

Present Water Supply Details

SOURCE

1. Vallanadu (CWSS) (TWAD) - 2.20 MLD
2. Aanaikuttam(own) - 2.70 MLD

HEAD WORKS

- Location - Aanaikuttam (Arjuna River)
- Source - Open wells 11 Nos
- Well motors - 5.00HP (Submersible)
- Pumping Motors - 60 HP & 75 HP (Horizontal Centrifugal)
- Pumping Main - 18.500Km

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TOWN PROFILE

- Number of Ward - 36
- Extent of Area - 6.64 Sq.km
- Population as per 2011 Census - 72144
- Present Population -2022 - 78000
- Total water Requirement in MLD - 6.50 MLD
- Total water Requirement in MLD (2022 Population) - 7.02 MLD
- Present supply in MLD - 6.21 MLD
- Per Capita - 90 LPCD
- Frequency - Once in Two Days
- Nos of OHT 's - 12 nos
- Storage of OHT 's - 50.50 Lakh Litre
- Nos of GLR's - 2 Nos
- Storage of GLR 's - 5.00 Lakh Litre

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BOOSTER STATION

1. Location - **VNPR park sump**

Motor - 25 HP (2 Nos) (Horizontal Centrifugal Pump)

Motor -7.5 HP (2 Nos) (Open well sump)

Motor -3.00 HP(1 No) (Open well sump)

Motor -5.00 HP(3 NoS) (Open well sump)

2. Location - **Madurai Road Sump**

Motor - 20.00HP (4 Nos) (Vertical submersible motor)

Motor - 5.00HP (1 No) (Open well submersible motor)

D main Length - 103.00Km

Total no of HSC - 15347 nos

No. of Zone - 76 Zone

No. of PF Covered - 276 Nos

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OHT & GLR DETAILS

Sl. No	Name of ULB	Location of OHT	Capacity In LL	Staging Height	Year of Construction	Present condition of OHT	Zonal tail end pressure of water "meters"	Whether Zonal Maps Prepared Yes/ No	Whether Ferrules place (Yes/ No)
1	Virudhunagar	Madurai Road OHT	6.75	11.50 M	1937	Good	2.25	Yes	Yes
2		Rama moorthy road OHT	6.75	7.9 M	1937	Good	2.10		
3		Ahamed Nagar OHT	10.00	15 M	2017	Good	2.50		
4		VNPR Park OHT(NEW)	10.00	15 M	2017	Good	2.50		
5		VNPR Park OHT(OLD)	3.00	11M	1988	Good	2.20		
6		Soundara pandiyan road OHT	2.00	12M	2001	Good	2.30		

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7	Virudhunagar	Patel road	3.00	12 M	1988	Good	2.35	Yes	Yes
8		Ramachandran street	2.00	12 M	2003	Good	2.37		
9		Travels Bangalows	2.00	12 M	2002	Good	2.34		
10		Annai sivagami puram	2.00	12 M	2002	Good	2.35		
11		Sivanthipuram	2.00	12M	2000	Not Functioning	2.38		
12		MSP school	1.00	6M	1988	Good	2.00		

Gap/Rectification Analysis

- Current Receipt of supply from both the sources(Own & CWSS) is 5.20 MLD
- Total requirement to the Current population is 7.02 MLD
- Hence, Ondipulli and karicheri kalquarry SS tank to the recovered and water to be drawn from there.
- The leakages in pumping main from Ondipulli and karicheri kalquarry to be attended 1.00 MLD in repeated to the drawn.
- proceeding to maintain equitable distribution.