

SALIENT DETAILS

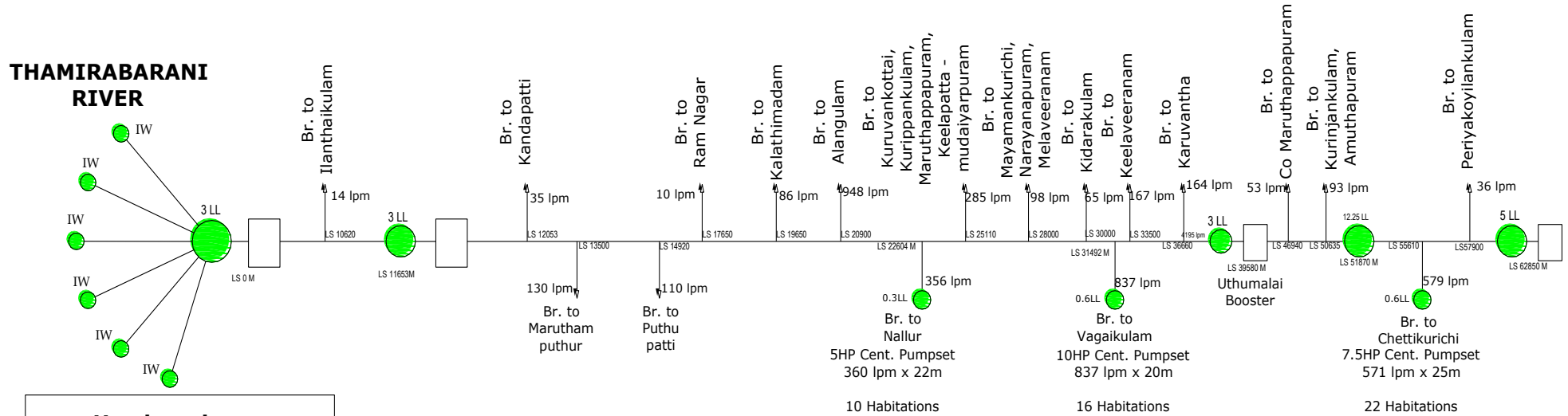
C.W.S.S. TO Sankarankovil - Alangulam and 94 wayside habitations in Tirunelveli District.

1	Scheme Cost	Rs.1291.02 Lakhs
2	Beneficiaries	: Municipality 1 No, Town Panchayat 1 No, Habitations 94 Nos
3	Populations	: 1,69,106
4	Designed Quantity	7.20 mld
5	Head works with Source details	: 3.50m dia Infiltration well - 5.50m depth - 6Nos
6	Pumpset	
a	Type	: 12.5 HP sub. Pumpset 1250 lpm x 19.5m - 6Nos
b	Duty	: 150 HP cent. Pumpset 7500 lpm x 62m - 2Nos
c	Hours of Pumping	: 22 Hours
7	Treatment Plant	Nil
8	Transmission Main	
a	Pumping main	: 500mm AC to 300mm AC - 51.87 Km
b	Gravity main	: 300mm AC to 250mm AC - 10.98 Km
9	Booster station	:
		: Kandapatti : 3.0LL, 215 HP, 7486 lpm, 90m head C. pumpset
a		: Uthumalai : 3.0LL, 150 HP, 3975 lpm, 95m head C. pumpset
b		: Kallathikulam : 12.25 LL (MSR)

			: Sankarankovil : 5.0LL, 30HP, 2906 lpm, 27m head C. pumpset
10 Feeder Mains/Branch pumping line			: 200mm PVC to 50mm PVC - 182 Km
11 No of Group sump with capacity			: Kandapatti : 3.0LL
			Uthumalai : 3.0LL
			Kallathikulam : 12.25 LL
			Sankarankovil : 5.0LL
12 Service Reservoirs with capacity			: 10000 Lit. - 44 Nos
			30000 Lit. - 16 Nos
			60000 Lit. - 13 Nos
			100000 Lit. - 5 Nos
			300000 Lit. - 1 No
			Total - 79 Nos

CWSS TO SANKARANKOVI MUNICIPALITY, ALANGULAM TOWN PANCHAYAT AND 94 WAYSIDE HABITATIONS

FLOW DIAGRAM



Head works at Nandanthattai
 Infiltration well - 6 Nos
 Dia : 3.50m (Inner)
 Yield : 1250lpm/each
 Pumpset 2x6 Nos
 12.5 HP Submersible
 1250lpm x 19.50m
 Sump: 3.00 LL
 150 HP Cent. Pumpset 2 Nos
 7500 lpm x 62m
 Transformer: 400KVA 2 Nos.

Kandapatti Booster
 Sump: 3.00 LL
 215 HP Cent. Pumpset 2 Nos
 7486 lpm x 90m head
 Transformer: 315KVA 2 Nos.
 Generator set : 320 KVA

Uthumalai Booster
 Sump: 3.00 LL
 150 HP Cent. Pumpset
 3975 lpm x 95 m head
 Transformer: 200KVA 2 Nos.
 Generator set : 250 KVA

Ridge point at Kallaathikulam

Sankarankovil Booster
 Sump: 5.00 LL
 30 HP Cent. Pumpset - 2Nos
 2906 lpm x 27 m head