

CIRCLE: Erode - Tiruppur - Karur Circle, Erode			Division: Project Division, Kangeyam		
PROVIDING CWSS TO PERUNDURAI AND 7 OTHER TOWN PANCHAYATS INCLUDING 547 WAYSIDE RURAL HABITATIONS IN ERODE AND TIRUPPUR DISTRICTS WITH RIVER BHAVANI AS SOURCE 18 MONTHS CONSTRUCTION FOLLOWED BY 6 MONTHS TRIAL RUN INCLUDING PAID MAINTENANCE OF THE SCHEME FOR A PERIOD FIVE YEARS					
SCHEME DETAILS					
	Administrative Sanction No.	GO Ms No. 54 Dated 29.05.2018 for Rs. 224.00 Crores			
	Technical Sanction No.	Chief Engineer , CBE No 147 /2018-19 dt 25.06.2018 For Rs 224.00 Cr			
	Contractor Name and Address	M/s. RPP Infra Projects Ltd, Erode			
	Date of Work Order	07.11.2018			
	Agreement No & Date	CE/CBE/29/2018 - 19/ Dated 05.12.2018 for Rs. 155.89 Crores			
	Date of Commencement of Work	05.12.2018			
	Target Date of Completion	18 months (04.05.2020)			
1	Population and Requirement	Population		Requirement	
		Town Panchayats	Rural	Town Panchayats	Rural
	Intermediate (2035)	199050	249900	9.54 mld	6.87 mld
	Ultimate (2050)	243050	304010	15.26 mld	10.14 mld
	i Total Clear Water Requirement				
	Intermediate (2035)	448950		16.41 mld	
	Ultimate (2050)	547060		25.40 mld	
	ii Total Raw Water Requirement				
	Intermediate (2035)	448950		17.23 mld	
	Ultimate (2050)	547060		26.67 mld	
2	Per capita supply	135 LPCD for TP' s / 55 LPCD for Rural			
3	Source	River Bhavani at Kodivery Dam near Gobichettipalayam			
4	Head Works	Collection Well Cum Pump House-20mx7m			
5	Hours of pumping	23 Hrs			
6	Raw Water Pumpset	6243 lpm X94 m-(2W+1 S) (Vertical Turbine Pumpset)			
7	Treatment Plant at Thingalur	17.23 MLD Full Scale Water Treatment Plant at Thingalur			
8	i) Clear Water Sump @ Treatment Plant	11.05 LL - 1 no			
	ii) CW Pump house	12 m x 8 m -1 no			
9	Clear Water Pumpsets at Treatment Plant				

	P Main I - To PV Sangali	HSC-5852 lpm x 61 m-1W+1S-105HP		
	P Main II - To Stand Post Near Saralai	HSC-6001 lpm x 60 m-1W+1S-105HP		
10	Clear Water Pumpsets at Intermediate Sump			
	i) Kunathur			
	To Chinniyagoundenvalasu	HSC-2486 lpm x 41 m-1W+1S-30HP		
	To Edayarpalayam	OWS- 167lpm x 45 m-1W+1S-3HP		
	ii) Uthukuli			
	To Moratupalayam	OWS- 949 lpm x 23 m-1W+1S-7.5HP		
11	Raw water main,Pumping Main, Booster Mains and Branch mains:			
	i Raw Water main	711 x 6.3 mm MS pipes	29200	m
12	Clear Water pumping mains (Town Panchayat and Rural)			
	i PM I To PV Sangali and Branches	63 mm - 200 mm PVC, 200 mm - 400 mm DI K7 pipes	87200	m
	ii PM II To Saralai Stand Post and Branches	63 mm - 200 mm PVC, 200 mm - 400 mm DI K7 pipes	38135	m
	TOTAL		125335	m
13	Feeder Mains from Town Panchayat			
	i Perudurai TP	100 mm - 300 mm DI K7 pipes	21750	m
	ii KC Palayam TP	100 mm - 200 mm DI K7 pipes	18930	m
	iii Kunnathur TP	150 mm - 250 mm DI K7 pipes	1500	m
	iv Uthukuli TP	150 mm - 200 mm DI K7 pipes	6460	m
	TOTAL		48640	m
14	Booster Stations - Town Panchayat			
	i Perundurair TP	Kunnathur road-3.35 LL	1	no
	ii Karumandichellipalayam TP	Shanthai-1.05 LL	1	no
	iii Kunnathur Intermediate Sump	VaraShanthai -4.10 LL	1	no
	iv Uthukuli Intermediate Sump	Uthukuli - 2.05 LL	1	no
15	Pumpsets - Town Panchayat			
	i Perundurair TP	OWS Pumpset- 1206 lpm X 42 m - 1W+1S-15HP		
		HSc Pumpset- 2163 lpm X 30 m - 1W+1S-20HP		
	ii Karumandichellipalayam TP	OWS Pumpset- 188 lpm X 43 m - 1W+1S-3HP		
		OWS Pumpset- 670 lpm X 27 m - 1W+1S-7.50HP		
	iii Kunnathur TP	OWS Pumpset- 1686 lpm X 53 m - 1W+1S-30HP		
	iv Uthukuli TP	OWS Pumpset- 1002 lpm X 44 m - 1W+1S-15HP		

16	Booster Stations - Rural			
i	Perundurai union - Erode District	Sumps	0.10 LL to 4.75 LL	13 nos
		Standpost	0.30 LL	1 nos
ii	Uthukuli union - Tiruppur District	Sumps	0.35 LL to 5.40 LL	14 nos
			Total	28 nos
17	PumpSets - Rural			
i	Perundurai union and Chennimalai Union - Erode District	OWS Pumpsets		16+ 16 S nos
ii	Uthukuli union - Tiruppur District	OWS Pumpsets		16+ 16 S nos
			Total	32+32 S nos
18	Pumping Mains and Branch Mains			
i	Perundurai union and Chennimalai Union - Erode District	63 mm PVC - 160 mm PVC pipes		249011 m
ii	Uthukuli union - Tiruppur District	63 mm PVC - 200 mm PVC pipes		132625 m
			Total	381636 m
19	Service Reservoirs - TP - 9 nos	Proposed for TP's		
i	0.50 LL	Perundurai TP - Kadappamadai	1	no
ii	2.10 LL	Perundurai TP - Panikkampalayam	1	no
iii	3.00 LL	Perundurai TP - Thoppupalayam	1	no
iv	3.60 LL	Perundurai-TP office	1	no
v	1.00 LL	K C Palayam TP-Thiruvengkampalayam	1	no
vi	0.50 LL	Kunnathur TP- Karungalmedu	1	no
vii	1.60 LL	Kunnathur TP - Shanthai	1	no
viii	1.30 LL	Uthukuli TP -Cauvery nagar	1	no
ix	1.50 LL	Uthukuli TP -Kodiyampalayam Nal road	1	no
			Total	9 nos
20	Service Reservoirs - Rural	Proposed for Rural - 71 nos		
i	0.10 LL	Perundurai and Chennimalai unions-Rural - Erode District	48	nos
ii	0.10 LL-11	Uthukuli unions-Rural - Tiruppur District	23	nos
iii	0.20 LL-5			
iv	0.30 LL -3			
v	0.60 LL-2			
vi	1.00 LL -1			
vi	1.20 LL -1			
			Total	71 nos

21	D System - TP's			
i	D System -Perundurai TP			
	Panikkampalayam OHT	90 mm - 160 mm PVC 4 Ksc	3500	m
ii	Interlinking with existing system			
		100 mm - 250 mm DI K7 Pipes	5800	m
22	D System - Rural			
i	Perundurai, Chennimalai and Uthukuli unions	90 mm PVC 4 KSC	36050	m
23	STPF for Rural			
i	Perundurai and Chennimalai unions		61	nos
ii	Uthukuli unions		28	nos
		Total	89	nos
24	Cost of the Project			
i	Installation Cost	22400.00	Lakhs	
ii	A.M. Cost	383.67	Lakhs	
25	Per Capita cost(2018)			
i	Intermediate 2035	4989.00		
26	Cost per 1000 lits			
i	Intermediate 2035	15.77		
ii	AM alone	6.10		
27	Funding	NABARD/MNP		