

IMPROVEMENT OF WATER SUPPLY DISTRIBUTION SYSTEM TO AMBUR MUNICIPALITY IN VELLORE DISTRICT UNDER AMRUT SAAP-1 -2015-16

Estimate Amount :Rs 50.90 Crores

SALIENT DETAILS

1.POPULATION AND REQUIREMENTS:

| Population as per | | | | | Requirement in MLD | | |
|--|----------------|----------------------|------------------------|---|----------------------|------------------------|-----------------------|
| AMBUR MUNICIPALITY | 2011 census | Base year 2018 | Inter. Year 2033 | Ulti. year 2048 | Base year 2018 | Inter. Year 2033 | Ulti. year 2048 |
| | | 115273 | 126712 | 153214 | 182429 | 20.23 | 24.32 |
| Area | | | : | 17.97 Sq.KM | | | |
| Year of Functioning as Municipality | | | : | 1948 | | | |
| No. of Wards | | | : | 36 | | | |
| Existing CWSS –Vellore Sump | | | : | 32.75 LL capacity of sump | | | |
| Proposed Pumpset | | | : | a)1No +1 No (Stand by)- 82 HP of Centrifugal pumpsets (HSC) of duty 4354 LPM x 64 M | | | |
| FEEDER MAIN DI/ K7 PIPE | | | : | 150mm diameter DI - 1789 M 200mm diameter DI - 2050 M 250mm diameter DI - 597 M 300mm diameter DI - 3533 M 350mm diameter DI - 1303 M 400mm diameter DI - 987 M TOTAL - 10259M | | | |

| Details of Service Reservoirs | |
|--|--|
| Proposed SR's | |
| 1.GLSR 2.50 LL capacity at Kambi kollai | GLSR |
| 2.ELSR 5.00 LL capacity at Rabik Nagar | 16m Staging Height |
| 3.ELSR 7.50 LL capacity at Bethalaham | 16m Staging Height |
| 4.ELSR 7.50 LL capacity at Samiyar Madam | 16m Staging Height |
| 5.ELSR 12.50 LL capacity at Govindhapuram | 16m Staging Height |
| 6.ELSR 20.00 LL capacity - A Kareem Nagar | 16m Staging Height |
| Existing SR's | |
| 1.ELSR 2.0 LL capacity - Sandrorekuppam | 12m Staging Height |
| 2.ELSR 3.00 LL capacity at B Kaspaa | 12m Staging Height |
| 3.ELSR 4.00 LL capacity at A Kaspaa | 12m Staging Height |
| 4.ELSR 7.0 LL capacity at KM Nagar | 3m Staging Height |
| 5.ELSR 10.00 LL capacity at Azhagapuri | 12m Staging Height |
| 6.ELSR 7.0 LL capacity at KM Nagar | 12m Staging Height |
| DISTRIBUTION SYSTEM a) HDPE PIPE | 110 mm dia - 49563 M 125 mm dia - 4222 M 140 mm dia - 6159 M 160 mm dia - 3142 M 180 mm dia - 2049 M 200 mm dia - 3172 M TOTAL - 68307 M |
| | b) DI /K7 PIPE 250 mm dia - 3309 m 300 mm dia - 1292 m 350 mm dia - 862 m 400 mm dia - 1971 m 450 mm dia - 440 m 500 mm dia - 2307 m Total - 10181m |
| House service Connection (HSC)-MDPE Total No. of Household 80% of Assessment of Household Existing HSC Connection A) Domestic B) Non Domestic Total HSC connections | 25036 Nos. 20000 Nos. 6700 Nos. 13168 Nos 132Nos 13300 Nos |
| Control Room | 13 Nos – Size 3mx3m |
| Reservoir Management System (RMS) with SCADA Arrangements | 32.75 LL sump of CWSS-Vellore and 12 Nos of various capacity of Service Reservoirs |

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| Environmental management Plan for Service Reservoir & Distribution Network | 1.Dust Suppression by water sprinkling |
| | 2.Air Quality Monitoring for 6 seasons |
| | 3.Barricading work and watching during night fixing danger flags, danger lights/reflectors and painting in different colours. |
| Disinfection arrangements at Service Reservoirs | Fixing of water Disinfection equipment of Electro Chlorinator based on common salt |
| Cost of the Project | : Rs. 50.90 crores. |
| Annual Maintenance cost | : Rs.3.28 Crores. |
| Mode of Finance | : As per AMRUT Guide lines |
| | GOI Share 50 % -25.45 Crores |
| | Govt of TamilNadu 20 %-10.18 Crores |
| | Local body Contribution and AMRUT Incentive Fund 30 %- 15.30 Crores |