha Singh	1908.72	0.1772	1	954.358	1
Sialkot	Sialkot	Kotli Loharan QH	Dhale Wali PC	Sagri Pur	1908.72	0.1772	1	954.358	1
Sialkot	Sambrial	Sambrial QH	Pikki Garhi No I PC	Kot Mirth	1912.52	0.1775	1	956.262	1
Sialkot	Pasrur	Chawinda QH	Jajupur PC	Sarang Pur	1913.79	0.1777	1	956.896	1
Sialkot	Sialkot	Kotli Loharan QH	Pannowal No 1 PC	Pannowal	1925.21	0.1787	1	962.607	1
Sialkot	Pasrur	Chawinda QH	Sabuke PC	Sabuke	1927.75	0.1790	1	963.876	1
Sialkot	Pasrur	Choubara QH	Mastpur PC	Darya Pur	1929.02	0.1791	1	964.511	1
Sialkot	Pasrur	Pasrur Ii QH	Jodhala No Ii PC	Ganjianwali	1930.29	0.1792	1	965.145	1
Sialkot	Daska	Wadala Sandoan QH	Sekhwan PC	Kot Ghuman	1932.83	0.1794	1	966.414	1
Sialkot	Pasrur	Chawinda QH	Dogran Wali PC	Kotli Sayedan	1935.37	0.1797	1	967.683	1
Sialkot	Pasrur	Pasrur I QH	Banbajwah PC	Nanggal Kamala	1937.90	0.1799	1	968.952	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Nakwal	1940.44	0.1801	1	970.222	1
Sialkot	Pasrur	Kingra QH	Lulyal PC	Lulyal	1944.25	0.1805	1	972.125	1
Sialkot	Sialkot	Sialkot I QH	Moman No 2 PC	Syeddanwali	1945.52	0.1806	1	972.760	1
Sialkot	Sialkot	Chaprar Khas QH	Dalu Wali No 1 PC	Malhoper	1949.33	0.1810	1	974.663	1
Sialkot	Pasrur	Choubara QH	Mastpur PC	Beeko Bhatti	1950.60	0.1811	1	975.298	1
Sialkot	Sialkot	Sialkot Ii QH	Agoke PC	Bhandar	1950.60	0.1811	1	975.298	1
Sialkot	Daska	Budha Goraya QH	Khando Wali PC	Khando Wali	1959.48	0.1819	1	979.740	1
Sialkot	Daska	Daska Ii QH	Gojra No 2 PC	Thatta Lakhi	1963.29	0.1823	1	981.643	1
Sialkot	Sialkot	Kotli Loharan QH	Muazzam Abad PC	Khanna	1965.82	0.1825	1	982.912	1
Sialkot	Sialkot	Sialkot I QH	Partan Wali PC	Akewali	1965.82	0.1825	1	982.912	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Bolar Wali	1969.63	0.1828	1	984.816	1

trict Name	Tehsil	MC	PC Charge	Village	2030 Pop	Future Demand 2030 (Cusecs)	No of Schemes	Future Drinking Water Demand (L/Hr)	No of UF Plants
Sialkot	Daska	Mirza Goraya QH	Adha PC	Kotli Lundi	1972.17	0.1831	1	986.085	1
Sialkot	Pasrur	Choubara QH	Nakwal No 1 PC	Sayed Nihal	1981.05	0.1839	1	990.527	1
Sialkot	Pasrur	Choubara QH	Shahrak PC	Shahrak	1981.05	0.1839	1	990.527	1
Sialkot	Sambrial	Sambrial QH	Saranke PC	Kot Dogran	1983.59	0.1841	1	991.796	1
Sialkot	Sambrial	Gojra QH	Viro Wala PC	Pasya	1986.13	0.1844	1	993.065	1
Sialkot	Sialkot	Gunna Kalan QH	Rasul Pur No 1 PC	Rasul Pur	1987.40	0.1845	1	993.700	1
Sialkot	Sialkot	Sialkot I QH	Partan Wali PC	Kot Kora	1991.21	0.1849	1	995.603	1
Sialkot	Daska	Wadala Sandoan QH	Virwala PC	Hachar	1996.28	0.1853	1	998.142	1
Sialkot	Pasrur	Saukanwind QH	Pejoke PC	Aqi Machhi	1996.28	0.1853	1	998.142	1
Sialkot	Sambrial	Sambrial QH	Kotli Nonan PC	Karan Wali	1996.28	0.1853	1	998.142	1

[i] https://www.punjab.gov.pk/narowal

[ii] http://www.pakinformation.com/population/narowal.html#:~:text=Current%20population%20of%20Narowal%20district,1.59%20from%201998%20to%202017.

[iii] Zereen, A., Ahmad, S., Khan, Z.-U.-D., & Jahan, A. (2018). Determination of correlation between plant distribution and ecological factors in Narowal district Punjab, Pakistan. *Bangladesh Journal of Botany*, *47*(3), 451-458. https://doi.org/10.3329/bjb.v47i3.38711

[iv] https://www.worldweatheronline.com/