

CWSS to KuruchiKuniyamuthur Municipalities and Kinathukadavu Town Panchayat in Coimbatore District

Salient Details (as per Scope of the Scheme/ schemes):

S.No.	Name of the Component	Quantity	Location	Remarks
1	Intake well cum pump House	9m x 7m – 1 No	River Aliyar (near AthuPollachi)	
2	Raw Water Pumpset	40 HP – 4167 lpm x 28m – (2+1) Vertical TurbinePumpset	Athupollachi	
3	Raw Water Main	600 mm MS – 200m		
4	Water Treatment Plant	Aerator – 1No. Dia. 5.40m with 4 steps		
		Transformer – 315 KVA – 2 Nos.		
		Stilling Chamber 5.00 m x 4.00 m x 1.75 m		
		Measuring channel 10.00m x 0.60m x 0.65m		
		Flash mixer 2.00m dia. X 3.80m depth		
		Dividing chamber 2.00m dia. X 3.80 m depth		
		Clarri-floculator (For intermediate stage of 10.00 MLD) Dia. of Clarrier – 28.00m Dia of Flocculator – 10.50m		
5	Filter House	(for intermediate stage of 10.00 MLD)Filter Bed 4 Nos. – 6.60m x 4.30m each		
6	Wash Water tank	3.00 LL SR		
		Wash water pumpset – 2 Nos.		
		submersible 7.50 HP Deccan 750lpm x 25m		
7	Clear water reservoir	7.00 LL – 17.50m dia. X 3.00m - depth with 90 minutes definition time	Achipatty	
8	Clear Water Pump House	20.0m X 8.00m- 1 No		
9	Clear Water Pumpset	125 HP – HSC (2+1)3967 lpmx 89m		
10	Booster Stations	1.AchipattiSump capacity7.00 LL 60HP – HSC (2+1) 3967 lpm x 42m	Kinathukadavu	
		2.a)Kinathukadavu Sump capacity7.00 LL 100 HP – HSC (2+1) 3750 lpm x 84m b)Transformer-225 KVA – 2 Nos c)Kinathukadavu TP-5 HP – Submersible pump (1+1) 433 lpm x 29m		
		3.KurichiSump capacity7.00 LL a)Kurichi	Kurichi	

		30 HP – HSC (2+1)1999 lpm x 41m b)Pillayarapuram 10 HP – SUB (1+1) 143 lpm x 77m c)Kuniyamuthur 40 HP - HSC (1+1) 3133 lpm x 38m		
		4.Thiru Nagar Colony Sump capacity 1.00LL 12.5 HP -SUB (1+1) 761 lpm x 48m	Thirunagar Colony	
11	Clear Water Main	600mm MS pipe.600mm BWSC pipe, 600mm PSC pipe and DI Pipes- 47.00 Km	Transmission main from Athupollachi to Kurichi B.S	
12	Feeder Main	400mm MS pipe & PSC pipe – 1370m 350mm MS pipe & PSC pipe – 2965m For Kurichi Pumping main	Kurichi B.S to Anbu Nagar	
13	Feeder Main	350mm MS pipe & PSC pipe – 4673m For Kuniyamuthur Pumping main	Kurichi B.S to CompostYard	
14	Branch Feeder Main	140mm PVC pipe -2230m for Thirunagar colony pumping main	Thirunagar colony Booster Station to Sugunapuram SR(Ex)	
15	Branch Feeder Main	125mm GI pipe -1900m for Thirunagar colony pumping main	Sugunapuram (Sr) to Sugunapuram Hills	

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Sl. No.	Name of the equipments, installations, structures, pipelines, appurtenances etc., to be operated and maintained along with the details of specifications such as type, make, HP, Head, discharge, capacity length, size and other relevant details such as hours of pumping, pressure, quantity & quality of water, etc.	Quantity	Location
1.	Intake well cum pump House 9m x 7m	1 No	Athupollachi
2.	Aerator – 1No. Dia. 5.40m with 4 steps	1 No	
3.	Transformer – 315 KVA	2 Nos	
4.	Stilling Chamber 5.00 m x 4.00 m x 1.75 m	1 No	
5.	Measuring channel 10.00m x 0.60m x 0.65m	1 No	
6.	Flash mixer 2.00m dia. X 3.80m depth	1No	
7.	Dividing chamber 2.00m dia. X 3.80 m depth	1 No	
8.	Clarrifloculator (For intermediate stage of 10.00 MLD) Dia. of Clarrifier – 28.00m Dia of Flocculator – 10.50m	1No	
9.	Filter Bed. – 6.60m x 4.30m each (For intermediate stage of 10.00 MLD)	(3Nos+1No Standby)	
10.	Wash Water tank 3.00 LL SR	1No	
11.	Wash water pumpset. submersible 7.50 HP Make-Deccan 750 lpm x 25m	(1No+1No Standby)	
12.	Vaccum Pump -5 HP Make M/s,Vijay pumpsets	(1No +1 No Standby)	
13.	Flash mixer motor -2 HP Make- Make-N.M.Engineering Industries	1No	
14.	Clarrifloculator main drive motor-1HP-Make N.M.Engineering Industries	1No	
15.	Flocculator motor-1.50HP-Make N.M.Engineering Industries	(1No+1No)	
16.	Alum Tank motor-1.00HP-Make N.M.Engineering Industries	3 Nos	
17.	Lime tank motor-1HP- Make N.M.Engineering Industries	2 Nos	
18.	Air compressor motor-20 HP Make Kirlosker	(1No+1No)	
19.	Raw Water Pumpset-40 HP – 4167 lpm x 28m –Vertical Turbine Pumpset Make-Pump- Flow more , Motor -Jyoti -24hrs pumping	(2+1Standby)	
20.	Clear Water Pumpset-40 HP – 3967lpm x 89m –HSC Centrifugal Pumpset Make-Pump-Beacon Weir, Motor -ALSTOM -24hrs pumping	(2+1Standby)	
21.	Achipatti Booster Station – 60 HP – 3967 lpm x 42m - HSC Centrifugal Pumpset Make-Pump-Beacon Weir, Motor -ALSTOM -24hrs pumping	(2+1Standby)	Achipatty
22.	Vaccum Pump – 5 HP Make-Vijay Pumpset	(1+1Standby)	Kinathukadavu
23.	Kinathukadavu Booster Station – 100 HP – 3750lpm x 84m - HSC Centrifugal Pumpset Make-Pump-Beacon Weir, Motor -ALSTOM -24hrs pumping	(2+1Standby)	
24.	Transformer-225 KVA	2 Nos	
25.	Vaccum Pump – 5 HP Make-Kirloskar brothers ltd	(1+1Standby)	
26.	Kinathukadavu TP-5 HP –Submersible pump -433 lpm x 29m Make-Deccan Industries	(1+1Standby)	Kurichi
27.	Kurichi Booster Station – 30HP – 1999lpm x 41m - HSC Centrifugal Pumpset Make-Pump-Mather & Platt, Motor -	(2+1Standby)	

	Marathan -24hrs pumping for Kurichi pumping main		
28	KurichiBooster Station – 5HP – 143lpm x 93m - Submersible Pumpset Make-Deccan Industries -12 hrs pumping for Pillayarpuram pumping main	(1+1Standby)	
29	KurichiBooster Station -Vaccum Pump – 5 HP Make-Kirloskar brothers ltd		
30	Kuniyamuthur – 40HP – 3233lpm x 38m - HSC Centrifugal Pumpset Make-Pump-Mather & Platt, Motor -ALSTOM -24hrs pumping for Kuniyamuthur pumping main	(1+1Standby)	
31	KuniyamuthurVaccumPumpset -5HP-Make PPI Systems	1 No	
32	Thirunagar Colony Booster Station-12.50HP – 761 lpm x 48m- Make- Deccan Industries	(1+1Standby)	Thirunagar Colony
33	Transmission main-600mm MS pipe.BWSCpipe,PSC pipe and DI Pipes	47.00Km	Transmission main from Athupollachi to Kurichi B.S
34	Feeder main 400mm MS pipe & PSC pipe for Kurichi Pumping main	1.370Km	Feeder main from Kurichi B.S to Anbu Nagar
35	Feeder main 350mm MS pipe & PSC pipe for Kurichi Pumping main	2.965Km	
36	Feeder main 350mm MS pipe & PSC pipe for Kuniyamuthur Pumping main	4.673Km	Kurichi B.S to CompostYard
37	Branch feeder main 140mm PVC pipefor Thirunagar colony pumping main	2.230Km	Thirunagar colony Booster Station to Sugunapuram SR(Ex)
38	Branch feeder main 125mm GI pipefor Thirunagar colony pumping main	1.990Km	Sugunapuram (Sr) to Sugunapuram Hills