

WATER SUPPLY IMPROVEMENT IN DISTRIBUTION SYSTEM TO 8 EXTENDED AREAS (KURICHI, KUNIYAMUTHUR, THUDIYALUR, VELLAKINAR, CHINNAVEDAMPATTI, SARAVANAMPATTI, VILANKURICHI AND KALAPATTI) OF COIMBATORE CORPORATION IN COIMBATORE DISTRICT

SALIENT DETAILS			
1	Administrative sanction	G.O.Ms.No. 109 / Dated 29.8.16 for Rs.395.41 Cr and G.O.(MS) No 38/ Dated 12.04.2018 for Rs.409.33 Cr	
2	Technical sanction	CE/TWAD/CBE/NO.8/2016-17, dated:23.9.16 for Rs.414.50 Cr.	
	Project areas - THUDIYALUR, VELLAKINAR, CHINNAVEDAMPATTI, SARAVANAMPATTI, VILANKURICHI AND KALAPATTI	Package -I	
	Project areas - KURICHI AND KUNIYAMUTHUR	Package -II	
3	Population		
	a) Present - 2018	530909	
	b) Intermediate - 2033	698664	
	c) Ultimate - 2048	922173	
4	Level of service adopted	@ 135 lpcd & floating @25 lpcd	
	Reqt a) Present stage 2018	90.37 mld	
	b) Intermediate stage 2033	118.92 mld	
	c) Ultimate stage 2048	156.65 mld	
	Present Supply	42 - 70 lpcd	
5	Source tapplings		
	I) To tap Pillur water to MBRs	Pillur - 24.00 mld	
	I) To tap Siruvani to Kuruchi & Kuniyamuthur MBRs	Siruvani -35.02 mld, Aliyar - 11.25 mld	
6	Booster station at Kovaipudur		
	Sump 15 LL Capacity	1	No
	Well cum pumphouse	1	No
	Vertical Turbine Pumpsets of duty 12160 lpm x 96 m head -3 Nos, (2 No. Running and 1 No. standby) to pump 24320 lpm from Sump at Kovaipudur Pirivu to MBRs at Pillayarapuram and Press Enclave	3	Nos
	Booster station at Jainagar		
	HSC Centrifugal Pumpsets of duty 13194 lpm x 66 m head - 2 Nos, (1 No. Running and 1 No. standby) from Jainagar Sump to Valarmathy nagar MBR	2	Nos
	Inline booster pumpsets		
	Near Appanaickenpalayam (1747 lpm x 35m)	2	Nos
	Near Tiruppathy Nagar (2863 lpm x 35m)	2	Nos
	Near Kooturavu Nagar (1123 lpm x 35m)	2	Nos
	Near Anjugam Nagar (3180 lpm x 40m)	2	Nos

7	Feedermain to MBRs at Pillayarpuram and Press Enclave		
	D.I.Pipes (K9 class)		
	600mm dia	4500	M
	450mm dia	10700	M
		15200	M
	Feedermain to MBR at Valarmathinagar		
	D.I.Pipes (K9 class)		
	500mm dia	4810	M
	450mm dia	2500	M
		-	
		7310	M
8	Master Balancing Reservoirs		
	15.00 LL S.R. 16M stag (Press enclave -kuniyamuthur)	1	No
	20.00 LL S.R. 16M stag (Pillayarpuram-kurichi)	1	No
	20.00 LL S.R. 16M stag (Valarmathi nagar-Thudiyalur)	1	No
9	Feeder main from MBRs		
	M.S.Pipes		
	1016mm MS Pipe 8.8mm thick	4097	M
	914mm MS Pipe 8mm Thick	4318	M
	813mm MS Pipe 8mm thick	4679	M
	711mm MS Pipe 7.1 mm thick	6005	M
		19099	M
	D.I.Pipes (K9 class)		
	600mm dia	6836	M
	500mm dia	5168	M
	450mm dia	1145	M
	400mm dia	8428	M
	350mm dia	7678	M
	300mm dia	7954	M
	250mm dia	16996	M
	200mm dia	14483	M
	150mm dia	24159	M
	100mm dia	2950	M
		95797	M
	TOTAL ((MS+DI Pipe)	114896	M
10	Service Reservoirs		
	Existing (retained)	60	Nos.
	Proposed	43	Nos.
	Kuniyamuthur		
	2.50 LL cap. S.R. 16M staging (Anbu Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (PNT (A Block))	1	No
	5.00 LL cap. S.R. 16M staging (Kovai Pudhur)	1	No
	15.00 LL cap. S.R. 16M staging (Balu Avenue)	1	No
	15.00 LL cap. S.R. 16M staging (Balaji Nagar)	1	No
	10.00 LL cap. S.R. 16M staging (Sai Garden)	1	No
	5.00 LL cap. S.R. 12M staging (Sugunapuram)	1	No

	Kurichi		
	12.50 LL cap. S.R. 16M staging (Kasthuri Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (Krishna Nagar)	1	No
	7.50 LL cap. S.R. 16M staging (Kurichi Housing Unit II)	1	No
	7.50 LL cap. S.R. 16M staging (Ayyappa Nagar)	1	No
	15.00 LL cap. S.R. 16M staging (Karmal Nagar)	1	No
	2.50 LL cap. G.L.S.R. (Pillayarpuram)	1	No
	20.00 LL cap. S.R. 16M staging (Loganathapuram)	1	No
	20.00 LL cap. S.R. 16M staging (Muthaiya Nagar)	1	No
	7.50 LL cap. S.R. 16M staging (Mullai Nagar)	1	No
	2.50 LL cap. S.R. 16M staging (LIC Colony)	1	No
	2.50 LL cap. S.R. 16M staging (Arivozhi Nagar)	1	No
	Thudiyalur		
	5.00 LL cap. S.R. 16M staging (Tirupathi Nagar)	1	No
	2.50 LL cap. S.R. 16M staging (Cheran Colony)	1	No
	5.0 LL cap. S.R. 16M staging (Perinba Nagar)	1	No
	Vellakinar	-	
	2.50 LL cap. S.R. 16M staging (Sri Ranga Majestic Avenue)	1	No
	2.50 LL cap. S.R. 16M staging (Thillai Nagar)	1	No
	5.0 LL cap. S.R. 16M staging (Periyasamy Layout)	1	No
	Kalapatti	-	
	5.00 LL cap. S.R. 18M staging (Siva Nagar)	1	No
	5.00 LL cap. S.R. 12M staging (Balaji Nagar Phase II)	1	No
	5.00 LL cap. S.R. 16M staging (Elango Nagar)	1	No
	7.50 LL cap. S.R. 16M staging (Subadarsan Garden)	1	No
	5.00 LL cap. S.R. 16M staging (VKL Garden)	1	No
	2.50 LL cap. S.R. 16M staging (Vaiyapuri Nagar)	1	No
	Villankurichi	-	
	5.00 LL cap. S.R. 12M staging (Sivaram Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (VKV Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (Kooturavu Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (Vignesh Nagar)	1	No
	5.00 LL cap. S.R. 16M staging (Surya Nagar)	1	No
	2.50 LL cap. S.R. 16M staging (T Nagar)	1	No
	Saravanampatti	-	
	5.00 LL cap. S.R. 16M staging (Namachivaya Nagar)	1	No
	7.50 LL cap. S.R. 16M staging (Shakthi Nagar Park)	1	No
	7.50 LL cap. S.R. 16M staging (Marvel Parambariyam)	1	No
	Chinnavedampatti	-	
	2.50 LL cap. S.R. 16M staging (Sri Akkammal Garden)	1	No
	7.50 LL cap. S.R. 16M staging (Anjugam Nagar)	1	No
	2.50 LL cap. S.R. 16M staging (Raman Sri Mayuri Layout)	1	No
	2.50 LL cap. S.R. 16M staging (Srinivasa Nagar)	1	No

11	Distribution system		
	Existing (retained)	358341	M
	Proposed	917676	M
	D.I.Pipes (K7 class)		
	600mm dia	1708	M
	500mm dia	1096	M
	450mm dia	1988	M
	400mm dia	3518	M
	350mm dia	4019	M
	300mm dia	13150	M
	250mm dia	25630	M
	200mm dia	858	M
		51967	M
	HDPE Pipes PE 100 PN6		
	225mm dia	10730	M
	200mm dia	21977	M
	180mm dia	14261	M
	160mm dia	28595	M
	140mm dia	23098	M
	125mm dia	39980	M
	110mm dia	721126	M
		859767	M
	GI Pipes		
	150mm dia	742	M
	125mm dia	382	M
	100mm dia	1053	M
	80mm dia	3765	M
		5942	M
12	MDPE House Service Connections		
	Domestic	115192	Nos
	Non Domestic	4876	Nos
	Reservoir Management System	1	No.
	Watchman shed cum store room	103	Nos
	Pump room size 1.5mx1.2m for housing Electromagnetic Flow meter	103	Nos