

CWSS to Nallathur and 15 other Habitations of Nallathur, N.N.Kandigai and Poonimangadu panchayats in Thiruvengadu Union of Thiruvallur District under JJM 2021-22

SALIENT DETAILS

Sl. No.	Description	CWSS to Nallathur and 15 other Habitations of Nallathur, N.N.Kandigai and Poonimangadu panchayats in Thiruvengadu Union of Thiruvallur District	
1	Population & Net Demand	Population	Demand
	Base Year (2022)	9182	0.473 MLD
	Intermediate (2037)	10156	0.505 MLD
	Ultimate (2052)	11196	0.551 MLD
2	Head works @ Nallathur		
	Source	3 Nos of Infiltration well of 4.5m dia, 8m depth in Kosasthalaiyar River	
	Connecting main	100mm CI D/F pipes- Total length- 800 m	
	Pumpset for Infiltration well	2 HP Open Well Sub-250 lpm x 25m - 3 Nos with 100% stand by	
	Sump at Head works	0.50 Lakh litres capacity - 1 No	
	Pump Room	6 m X 4 m - 1 No.	
	Pumpsets in sump	1.OV Sub Pumpset - 7.5 HP - 376 lpm x 25m (1 + 1) Nallathur and NN Kandigai Panchayats. 2.OV Sub Pumpset - 7.5 HP - 336 lpm x 60m (1 + 1) Poonimangadu panchyat.	
3.a	Pumping Main from Nallathur Common Sump to Nallathur and N.N.Kandigai Panchayat OHTs	125 mm HDPE PN6 Pipes - 145 m	
		110 mm HDPE PN6 Pipes - 805 m	
		90 mm HDPE PN6 Pipes - 1650 m	
		75 mm HDPE PN6 Pipes - 1555 m	
		63 mm HDPE PN6 Pipes - 1760 m	
		Total-5915 M	
3.b	Pumping Main from Nallathur Common Sump to Poonimangadu Panchayat OHTs	125 mm HDPE PN6 Pipes - 3090 m	
		110 mm HDPE PN6 Pipes - 100 m	
		90 mm HDPE PN6 Pipes - 1675 m	
		75 mm HDPE PN6 Pipes -3000 m	
		63 mm HDPE PN6 Pipes - 3380 m	
		Total-11245 M	
4	Service Reservoirs	Existing Service Reservoir- 15 Nos SR- 10000 L – 3 Nos SR- 30000 L – 9 Nos SR- 60000 L – 1 Nos SR-100000 L – 2 Nos Proposed Service Reservoir-2 No SR- 10000 L – 1 Nos SR- 30000 L – 1 Nos Proposed New Service Reservoir to be constructed by TWAD Board.	
5	Distribution System	Distribution system and FHTC to be executed by local body under in Village component	
6	Project Cost		
	Total Cost	Rs. 423.35 Lakhs	
	AM cost	Rs. 12.42 Lakhs	
	Cost/1000 lit	Rs. 14.17	
	Cost/1000 litres -for AM only	Rs. 6.74	
	Per capita cost	Rs. 4,170.00	
	cost of FHTC	Rs. 20,007.00	

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