

**CWSS to Nallathur and 15 other Habitations of Nallathur
panchayats in Thiruvellangadu Union of Thiruvallur**

SALIENT DETAIL

Sl. No.	Description	CWSS to Nallathur N.N.Kandigai and Poonimangadu Union of Thiruvallur
1	Population & Net Demand	Population
	Base Year (2022)	9182
	Intermediate (2037)	10156
	Ultimate (2052)	11196
2	Head works @ Nallathur	
	Source	3 Nos of Infiltration wells
	Connecting main	100mm CI D/F pipes
	Pumpset for Infiltration well	2 HP Open Well Submersible Pump
	Sump at Head works	0.50 Lakh litres capacity
	Pump Room	6 m X 4 m - 1 No.
	Pumpsets in sump	1.OW Sub Pumpset Nallathur and NN Kandigai 2.OW Sub Pumpset Poonimangadu panchayat
3.a	Pumping Main from Nallathur Common Sump to Nallathur and N.N.Kandigai Panchayat OHTs	125 mm HDPE PN6
		110 mm HDPE PN6
		90 mm HDPE PN6
		75 mm HDPE PN6
		63 mm HDPE PN6
3.b	Pumping Main from Nallathur Common Sump to Poonimangadu Panchayat OHTs	125 mm HDPE PN6
		110 mm HDPE PN6
		90 mm HDPE PN6
		75 mm HDPE PN6
		63 mm HDPE PN6

Sl. No.	Description	CWSS to Nallathur N.N.Kandigai and P Union of Thiruvallu
4	Service Reservoirs	Existing Service Res SR- 10000 L – 3 N SR- 30000 L – 9 N SR- 60000 L – 1 N SR-100000 L – 2 N Proposed Service R SR- 10000 L – 1 N Nos Proposed New Servi
5	Distribution System	Distribution system 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

Asst.Engineer
TWAD Board
RWS Sub Divn,
Gummidipoondi

Asst.Exe.Engineer
TWAD Board
RWS Sub Divn,
Gummidipoondi

**hur, N.N.Kandigai and Poonimangadu
Ilur District under JJM 2021-22**

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**and 15 other Habitations of Nallathur,
Poonimangadu panchayats in Thiruvelangadu
Ilur District**

Demand
0.473 MLD
0.505 MLD
0.551 MLD
well of 4.5m dia, 8m depth in Kosasthalaiyar River
;- Total length- 800 m
;- 250 lpm x 25m - 3 Nos with 100% stand by
capacity - 1 No
- 7.5 HP - 376 lpm x 25m (1 + 1) Kandigai Panchayats. - 7.5 HP - 336 lpm x 60m (1 + 1) Poonimangadu Panchayat.
;- Pipes - 145 m
;- Pipes - 805 m
Pipes - 1650 m
Pipes - 1555 m
Pipes - 1760 m
Total-5915 M
;- Pipes - 3090 m
;- Pipes - 100 m
Pipes - 1675 m
Pipes -3000 m
Pipes - 3380 m
Total-11245 M

**and 15 other Habitations of Nallathur,
Poonthimangadu panchayats in Thiruvelangadu
District**

Reservoir- 15 Nos

100

100

100

100

Reservoir-2 No

100

SR- 30000 L – 1

100000 L Reservoir to be constructed by TWAD Board.

and FHTC to be executed by local body under in

Executive Engineer
TWAD Board
RWS Division
Thiruvallur