

SALIENT DETAILS		
CWSS to PERANDAPALLI & 86 other habitations in Bargur Union and KALLAVI & 80 other habitations in Uthangarai Union		
1	Scheme Cost	Rs. 488.00 lakhs
2	Beneficiaries.	168 Habitations
3	Populations	56690
4	Design Quantity	1.03 mld
5	Head Works	
a	Source	Thenpennaiyar river near Pannathur village
b	Headworks (Existing)	Infiltration wells of 4.5 m dia 3 nos.
	pumpsets from infiltration wells to sump	7.5 HP submersible pumpset duty 850 lpm x 15 m Head - 3 nos.
	Connecting main	200 mm CI LA Cl. 925 m.
c	Sump cum Pumphouse (Existing)	75000 litres capacity (8 m dia, 5 m height)
	Pumpsets from sump to complex area GLSR	60 HP Turbine pumpsets Duty 2500 lpm x 77 m head - 2 nos. (1 no. standby).
6	Pumping main Existing	300 mm CI. LA Cl pipes - 10800 m
		300 mm CI. A Cl. pipes - 4800 m
	Total	15600 m
7	GLSR @ Complex area Existing	10.00 lakhs litres
8	Branch Pumping main & Feeder main	
	140 mm OD PVC 6 Ksc	3785
	140 mm OD PVC 4 Ksc	8160
	110 mm OD PVC 6 Ksc	9130
	110 mm OD PVC 4 Ksc	15600
	90 mm OD PVC 6 Ksc	60
	90 mm OD PVC 4 Ksc	6475
	75 mm OD PVC 4 Ksc	11550
	63 mm OD PVC 4 Ksc	19660
	50 mm OD PVC 6 Ksc	78157
	50 mm GI pipes 'B' Class	90
	Total	152667

9	Sump and Stand post	
	SUMP I near Puliyur	Capacity 30,000 litres
		Pumpsets 1 HP submersible 53 lpm x 36 m - 2 nos.
	SUMP II near Kosapatti	Capacity 40,000 litres
		Pumpsets 1 HP submersible 74 lpm x 25 m - 2 nos.
		(One standby)
	SUMP III @ Manjamettukottai	Capacity 1.00 lakh litres
		Pumpsets 1 HP submersible 142 lpm x 13 m - 2 nos.
		(One standby)
	SUMP IV @ Thiruvanampatti Koot road	Capacity 1.00 lakh litres
		Pumpsets I 2 HP submersible 77 lpm x 32 m - 2 nos.
		(One standby)
		Pumpsets II 2 HP submersible 95 lpm x 26 m - 2 nos.
		(One standby)
	SUMP V @ Morappur Pirivu salai	Capacity 2.00 lakh litres
		Pumpsets I 2 HP submersible 146 lpm x 23 m - 2 nos.
		(One standby)
		Pumpsets II 4 HP submersible 251 lpm x 32 m - 2 nos.
		(One standby)
	Stand post at Olapatti Koot road (Gravity)	Capacity 3.00 lakh litres
	Sump at Olapatti Koot road (Gravity)	Capacity 2.50 lakh litres
	Stand post at Kattuvendrahalli road (Gravity)	Capacity 10,000 litres
	BPT at Badapalli Junction	Capacity 10,000 litres
	Sump at Jimmandiyur Pirivu salai (Pumping)	Capacity 30,000 litres Pumpsets 1 HP submersible 59 lpm x 31 m - 2 nos. (One standby)
10	Sevice Reservoirs (Bargur Union)	Total
	Capacity 10,000 SR	2 Nos.
	Uthangarai Union	
	Capacity 10,000 SR	11 Nos.
	Capacity 30,000 SR	2 Nos.
	Total	13 Nos.

TO PERANDAPALLI & 86 OTHER HABITATIONS IN BARGUR UNION AND KALLAVI & 80 OTHER HABITATIONS IN UTHANGARAI UNION IN KRISHNAGIRI DISTRICT
CWSSFLOW DIAGRAM

