

Common Transmission from Sarthana Water Works to various WDS

1. Name of the Project:

Procurement and Labour Work For Laying Of Different Size Of Spirally Submerged Arc Welded MS Pipe with providing required different valves from Proposed Sarthana WTP to Proposed various UGSR at Bhatena, Magob, Dumbhal&Khatodara under Surat Smart City Development Mission & Construction of 60 Lacs Liter capacity RCC Under Ground Storage Reservoir (UGSR) with Booster House & Electric Room at Sarthana Water Works in East Zone Area, Surat under Smart City Mission.

Vision: To provide uninterrupted water supply to the citizens under area planned with 24 x 7 network.

Background:

Surat is situated at the tail end of the 750 km. long River Tapi which has been the main source of water for the city since centuries. During the period of British-raj in India, Surat municipality was established by the then Collector, Mr. Rogers on 23rd April, 1852 but there was no provision of public water supply at that time. During year 1864, Sir Kawasji Jahangir of Surat had donated Rs.1.25 Lacs to construct a water works for the city. In 1867, Mr. Gragery prepared a plan to draw water from river Tapi near Kamrej and bring the same up to Delhi Gate by a pipeline. In 1894, FardunjiTaraporewala was appointed as an Executive Engineer in Surat by the British Government, who planned to build Infiltration wells in the river. In the same year, work for first water supply pipeline was started near Surat railway station by Mr.George Harrison, then Governor of Mumbai.

After which Water Distribution network in city was initiated in Year 1898-99 From Varacha Water Works.

The total length of Existing Water distribution network in Surat city accounts to 1933.76 Km.Along with the increasing demand and to meet the need of future water demand Surat city has planned to have another 167.89 Km of Water distrubution network.

This project consists Procurement and laying of MS transmittion line of approximate length of 13.60 Km along with 60 Lakhs litre capacity RCC under ground water tank with booster house.

2. Sector: Hydraulic Department

3. Cost and financing: (procurement)

- SCP Cost : :
- DPR Cost : Gross Rs. 54.18 cr. and Net Rs. 50.90 cr.
- Tender Estimated Cost : Rs. 24.17 cr.
- Tender Sanctioned Cost : Rs. 19.21 3 cr.
- Convergence Scheme/PPP/SMC : SMART CITY
- Convergence/PPP/SMC Costing : - - -

Cost and financing: (Labour)

- SCP Cost : :
- DPR Cost : Gross Rs. 54.18 cr. and Net Rs. 50.90 cr.
- Tender Estimated Cost : Rs. 14.57 cr.
- Tender Sanctioned Cost : Rs. 13.13 cr.
- Convergence Scheme/PPP/SMC : SMART CITY
- Convergence/PPP/SMC Costing : - - -

Cost and financing:

- SCP Cost : :
- DPR Cost : Gross Rs. 54.18 cr. and Net Rs. 50.90 cr.
- Tender Estimated Cost : Rs. 4.11 Cr. (Civil Work)
- Tender Sanctioned Cost : :
- Convergence Scheme/PPP/SMC : SMART CITY
- Convergence/PPP/SMC Costing : - - -

4. Current status of the project implementation:

Pipe Procurement work completed successfully.

Laying work in progress and construction of UGSR in progress

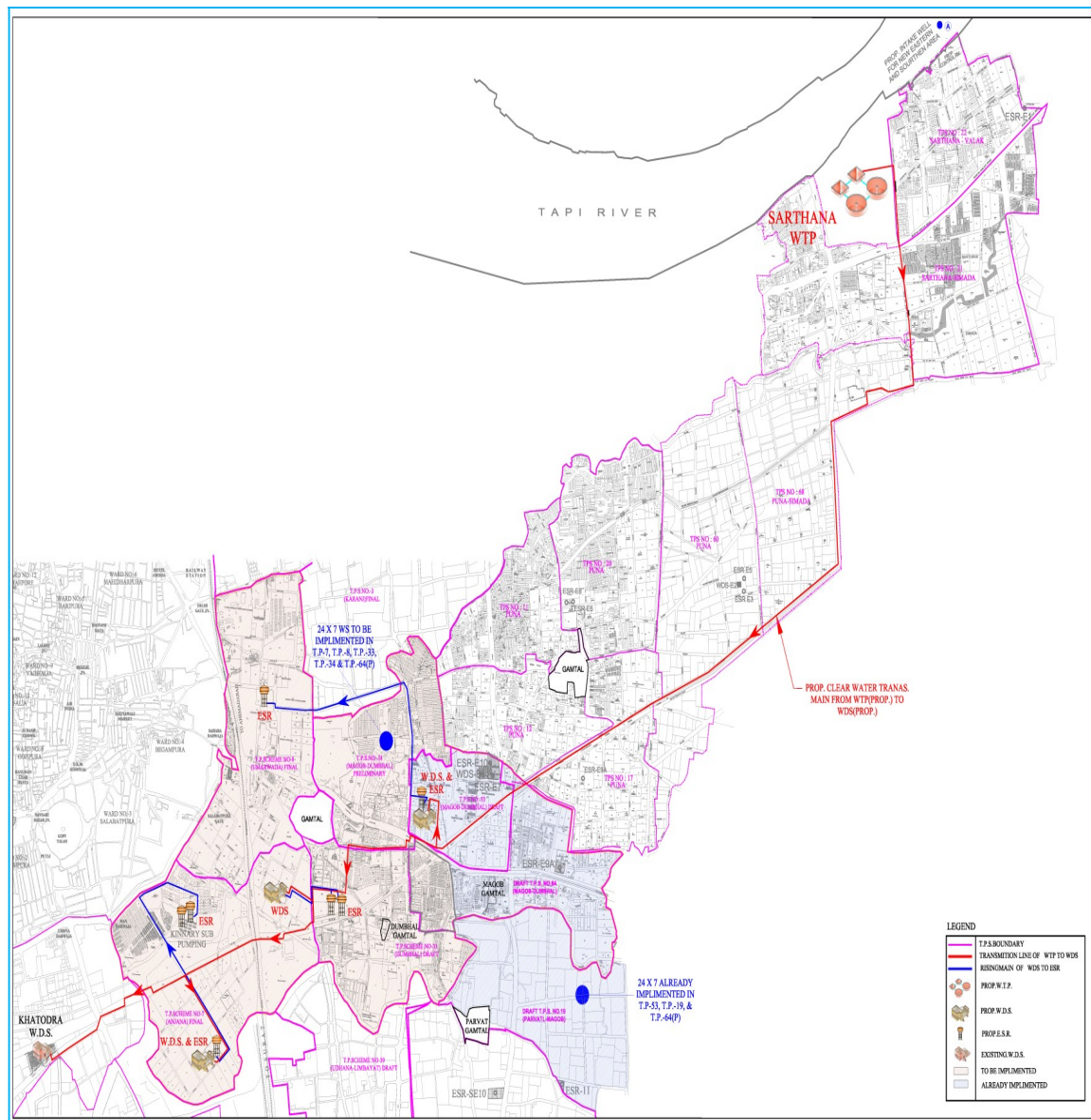
5. Likely completion date of project:-30/03/2019

6. Impact/ Envisaged Impact of the project:

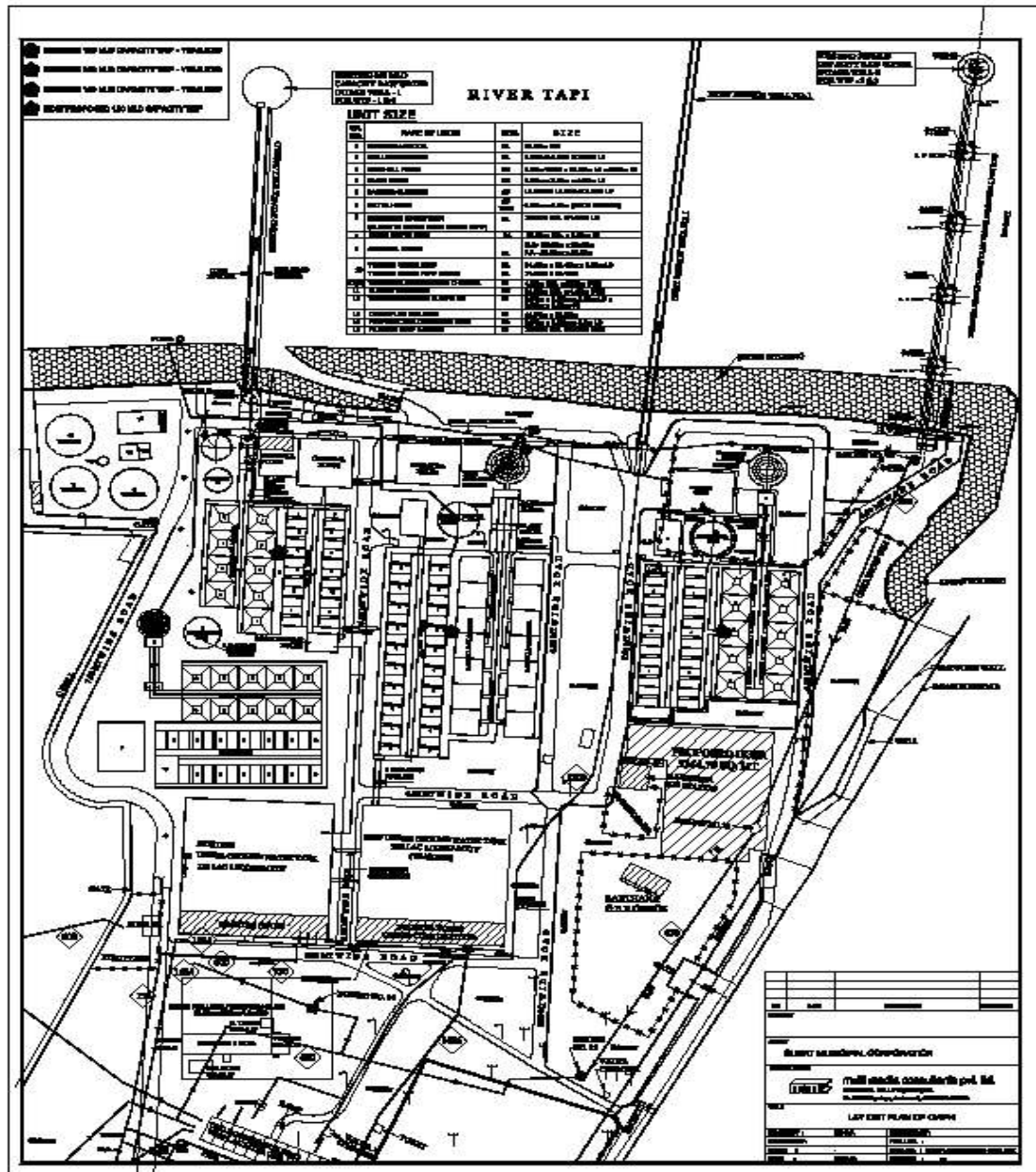
To provide an exclusive Transmission Line for the area to be served under the Smart City Scheme. The Transmission Line from Sarthana to UGSR will be used for providing treated water to the areas proposed under the smart city 24X7 scheme. The surplus water will be transmitted to Khatodara UGSR as per requirement.

The SMC has decided to implement of Smart City Projects related to 24X7 Water Supply in 8.84 Sq. KM. area of Surat City

7. Site Plan (Layout) & line diagram of plant



Layout of UGR



Photos:

