

RAMANATHAPURAM CWSS

SALIENT DETAILS

1. Name of Scheme : CWSS to Ramanathapuram and 4 other Municipalities, 11 Town Panchayats and 3163 Rural Habitations in 18 Panchayat Unions in Ramanathapuram, Sivagangai and Pudukkottai Districts.
2. Admn. Approval No. and Date. : G.O.Ms.No. 146/MA & WS Dept./ Dt.01.12.2006 for Rs.616.00 crores.
3. Tech. Sanction No. and Date. : 1) Chief Engineer/SR / MDU No.21/2006-2007/ Dt.06.12.2006 for Rs.3850 Lakhs. – Stage I.
2) Chief Engineer/SR/MDU No.53/2006-2007/ Dt.19.02.2007 for Rs.59650 Lakhs – Stage II.
- Revised Admn. Approval No. and Date as per Execution. : G.O.Ms.No. 119/MA & WS Dept./ Dt.07.08.2015 for Rs.671.592 crores.

4. FUNDS

(Rs. In crore)

Funding Agencies	TUFIDCO		NABARD	MNP	TOTAL
	Mplty	T.P.			
Funds Tie up for Urban Components	191.15	90.86	0.00	0.00	282.01
Funds Tie up for Rural Components	0.00	0.00	273.12	60.87	333.99
Total	191.15	90.86	273.12	60.87	616.00

5. Population benefited : Base year population (2006) .. 15.76 Lakhs.
Ultimate population (2036) .. 19.76 Lakhs.
6. Pro- rate supply : Municipalities .. 70 lpcd.
Town panchayats .. 50 & 60 lpcd.
Rural Habitations .. 20 to 40 lpcd.
7. Water requirement per day : Base year supply (2006) .. 68 Million litres per day
Ultimate supply (2036) .. 100 Million litres per day
8. Beneficiaries under this scheme : Municipalities .. 5 Nos
Town Panchayats .. 11 Nos.
Rural Habitations .. 3163 Nos. in 18 Panchayat unions of Pudukkottai, Sivagangai and Ramnad Districts.

9.BENEFICIARIES

a. Pudukottai District.

- i. Town Panchayat : Ponnamaravathy UTP.
- ii. Rural Habitations : 32Nos.

b. Sivagangai District.

- i. Municipalities : Sivagangai Municipality.

- ii. Town Panchayats : Thiruppathur
Nerkuppai
Ilayankudi
- iii. Rural Habitations : 799Nos

c. Ramanathapuram District.

- i. Municipalities : Ramanathapuram
Paramakudi
Keelakarai
Rameswaram
- ii. Town Panchayats : Thondi
R.S.Mangalam
Mandapam
Mudukulathur
Abiramam
Kamuthi
Sayalkudi
- iii. Rural Habitations : 2332Nos.

10. COST : Total Expenditure as per Execution –
Rs.671.592Crores.

HEAD WORKS

	Collector well I	Collector well II	Collector well III	Collector well IV
Dia of well	6.00m	6.00m	6.00m	6.00m
Depth of well	17.50m	18.05m	15.75m	17.50m
Length of Foot Bridge	678m	715m	485m	178m
Connecting main size and length.	700mm dia 690 m	600mm dia 1150 m	600 mm dia 1780 m	600mm dia 3960 m
Duty of Vertical Turbine Hollow shaft pumpsets	16870 lpm x 22.56m – H, 120HP	16870 lpm x 24.56m – H, 125HP	16870 lpm x 25.56m - H, 150HP	16870 lpm x 29.56m-H, 150HP

Component	Numbers	Inner dia	Storage depth	Duty of pumpsets
20 LL Sumps	2 Nos.	29.80 m	2.75 m	--
5 LL Sump cum Pumphouse.	2 Nos.	10.00 m	6.35 m	3 x 2 Nos. Vertical Turbine Solid shaft pumpset 16870 lpm x 91.5 m - H

Booster Station at Poruvai

20 LL Sumps	2 Nos.	25.25 m	4.00 m	--
5 LL Sump cum Pumphouse.	2 Nos.	10.00 m	4.81 m	3 x 2 Nos. Vertical Turbine Solid shaft pumpset 16790 lpm x 84 m - H

PACKAGE I

1	Pumpsets at Booster station	1.5 HP submersible – 2 Nos. (100% stand bye) 153 lpm x 19m head 7.5 HP submersible - 2 Nos. (100% stand bye) 234 lpm 47 m head	
2	Pumping Main	Mutharasanallur to Poruvai sump 1220 mm ms pipes- 34.60 km	
3	Feeder main for Rural habitations PVC	140mm PVC 6ksc Pipe	1617M
		110 mm PVC 6ksc Pipe	1463 M
		90 mm PVC 6ksc Pipe	5901 M
		90 mm PVC 4ksc Pipe	7351 M
		75 mm PVC 6ksc Pipe	11180 M
		63 mm PVC 6ksc Pipe	958 M
		63 mm PVC 4ksc Pipe	19369 M
		Total	- 47893 M

PACKAGE II

1	Pumpsets at Booster station	428 HP Turbine –6Nos(50% Stand bye)16790 lpmx84M	
2	Pumping Main	Poruvai To ALAVAYAL sump 1220 mm ms pipes-45.655 km	
3	Feeder main to Ponnamaravathy T.P	200 mm PVC Pipe 140 mm PVC Pipe	891.90 M 1381.10 M
4	Feeder main for Rural habitations PVC	200 mm PVC 4ksc Pipe 160 mm PVC 4ksc Pipe 160 mm PVC 6ksc Pipe 110 mm PVC 6ksc Pipe 63 mm PVC 4ksc Pipe 50 mm PVC 6ksc Pipe	7297.10 M 8434.50 M 13862.80 M 2126.60M 926.70 M 3467.65M
	HDPE Pipes	160 mm HDPE PN 8 Pipe 140 mm HDPE PN 8 Pipe	5704.50 M 737.20 M

		110 mm HDPE PN 8 Pipe	6696.70M
		63 mm HDPE PN 8 Pipe	81.85 M
		50 mm HDPE PN 8 Pipe	2518.90M
5	Group sumps and pumpsets		
Sl.No	Location	Sump Cap	Pumpset Details
1	At Poruvai		
	a)	5.00 LL	Vertical Turbine 428 HP x 3 Nos.
	b)	5.00 LL	Vertical Turbine 428 HP x 3 Nos.
2	At Alavayal		
	a)	25.00LL	
	b)	25.00LL	
	c)	25.00LL	
3	At Ponnamaravathy		
	a)	0.60 LL	Horizontal split casing 12.5.HP x 2
		Covered under Pkg.III	
4	At Mavoor		
	a)	0.10 LL	Open well Submersible 2 HP x 2

PACKAGE III

1	Gravity Main	Alavayal Sump to Kalayarkoil MSR 1100mm PSC Main-60.329KM 1100mm BWSC Main-9.299KM
2	Benefitted Town Panchayat	NERKUPPAI TOWN PANCHAYAT Sump Capacity-0.30LL Pump room Size-3x3m Pumpset-4HP Submersible Pumpset-2 nos Feeder main Length 110mm PVC Pipe-294m 90mm PVC Pipe-164m 63mm PVC Pipe-16722m No of S.R newly Constructed 30000 Litre -1no 10000 Litre-4nos Distribution Syatem Laid 63mm PVC Pipe-2228 Public Fountain-11 Nos THIRUPPATHURTOWN PANCHAYAT Sump Capacity-1.00LL Pump room Size-5x4m Pumpset-20HP HSC Pumpset-2 nos Feeder main Length 250mm HDPE PVC Pipe - 4390m 90mm PVC Pipe - 600M
3	Benefitted Union	KALLAL UNION No of Main Sump-2 nos 1 at Aranmanai Siruvayal 2 at Pattamangalam <u>Main Sump at Aranmanai Siruvayal</u> Capacity of Sump:3.00 LL No of Feeder Main -2 nos

		<p>No of Pumping Main -3 nos Pump room Size-8mx5m Pumpset- Summersible Pump set 5x2 nos No of Intermediate Sump :3 Nos 1) At Panangudi Capacity of Sump:1.00 LL No of Feeder Main -1 nos Pump room Size-3mx3m Pumpset- Summersible Pump set 1x2 nos 2) At Vertriyur Capacity of Sump:1.00 LL No of Feeder Main -1 nos Pump room Size-3mx3m Pumpset- Summersible Pump set 1x2 nos 3) At Anna Nagar Capacity of Sump:1.00 LL No of Feeder Main -1 nos Pump room Size-3mx3m Pumpset- Summersible Pump set 1x2 nos</p> <p><u>Main Sump at Pattamangalam</u> Capacity of Sump:3.00 LL No of Feeder Main -2 nos No of Pumping Main -2 nos Pump room Size-5mx4m Pumpset- Summersible Pump set 4x2 nos No of Intermediate Sump :2 Nos 1) At Pillaiyarpatty Capacity of Sump:2.00 LL No of Feeder Main -3 nos Pump room Size-5mx4m Pumpset- Summersible Pump set 3x2nos 1 A) At Arcot Capacity of sump : 0.10 LL Pump room : Kiosk 2) At North Avanthipatty Capacity of Sump:2.00 LL No of Feeder Main -2 nos No of Pumping Main -1no Pump room Size-3mx3m Pumpset- Summersible Pump set 3x2nos 2a) At Vadugapatti Capacity of sump : 0.05 LL Pump room : Kiosk 2b) At Melamahanam Capacity of Sump:3.00 LL No of Feeder Main -1 nos Pump room Size-3mx3m Pumpset- Summersible Pump set 1x2 nos 2c) At Thalakkavoor ADC Capacity of sump : 0.10 LL Pump room : Kiosk No Of New S.R Constructed 30000 Litre -2nos 10000 Litre-12nos</p>
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		5000 Litre GLSR-4 Nos Distribution Syatem Laid 63mm PVC Pipe-4850m Public Fountain-40 Nos
4	Feeder main for Rural habitations and Pumping mains From Sump to Sump	160 mm PVC 6ksc Pipe 12230 M 140 mm PVC 6ksc Pipe 2200 M 140 mm PVC 4ksc Pipe 15580 M 110 mm PVC 4ksc Pipe 41310M 90 mm PVC 4ksc Pipe 32570 M 75mm PVC 4ksc Pipe 20020M 63mm PVC 4ksc Pipe 64975M 75mm PVC 4ksc Pipe 79775M
5	Kalayarkoil MSR	Capacity : 10.00 LL Staging Height : 14m

PACKAGE IV

1	Gravity Main & Branch Gravity Main.	MSR at Kallal - 2.00 Lakh Lit-1No. 600mm to 350mm PSC pipe - 87.47KM 300mm to 100mm CI pipe - 46.67KM
2	Benefitted Town Panchayat	THONDI TOWN PANCHAYAT Sump Capacity-0.60LL Pump room Size-5x4m Pumpset-10HP HSC Pumpset-2 nos Feeder main Length 160mm PVC Pipe - 18M 110mm PVC Pipe - 916M 75mm PVC Pipe - 2864M R.S.MANGALAM TOWN PANCHAYAT Sump Capacity-0.60LL Pump room Size-8x5m Pumpset-7.5HP HSC Pumpset-2 nos Feeder main Length 160mm PVC Pipe - 2184M 140mm PVC Pipe - 160M 90mm PVC Pipe - 1365M
3	Benefitted Union	DEVAKOTTAI UNION No of Main Sump-2 nos 1 at Muppaiyur vilakku 2 at Pagayani <u>Main Sump at Muppaiyur vilakku</u> Capacity of Sump:2.00 LL Pump room Size-8mx5m Pumpset- Summersible Pump set 5x2 nos <u>Main Sump at Pagayani</u> Capacity of Sump:1.50 LL Pump room Size-8mx5m Pumpset- Summersible Pump set 4x2 nos Feeder main to rural habitations 140mm PVC 4 KSC Pipe – 4675m 110mm PVC 4 KSC Pipe – 6751m 110mm PVC 6 KSC Pipe – 23365m 90mm PVC 4 KSC Pipe – 53241m

	<p>75mm PVC 4 KSC Pipe – 23771m 63mm PVC 4 KSC Pipe – 51854m 50mm PVC 6 KSC Pipe – 60626m</p> <p>THIRUVADANAI UNION</p> <p>No of Main Sump - 5 nos 1 at Orikottai 2 at Kadambur 3 at Kattivayal 4 at Pandugudi 5 at Kulathur</p> <p><u>Main Sump at Orikottai</u> Capacity of Sump:2.00 LL Pump room Size-8mx5m Pumpset- Submersible Pump set 5x2 nos</p> <p><u>Main Sump at Kadambur</u> Capacity of Sump:3.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 5x2 nos</p> <p><u>Main Sump at Kattivayal</u> Capacity of Sump:3.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 4x2 nos</p> <p><u>Main Sump at Pandugudi</u> Capacity of Sump:1.50 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 5x2 nos</p> <p><u>Main Sump at Kulathur</u> Capacity of Sump:2.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 3x2 nos</p> <p>Feeder main to rural habitations 160mm PVC 4 KSC Pipe – 11269m 140mm PVC 4 KSC Pipe – 8068m 110mm PVC 4 KSC Pipe – 27228m 90mm PVC 4 KSC Pipe – 51774m 75mm PVC 4 KSC Pipe – 41080m 63mm PVC 4 KSC Pipe – 160882m 50mm PVC 6 KSC Pipe – 145971m</p> <p>R.S.MANGALAM UNION</p> <p>No of Main Sump - 5 nos 1 at Anandur Vilakku 2 at A.R.Mangalam 3 at Union Office 4 at Thiruppalaikudi Vilakku 5 at Periyakanmoi</p> <p><u>Main Sump at Anandur Vilakku</u> Capacity of Sump:3.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 4x2 nos</p> <p><u>Main Sump at A.R.Mangalam</u> Capacity of Sump:3.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 4x2 nos</p> <p><u>Main Sump at Union Office</u></p>
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		Capacity of Sump:2.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 4x2 nos <u>Main Sump at at Thiruppalaikudi Vilakku</u> Capacity of Sump:2.00 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 3x2 nos <u>Main Sump at Periyakanmoi</u> Capacity of Sump:1.50 LL Pump room Size-5mx4m Pumpset- Submersible Pump set 3x2 nos Feeder main to rural habitations 160mm PVC 4 KSC Pipe – 4080m 140mm PVC 6 KSC Pipe – 12330m 140mm PVC 4 KSC Pipe – 20556m 110mm PVC 4 KSC Pipe – 40185m 90mm PVC 4 KSC Pipe – 48484m 75mm PVC 4 KSC Pipe – 49127m 63mm PVC 6 KSC Pipe – 930m 63mm PVC 4 KSC Pipe – 137837m 50mm PVC 6 KSC Pipe – 117337m
	Sumps	38Nos Urban sump -2Nos,(Thondi & R.S.Mangalam) Main rural sump – 15Nos. Regrouping sump – 21Nos.
	Distribution system	34.00KM.

PACKAGE V

1	Gravity Main	Alavayal Sump to Kalayarkoil MSR 1200mm PSC Main -2.610KM 1000mm PSC Main-28.994 KM
2	Pumping Main	From Kalayarkoil Sivagangai Municipality 350 mm PSC – 12 KSC pipe - 10170 m 350 mm PSC – 10 KSC pipe - 2100 m 350 mm PSC – 8 KSC pipe - 2913 m 350 mm PSC – 6 KSC pipe - 780 m 350 mm PSC – 4 KSC pipe - <u>3707</u> m Total - <u>19670</u> m
3	Benefited Municipality	Sivagangai Municipality Sump Capacity-3.00LL Pump room Size-8x5m Pumpset-50HP HSC Pumpset-2 nos Feeder main Length to existing & new service reservoirs 315 mm HDPE Pipe – PN 6 class- 441 M 200 mm PVC 4 KSC – 81 m 140 mm PVC 4 KSC - 20 m 110 mm PVC 4 KSC - 950 m ----- Total - 1492 m S.R newly Constructed - 4.00 lakh Litre -1no
4	Benefited Town panchayat	ILAYANKUDI TOWN PANCHAYAT Sump Capacity-1.00 LL Pump room Size-5x4m

		<p>Pumpset- 7.5HP HSC Pumpset- 2 nos</p> <p>Feeder main Length</p> <p>200 mm PVC 4 KSC – 168 m</p> <p>110 mm PVC 4 KSC - 800 m</p> <p>75mm PVC 4 KSC - 1030 m</p> <p>63 mm PVC 4 KSC - 4013 m</p> <p>50 mm PVC 6 KSC - <u>538 m</u></p> <p>Total - 6549 m</p> <p>-----</p>
5	Benefited Union	<p>KALAYARKOIL UNION</p> <p>No of Main Sump-3 nos</p> <p>1 at Kalayarkoil</p> <p>2 at Paruthikanmoi and at Ilanthakarai</p> <p><u>Main Sump at Kalayarkoil</u></p> <p>Capacity of Sump:1.00 LL</p> <p>Pump room Size- 11 x 8.7m</p> <p>Pumpset- Horizontal split casing centrifugal pumpset – 3192 lpm X 48 m Head - 50 HP x 2 Nos.</p> <p>Submersible Pump set 3X2 nos</p> <p>No of Intermediate Sump :2 Nos</p> <p>1) At Kollangudi</p> <p>Capacity of Sump:1.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>1a) At Kandipatti</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>2) At Thiruvelangudi</p> <p>Capacity of Sump:1.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>2a) At Chinnaponnampatti</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>2b) At Chockkanathpuram</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>Main Sump at Paruthikanmoi</p> <p>Capacity of Sump: 2.00 LL</p> <p>Pump room Size-8x5m</p> <p>Pumpset- Submersible Pump set 5x2 nos</p> <p>No of Intermediate Sump :4 Nos</p> <p>1 At Maravamangalam</p> <p>Capacity of Sump:1.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>2) At Uruvatti</p> <p>Capacity of Sump: 1.00 LL</p>

		<p>Pump room Size-3x3m Pumpset- Submersible Pump set 2x2nos</p> <p>3) At Periyakannanur Capacity of Sump:2.00 LL Pump room Size-3x3m Pumpset- Submersible Pump set 1x2 nos</p> <p>4) At Satharasankottai Capacity of Sump:1.00 LL Pump room Size-3x3m Pumpset- Submersible Pump set 3x2 nos</p> <p>Main sump at Ilanthakarai Capacity of Sump: 1.50 LL Pump room Size-8x5m Pumpset- Submersible Pump set 4x2 nos No of Intermediate Sump :1 No</p> <p>1) At Kundakudai Capacity of Sump:1.00 LL Pump room Size-3x3m Pumpset- Submersible Pump set 1x2 nos No Of New S.R Constructed 10000 Litre-5 nos 5000 Litre GLSR-5 Nos Distribution System Laid 63mm PVC Pipe-1410m Public Fountain-8 Nos</p>																						
6	Feeder main for Rural habitations and Pumping mains From Sump to Sump in Kalayarkoil Union	<table><tr><td>140 mm PVC4ksc Pipe</td><td>15560 M</td></tr><tr><td>110 mm PVC 6ksc Pipe</td><td>3167 M</td></tr><tr><td>110 mm PVC 4ksc Pipe</td><td>84920 M</td></tr><tr><td>90 mm PVC 4ksc Pipe</td><td>31180 M</td></tr><tr><td>75 mm PVC 4ksc Pipe</td><td>41373 M</td></tr><tr><td>63 mm PVC 6ksc Pipe</td><td>1890 M</td></tr><tr><td>63 mm PVC 4ksc Pipe</td><td>93231 M</td></tr><tr><td>50 mm PVC 6ksc Pipe</td><td>145748 M</td></tr><tr><td></td><td>-----</td></tr><tr><td>TOTAL</td><td>417069 M</td></tr><tr><td></td><td>-----</td></tr></table>	140 mm PVC4ksc Pipe	15560 M	110 mm PVC 6ksc Pipe	3167 M	110 mm PVC 4ksc Pipe	84920 M	90 mm PVC 4ksc Pipe	31180 M	75 mm PVC 4ksc Pipe	41373 M	63 mm PVC 6ksc Pipe	1890 M	63 mm PVC 4ksc Pipe	93231 M	50 mm PVC 6ksc Pipe	145748 M		-----	TOTAL	417069 M		-----
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50 mm PVC 6ksc Pipe	145748 M																							

TOTAL	417069 M																							

7	Benefited Union	<p>ILAYANKUDI UNION No of Main Sump-3 nos 1 at Kannamangalam 2 at Kalankathankottai and at Gaberiyalpattinam Main Sump at Kannamangalam Capacity of Sump:1.50 LL Pump room Size- 5 x 4 m Submersible Pump set 3X2 nos No of Intermediate Sump :2 Nos 1) At Ariyamangalam Capacity of Sump:1.00 LL Pump room Size-3x3m Pumpset- Submersible Pump set 1x2 nos 1a) At Enthal Capacity of sump : 0.05 LL</p>																						

		<p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>2) At Kodimangalam</p> <p>Capacity of Sump:1.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 2x2 nos</p> <p>2a) At Alambacheri</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>Main Sump at Kalankathankottai</p> <p>Capacity of Sump: 2.00 LL</p> <p>Pump room Size-5x4 m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>No of Intermediate Sump :3 Nos</p> <p>1 At Virayathakandan</p> <p>Capacity of Sump:2.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>2) At Utchani</p> <p>Capacity of Sump: 1.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 2x2nos</p> <p>3) At Seevalathi</p> <p>Capacity of Sump: 2.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>3a) At Varunthi</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>Main sump at Gaberiyalpattinam</p> <p>Capacity of Sump: 2.00 LL</p> <p>Pump room Size-5x4m</p> <p>Pumpset- Submersible Pump set 3x2 nos</p> <p>No of Intermediate Sump :2 Nos</p> <p>1) At Athikarai</p> <p>Capacity of Sump:2.00 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 2x2 nos</p> <p>2) At Vani</p> <p>Capacity of Sump:1.50 LL</p> <p>Pump room Size-3x3m</p> <p>Pumpset- Submersible Pump set 2x2 nos</p> <p>2a) At Kalvelipottal</p> <p>Capacity of sump : 0.05 LL</p> <p>Pump room : Kiosk</p> <p>Pumpset- Submersible Pump set 1x2 nos</p> <p>No Of New S.R Constructed</p> <p>30000 litre – 3 Nos</p> <p>10000 Litre-3 nos</p> <p>5000 Litre GLSR-3 Nos</p> <p>Distribution System Laid</p> <p>63mm PVC Pipe-4150 m</p> <p>Public Fountain-18 Nos</p>
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PACKAGE VI

1	Gravity Main from R.S Mangalam Cross to Pamban Sump – Package VI	
a)	Transmission main	
	Gravity PSC	800 - 500 mm dia PSC Pipe- 78435 M
	Pumping Main	400 mm dia PSC Pipes – 8800 M
		HDPE 200 mm dia PN.6 Pipes - 7335 M
		PVC 200 mm dia PSC Pipes - 10065 M
b)	Branch Main From Transmission Main to Sump	
		PSC 500 –350 mm & CI 150 mm – 300 - 88610 M
		Total - 193245 M
c)	Feeder main & Branch Feeder Main	
		PSC Pipe 350-mm - 1565 M
		CI Pipe 15 M
		HDPE 280-MM, 250-M & 160-MM Pipe – 5960 M
		PVC 250 mm – 50 mm Pipe 1054428 M
		CI 150-40 mm Pipes 3040 M
		Total -1065008 M
2	Sumps for Beneficieries	Total – 27 Nos
		20.00 Lakhs Litres capacity - 1 No
		5.00 Lakhs Litres Capacity - 1No.
		4.00 Lakhs Litres Capacity - 5 Nos
		3.00 Lakhs Litres Capacity - 9 Nos
		2.00 Lakhs Litres Capacity - 4 Nos
		1.50 Lakhs Litres Capacity - 3 No.s
		1.00 Lakhs Litres capacity - 3 Nos
		0.60 Lakhs Litres Capacity - 1 No.
		Total – 27 Nos
3	Service Reservoirs - 204 Nos	
		Total – 27 Nos
		5.00 Lakhs Litres Capacity - 3Nos.
		2.00 Lakhs Litres Capacity - 1 No
		1.00 Lakhs Litres Capacity - 1 No
		0.60 Lakhs Litres Capacity - 1 No

		0.30 Lakhs Litres Capacity - 34 Nos
		0.10 Lakhs Litres Capacity - 99 Nos
		0.05 Lakhs Litres Capacity -65 Nos
		Total – 204 Nos
4	Pump Rooms	11 x 8.7 m size - 1 No
		8 x 5.0 m Size - 2 Nos
		5 x 4.0 m Size - 22 Nos
		2 x 2.0 m Size (Existing) - 1 No
		Total 26 Nos
5	Distribution System	75.923 Km

PACKAGE VII

Sl. No.	Name of component	Total quantity in KM
1a)	Transmission main (Gravity) - PSC 900mm to 350mm	
	900 mm - 10 ksc	9.070
	800 mm - 12 ksc	0.915
	800 mm - 10 ksc	15.056
	700 mm - 12 ksc	11.411
	600mm - 14 ksc	5.937
	600mm - 12 ksc	0.350
	500mm - 16 ksc	0.830
	500mm - 14 ksc	12.713
	350mm - 16 ksc	5.535
b)(i)	Br Gravity main - PSC 350mm	
	500mm - 12 ksc	4.434
	350mm - 16 ksc	9.710
	350mm - 14 ksc	13.530
	350mm - 10 ksc	0.080
(ii)	Br Gravity Main-CI 300 to 125mm	34.180
c)(i)	Br Conveying main(Pumping) PSC 500mm to 350mm	
	450mm - 10 ksc	4.655
	450mm - 8 ksc	8.550
	450mm - 6 ksc	1.135
	350mm - 6 ksc	19.435
	350mm - 4 ksc	2.544
(ii)	Br Conveying main(Pumping)CI 300mm to 125mm	52.003
	Total	212.073
2a	Feeder main & Br.Feeder main PSC 350mm	
	350mm - 8 ksc	1.685
	350mm - 6 ksc	1.545
2b	Feeder main & Br.Feeder main HDPE 315mm to 250mm,	2.180
2c	Feeder main & Br.Feeder main PVC 250mm to 50mm	1248.363
2d	Feeder main & Br.Feeder main GI 150mm to 40mm	14.151

2e	Feeder main & Br.Feeder main CI 300mm	0.030
	Total	1267.954
3	Sump --31 Nos	
	8.00 Lakh .Litre	1 No
	1.50 Lakh Litre	1 No
	5.00 Lakh Litre	1 No
	4.00 Lakh Litre	7 No
	3.00 Lakh Litre	7 No
	2.00 Lakh Litre	6 No
	7.00 Lakh Litre	1 No
	1.00 Lakh Litre	2 No
	0.60 Lakh Litre	3 No
	0.30 Lakh Litre	2 No
4	Pump sets	126 No
5	Service Reservoir (165 Nos)	
	GLSR	66 No
	10000	63 No
	30000	30 No
	60000	5 No
	100000	1 No
6	Pump rooms (27Nos)	
	11 M x 8.7M	1 No
	8 M x 5 M	16 No
	5 M x 4 M	10 No
7	Distribution system	72.100 km