

TECHNICAL REPORT

1	<u>NAME OF THE SCHEME</u>	Improvement & Augmentation of water supply scheme Bainsta
2	<u>NAME OF TEHSIL</u>	Ramnagar
3	<u>NAME OF DISTRICT</u>	Udhampur
4	<u>AUTHORITY</u>	J&K Government through PHE Department
5	<u>LOCATION</u>	Village Bainsta is located in South direction of the district head quarter Udhampur and is located at a distance of about 27kms from district head quarter Udhampur. It is approachable by a fair weather road up to the road side and further it is approachable by a hill bridle path of 10.00 km length. The topography of the village is hilly and the population is scattered over the large area.
6	<u>HISTORY AND NECESSITY</u>	<p>Water is the basic need and equally important for sustenance of life as air, food & shelter. Water is also a great cleaning agent, necessary for hygienic apart from health consideration. Provision for protected and assured water supply is an economic liability for human resource. As such, providing safe, adequate and dependable water supply to all its population is one of the important tasks of our Government, sensitive as it is to the needs of the citizens for upon it depends the health & well being of the nation.</p> <p>Originally the census village Bainsta partially covered under water supply scheme Bainsta started in the year 1995-96 and completed in same year. The scheme was design for 15 years and has out lived its life. The existing mains and distribution system are damage badly/ rotten pipes which required to be replaced. The present sources of scheme having very less discharge which cannot full fill the demand of public at present.</p> <p>During last decade the population of the area increased considerably. It is anticipated that there will be rapid expansion. A lot of new houses have been constructed and are without drinking water facilities. The Mohras part wise population is shown as under are without water since long time and need to be covered under this scheme.</p> <p>There is no dependable source of drinking water in the village and the people have to travel long distances for fetching drinking water.</p> <p>The people of the area had been approaching the department as well as administrative department for providing drinking water/ revitalization and improvement of scheme Bainsta. But due to financial hardships the department could not do anything.</p> <p>The demand of the public for providing drinking water is very genuine</p>

1. POPULATION PROJECTION & WATER REQUIREMENT:

S. No.	Habitation	Present Status	Village Code	Pop. Census 2011	Present Pop. 2018	Designed Pop. 2048
1	Bainsta (Part) along with other local morahs as per drawing enclosed	PC	005110	1147		
2	Floating population of ST Mohra and Temple	175		
	Total:	-	-	1322	1626	3947

WATER REQUIREMENT

Present water requirement 2018 = 24390 GPD
 For the year 2018 @ 70 LPCD
 Present Water availability = 20000 GPD
 Present Shortfall = 4390 GPD
 Design requirement of water @ 70 LPCD = 60000 GPD
 Designed shortfall = 40000 GPD

2. Proposal: -


It is proposed to tap spring source Thanda Pani & Chamedi from where water has to be lifted up to existing network system i.e. up to Pinga Da Talab from where water lifted to existing 10000 glns capacity GSR and then by way gravity mains water supply to proposed two Nos. 10000 glns GSR at Patodi and near Temple further catered by way of distribution network to the down stream mohras. Further it is proposed to distribute water supply by way of gravity mains from spring source Shail Pani & Shalsar Source to two Nos. 5000 glns capacity GSR at Sadail Kut and Lower Bainsta and one No. 10000 glns GSR at Tedu Mohra and further distribute water by way distribution network as per drawing enclosed.

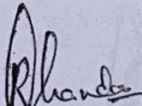
3. COST OF PROJECT:

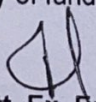
The total cost of the scheme is Rs. ^{280.71}~~279.45~~ Lacs.


4. TIME OF COMPLETION:

The work shall be completed within two years subject to the availability of funds and materials well in time.


J.E


A.E


Asstt. Ex. Engineer
PHE Sub-Division
Ramnagar


Executive Engineer
PHE Division
Udhampur