

FLOW DIAGRAM



SALIENT DETAILS

1	Name	:	Combined Water Supply Scheme to Chithamur and 27 other habitations in Anakkavur Union
2	No. of Habitations Covered	:	28
3	Population		
	Present (2011)	:	13674
	Base year (2012)	:	13756
	Intermediate year (2027)	:	15131 20183
	Ultimate year (2042)	:	16505
4	Installation cost	:	Administrative Sanction for Rs. 185.00 Lakhs in the B.P.Ms.No.23/PDC (wing) / Dt.20.02.2012.
			Technical sanction CE/ TWAD /Vellore in CER.No.38/2011-12/ dt.6.03.2012 for Rs.183.00 lakhs.
5	Daily Requirement		
	Intermediate	:	499323 lit
	Ultimate	:	544665 lit
6	Hours of Pumping	:	16 Hours at Head Works
		:	12 Hours at Booster Station
7	Requirement of LPM		
	Intermediate (2027)	:	528 lpm
	Ultimate (2042)	:	573 lpm
8	Name of Contractor Executed	:	M/S K.N. Raj Constructions,
			No. 3/301, Periyar Nagar,
			Krishnagiri
9 i	Date of Commencement of Original Scheme	:	10.01.2013
9 ii	Date of Completion of Original Scheme.	:	16.12.2013
10	SCHEME DETAILS		
	I Head Works		
a	Source	:	Infiltration well : 2 nos
		:	1no - Existing 3.50m dia 7.90m depth - 300lpm yield
		:	1no New 3.50m dia 9.00m depth Baby well 2.50m dia - 1.00m depth - 300 lpm

b	Pumpsets		
	Pumpset at Infiltration well no.1	:	2 HP Submersible Pumpset 264 lpm x 21m Head with stand by
	Pumpset at Infiltration well no.2	:	2 HP Submersible Pumpset 264 lpm x 15m Head with stand by
	Pumpset at Common Sump	:	7.50 HP Submersible Pumpset 528 lpm x 38m Head with stand by
	Guarantee period Card	:	One year from date of Supply - Guarantee period already expired
	Armoured Aluminium Cable	:	10Sqmm Armoured Aluminium Cable - 800m
c	Control Room	:	4m x 3m : 1 no
d	Sump	:	35000 lit capacity ground level sump - 1no (1 Hour detention time)
e	Short Raising Main	:	80 mm CI D/F Pipe : 295 M x
II	Pumping main	:	160mm OD PVC 4 Ksc pipe : 6419 m x
		:	150 mm GI Pipe : 162 m x
III	Booster station		
a	Sump	:	140000 lit capacity ground level sump - 1no (4 Hours detention time)
b	Control Room	:	4m x 3m : 1 no
c	Pumpset		
	Pumpset for Chithamoor Booster main	:	2 HP Submersible Pumpset 155 lpm x 29m Head with stand by - Working
	Pumpset for Palanjur Booster main	:	3 HP Submersible Pumpset 242 lpm x 34m Head with stand by - Working
	Pumpset for Malaivaiyavur Booster main	:	4 HP Submersible Pumpset 302 lpm x 39m Head with stand by - Working
	Guarantee period Card	:	One year from date of Supply - Guarantee period already expired

d	Booster mains & Branch mains	: 140mm OD PVC 4 Ksc pipe	: 1324 m ✓
		: 110mm OD PVC 4 Ksc pipe	: 4316 m ✓
		: 90mm OD PVC 4 Ksc pipe	: 7487 m ✓
		: 75mm OD PVC 4 Ksc pipe	: 3491 m ✓
		: 63mm OD PVC 4 Ksc pipe	: 12726 m ✓
		: 50mm OD PVC 6 Ksc pipe	: 2910 m ✓
		: 125 mm GI Pipe	: 38 m ✓
		: 100 mm GI Pipe	: 58 m ✓
		: 80 mm GI Pipe	: 116 m ✓
		: 65 mm GI Pipe	: 130 m ✓
		: 50 mm GI Pipe	: 218 m ✓
		: 80 mm CI D/F Pipe	: 142.25 m ✓
		Total	: 32956.25 m
IV	Service Reservoir		
a	100000 lit capacity	: 1 no (Existing)	
b	60000 lit capacity	: 1 no (Existing)	
c	30000 lit capacity	: 24 nos (Existing)	
d	10000 lit capacity	: 2 nos (Existing)	
e	1000 lit capacity HDPE Tank	: 1 no - New at Thirupathithangal - HDPE Tank handed over to the President, Echur panchayat	
V	Distribution System	: Existing	
VI	STPF	: Existing	
11	VALVES AND WATER METER		
a	Air Valve	: 50 mm Double Air Valve	: 8 nos
		: 40 mm Double Air Valve	: 4 nos
		: 20 mm Single Air Valve	: 27 nos
b	Scour Valve	: 100mm CI Scour Valve	: 3 nos

c	Sluice Valve	: 150 mm CI Sluice Valve	: 3 nos
		: 125 mm CI Sluice Valve	: 2 nos
		: 100mm CI Sluice Valve	: 3 nos
		: 80mm CI Sluice Valve	: 5 nos
		: 65mm CI Sluice Valve	: 5 nos
		: 50mm CI Sluice Valve	: 30 nos
d	Water Meter	: 150mm Water Meter	: 2 nos
		: 100mm Water Meter	: 1 nos
		: 80mm Water Meter	: 1 no
		: 50mm Water Meter	: 28 nos
12	Contractor's Maintenance period		
i	Date of Commencement	: 02.06.2014	
ii	Date of Completion	: 01.06.2015	
13	Annual Maintenance Estimate for the year 2015 -16	SE/TWAD/ VLR - TV Malai SECR. no. 03/2015-16 dated 18.05.15 - Rs. 13.85 lakhs	
14	Name of labour contractor	: M/S K.N. Raj Constructions,	
		No. 3/301, Periyar Nagar,	
		Krishnagiri	
15	Work order Reference	EE/ TWAD/ RWS/ Thiruvannamalai w.o. no. 05/ F.Chithamoor AM/ JDO/ 2015 dated 30.06.2015	
16	Agreement Reference	DR no. 67 / 2015- 16 dated 15.07.2015 - Rs. 6,64,013.07	
17	FM Sketch		
	FM Sketch for Head Works	: Pumproom locatted in the bank of Cheyyar River near Anappathur	
	FM Sketch for Booster Station	: Erumaivetti village no 155 - S.F.no. 61 Promboke land - 1.14 Hec. (Copy enclosed)	
18	Completion Plan	: Enclosed	
19	Details of laying of Pipe line in Private land	: NIL	

20	Details of Payment of Road Restoration	: Rs. 22,90,000 is remitted to Highways and permission obtained from DE/ (C & M) (H) Thiruvannamalai vide Ir. No. 88/ 2013/ D3 dated 03.04.2013 for the following Road
		Arcot - Tindivanam Road - Km 44/8 to 50/8
		Anakkavur - Kovilur Road - Km 0/0 to 3/5
		Vadaalapiranthan Road - Km 0/0 to 4/5
		Palanjur - Thirumpoondi Road - Km 0/0 to 4/0
21	Details of EB Service	
a	Head works (Anappathur)	: 244 - 002 - 867 CC Charges paid upto 20.11.2014
b	Booster Station	: 244 - 006 - 662 CC Charges paid upto 13.12.2014
22	DCB details	: Demand raised for the upto 30.06.2015 and the amount to be collected from the panchayats
i	Anapathur panchayat	: Rs. 21951
ii	Erumaivetti panchayat	: Rs. 88893
iii	Kulamandai panchayat	: Rs. 27423
iv	Arasur panchayat	: Rs. 58176
v	Thirumpoondi panchayat	: Rs. 53634
vi	Palanjur panchayat	: Rs. 3552
vii	Anakkavur panchayat	: Rs. 19764
viii	Thenthandalam panchayat	: Rs. 35130
ix	Perumbalai panchayat	: Rs. 43932
x	Chithamoor panchayat	: Rs. 5481
xi	Purisai panchayat	: Rs. 54966
xii	Echur panchayat	: Rs. 33837

P. Sankar Arin

REQUIREMENT

Sl. no	Name of Panchayat	Name of Habitation	Requirement in lit			Requirement in lpm in Booster station			Capacity of OHT available
			Base year	Intermediate	Ultimate	Base year	Intermediate	Ultimate	
1	Anapathur	Sugarmill Koot Road	13319	14652	16005	18	20	22	30000
2	Erumaivetti	Erumaivetti	20038	22044	24024	28	31	33	30000
3	Erumaivetti	Erumaivetti colony	17998	19800	21582	25	28	30	30000
4	Erumaivetti	Vadasenthamangalam	14459	15906	17358	20	22	24	30000
5	Kulamandai	Kulamanthai	16378	18018	19635	23	25	27	30000
6	Arasur	Arasur	15238	16764	18282	21	23	25	30000
7	Arasur	Upparavarkudisai	2970	3267	3564	10	10	10	30000
8	Arasur	Arasur colony	13949	15345	16764	19	21	23	30000
9	Thirumpoondi	Thirumpoondi	20878	22968	25080	29	32	35	30000
10	Thirumpoondi	Thirumpoondi colony	19828	21813	23793	28	30	33	30000
11	Thirumpoondi	Thirumpoondi Mettu street	12299	13530	14784	17	19	21	30000
12	Palanjur	Palanjur	12419	13662	14883	17	19	21	30000
13	Palanjur	Padithangal	7649	8415	9174	11	12	13	30000
14	Anakkavur	Vinayagapuram	13589	14949	16302	19	21	23	30000
15	Thenthandalam	Thenthandalam	15898	17490	19074	22	24	26	30000
16	Thenthandalam	Thenthandalam colony	8999	9900	10824	12	14	15	30000
17	Perumbalai	Perumbalai	23218	25542	27885	32	35	39	30000
18	Perumbalai	Perumbalai colony	13079	14388	15675	18	20	22	10000
19	Chithamoor	Chithamoor	13649	15015	16401	19	21	23	30000
20	Purisai	Ayapakkam	13049	14355	15642	18	20	22	10000
21	Purisai	Purisai	38336	42174	46002	53	59	64	100000
22	Purisai	Purisai colony	10289	11319	12342	14	16	17	30000
23	Echur	Echur	30698	33771	36951	43	47	51	60000
24	Echur	Echur	15708	17280	18720	22	24	26	30000
25	Echur	Palla Echur	25317	27852	30360	35	39	42	30000
26	Echur	Mettu colony	11879	13068	14256	16	18	20	30000
27	Echur	Palla colony	11609	12771	13926	16	18	19	30000
28	Echur	Malaivaiyavoor	16858	18546	20229	23	26	28	30000
29	Echur	Thirupathythangal	4290	4719	5148	10	10	10	1000 HDPE tank