

HOGENAKKAL WATER SUPPLY AND FLUOROSIS MITIGATION PROJECT

PACKAGE - I



List of Equipments

(Volume 5)

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

Pump Details

Description	Pump No:1	Pump No:2	Pump No:3	Pump No:4	Pump No:5	Pump No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl.No	29607	29608	29609	29599	29597	29612
Type	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine
Model	750 T	750 T	750 T	750 T	750 T	750 T
Pump Duty (Lpmx head)	29113Lpm × 74.50m	29113Lpm × 74.50m	29113Lpm × 74.50m	29113Lpm × 74.50m	29113Lpm × 74.50m	29113Lpm × 74.50m
Bowl Head (Total head)	74.77m	74.77m	74.77m	74.77m	74.77m	74.77m
Bowl Efficiency	86.50%	86.50%	86.50%	86.50%	86.50%	86.50%
Bowl Input	411.19 Kw	411.19 Kw	411.19 Kw	411.19 Kw	411.19 Kw	411.19 Kw
Pump Input	400.42 Kw	400.42 Kw	400.42 Kw	400.42 Kw	400.42 Kw	400.42 Kw
Pump Efficiency	86.62%	86.62%	86.62%	86.62%	86.62%	86.62%
Rating	480Kw	480Kw	480Kw	480Kw	480Kw	480Kw
Date Of Supply	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12
Date Of Erection	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12
Date of Commissioning	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12
Rpm	1450	1450	1450	1450	1450	1450

Motor Details

Description	Motor No:1	Motor No:2	Motor No:3	Motor No:4	Motor No:5	Motor No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl. No	N 134716	N 134717	N 134818	N 134819	N 134820	N 134835
Type	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor
Capacity	$\frac{480Kw}{643Hp}$	$\frac{480Kw}{643Hp}$	$\frac{480Kw}{643Hp}$	$\frac{480Kw}{643Hp}$	$\frac{480Kw}{643Hp}$	$\frac{480Kw}{643Hp}$
Discharge	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)
Push Button	1 No	1 No	1 No	1 No	1 No	1 No
Vibration Sensors	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos
Temperature Sensors	6 Nos					

LIST OF EQUIPMENT

RAW WATER PUMPING STATION

Butter fly valve Details - Individual pump discharge						
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales
Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10	PN-10	PN-10	PN-10
Butter fly valve Gear box Details						
Description	Butter Fly Valve Gear Box No:1	Butter Fly Valve Gear Box No:2	Butter Fly Valve Gear Box No:3	Butter Fly Valve Gear Box No:4	Butter Fly Valve Gear Box No:5	Butter Fly Valve Gear Box No:6
Make	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission
Size	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE
Ratio	292/1	292/1	292/1	292/1	292/1	292/1
Type	QT	QT	QT	QT	QT	QT
Dismantling joint Details						
Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	600MM	600MM	600MM	600MM	600MM	600MM
Dual Plate Check Valve (NRV) Details						
Description	Dual plate check Valve No:1	Dual plate check Valve No:2	Dual plate check Valve No:3	Dual plate check Valve No:4	Dual plate check Valve No:5	Dual plate check Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16
Type	DIF	DIF	DIF	DIF	DIF	DIF
Tamperproof Air valve Details- For individual pump						
Description	Air Valve No:1	Air Valve No:2	Air Valve No:3	Air Valve No:4	Air Valve No:5	Air Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM
PN Rating	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16
Gate valve Details						
Description	Gate Valve No:1	Gate Valve No:2	Gate Valve No:3	Gate Valve No:4	Gate Valve No:5	Gate Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

Cast Iron Sluice gate Details - Penstock Gates for Pumphouse							
Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3	Sluice gate No:4	Sluice gate No:5	Sluice gate No:6	
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	
Size	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	
Surge System Air Compressor Details							
Description	Compressor Motor No:1	Compressor Motor No:2	Compressor No : 01				Compressor No : 02
Make	ELGI Equipments Ltd		ELGI Equipments Ltd				
Manufacture Model Number	Frame:Y2-160M-4		TS15120HN				
Motor/Compressor Rating	11 KW / 15 HP		12 Kgf /Cm ²				
Voltage Rating in Volts	415 ± 10%		NA				
Lubrication Grade	AP3		ELGI Compressor Oil				
Surge vessel Details							
Description	Surge Vessel No:01		Surge Vessel No:02		Surge Vessel No:03		
Design Code	IS 2825-1969	Capacity:38Cub mtr	IS 2825-1969	Capacity:38Cub mtr	IS 2825-1969	Capacity:38Cub mtr	
Operating Pressure	9.5Kg/Sq.cm	Radiography:10%	9.5Kg/Sq.cm	Radiography:10%	9.5Kg/Sq.cm	Radiography:10%	
Design pressure	14Kg/Sq.cm	Corrosion allow:2mm	14Kg/Sq.cm	Corrosion allow:2mm	14Kg/Sq.cm	Corrosion allow:2mm	
Hydro Test Pressure	19Kg/Sq.cm		19Kg/Sq.cm		19Kg/Sq.cm		
Vessel Size	2.6m Dia X 7.94mtr Length		2.6m Dia X 7.94mtr Length		2.6m Dia X 7.94mtr Length		
Operating Fluid	Air+ Water		Air+ Water		Air+ Water		
Total Weight (Empty)	11000Kg		11000Kg		11000Kg		
	Butter Fly Valve No:1		Butter Fly Valve No:2		Butter Fly Valve No:3		
	Make	Tyco valves	Make	Tyco valves	Make	Tyco valves	
	Dia	500MM	Dia	500MM	Dia	500MM	
	PN Rating	PN-16	PN Rating	PN-16	PN Rating	PN-16	
	Dismantling Joints No:1		Dismantling Joints No:2		Dismantling Joints No:3		
	Dia	500MM	Dia	500MM	Dia	500MM	
	Drain Valve Anti Hammer No:1		Drain Valve Anti Hammer No:2		Drain Valve Anti Hammer No:3		
	Make	Tyco valves	Make	Tyco valves	Make	Tyco valves	
	Dia	150MM	Dia	150MM	Dia	150MM	
	PN Rating	PN-16	PN Rating	PN-16	PN Rating	PN-16	
	Trash Rake Details						
	Description	Trash Rake screen No: 01		Trash Rake screen No: 02		Trash Rake screen No: 03	
	Size	5300 X 1265 MM	3No's	5300 X 1265 MM	3No's	5300 X 1265 MM	3No's

LIST OF EQUIPMENT**RAW WATER PUMPING STATION**

MSEP Stoplog Details						
Description	Stoplog No:01		Stoplog No:02		Stoplog No:03	
Size	4950 x 2700 MM	3No's	4950 x 2700 MM	3No's	4950 x 2700 MM	3No's
Dewatering Pump Details						
	Dewatering Pump No: 01		Dewatering Pump No: 02			
	Make	Kishore	Make	Kishore		
	Capacity	5.00 Hp	Capacity	5.00 Hp		
H.O.T Crane Details						
Make	S.L.Engineering					
Capacity	10 Ton					
E.O.T Crane Details						
Make	S.L.Engineering					
Capacity	8.5 Ton					
Raising Main valve Details						
Dual plate check valve (NRV) for Delivery main discharge						
Description	NRV No:1					
Make	R & D Multiples (Metal Cast) Pvt. Ltd					
Dia	1200MM					
PN Rating	PN-16					
Dismantling Joint for Delivery main discharge						
Description	Dismantling joint No:1					
Dia	1200MM					
PN Rating	PN-16					
Butter fly valve for Delivery main & Bypass flow meter						
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3			
Make	Tyco valves	Tyco valves	Tyco valves			
Dia	1200MM	1200MM	1200MM			
PN Rating	PN-16	PN-16	PN-16			
Dismantling Joint for Delivery main & Bypass flow meter						
Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3			
Dia	1200MM	1200MM	1200MM			
PN Rating	PN-16	PN-16	PN-16			

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

Dismantling Joint for Flowmeter

Description	Dismantling joint No:1
Dia	1200MM
PN Rating	PN-16

Butter fly valve for Delivery main discharge

Description	Butter Fly Valve No:1
Make	Tyco valves
Dia	1500MM
PN Rating	PN-16

Dismantling joint for Delivery main discharge

Description	Dismantling joint No:1
Dia	1500MM
PN Rating	PN-16

Location of 200mm dia Air Valve:-

Sl.No	Description	Location		Pipe Invert Level
1	Air Valve No.1	LS: 234 m	Km 0/0 to Km 1/0	256.375
2	Air Valve No.2	LS : 447 m	Km 0/0 to Km 1/0	256.65
3	Air Valve No.3	LS : 515 m	Km 0/0 to Km 1/0	256.65
4	Air Valve No.4	LS : 1387 m	Km 1/8 to Km 2/0	258.5
5	Air Valve No.5	LS : 2064 m	Km 2/4 to Km 2/6	268.135
6	Air Valve No.6	LS : 2472 m	Km 3/0	276.245
7	Air Valve No.7	LS : 3256 m	Km 3/6 to Km 3/8	273.975
8	Air Valve No.8	LS : 3776 m	Km 4/2 to Km 4/4	283.3
9	Air Valve No.9	LS : 4416 m	Km 4/8 to Km 5/0	289.685
10	Air Valve No.10	LS : 4890 m	Km 5/4	291.555
11	Air Valve No. 11	LS : 5250 m	Km 5/6 to Km 5/8	295.24
12	Air Valve No. 12	LS :5562 m	Km 6/0 to Km 6/2	296.64

Location of 300mm dia Scour Valve:-

Sl.No	Description	Location		Pipe Invert Level
1	Scour Valve No.1	LS : 540 m	Near Chinnar River Left side	250.01
2	Scour Valve No.2	LS : 2887 m	Km 3/4	268.34

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

33KV OUTDOOR DP STRUCTURE

Description	INCOMER SUPPLY- 1(O/H)	INCOMER SUPPLY-2(U/G)
AB Switch	33KV,1250A, AB Switch-1set	33KV,1250A, AB Switch-1set
HG Fuse	33KV,750A,HG Fuse-1Set	33KV,750A,HG Fuse-1Set
Lighting Aresstor	33KV, Lighting aresstor-1Set	33KV, Lighting aresstor-1Set

33KV,HT OUTDOOR VCB PANEL

Description	OUTDOOR VCB- 1 (O/H)	OUTDOOR VCB- 2 (U/G)
Make	MEGAWIN	MEGAWIN
Type	MHVCB	MHVCB
Rated Voltage	36KV/630A, 50HZ	36KV/630A, 50HZ
Serial No	120992/10216	120991/10216
Year of Manufacture	2012	2012

33KV,HT INDOOR VCB PANEL

Description	INCOMER-1	OUTGOING FEEDER-1	BUSCOUPLER
Make	AREVA	AREVA	AREVA
Type	PIX-36	PIX-36	PIX-36
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ	33KV/630A, 50HZ
Serial No	7505041099/01/1	7505041099/01/2	7505041099/01/3
Year of Manufacture	2011	2011	2011
CT Ratio	60/1A	60/1A	
PT Ratio	33KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$		
Description	INCOMER-2	OUTGOING FEEDER-1	
Make	AREVA	AREVA	
Type	PIX-36	PIX-36	
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ	
Serial No	7505041099/01/6	7505041099/01/5	
Year of Manufacture	2011	2011	
CT Ratio	60/1A	60/1A	
PT Ratio	33KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$		

MAIN POWER TRANSFORMER 33KV/6.6KV

Description	POWER TRANSFORMER-1	POWER TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	3150KVA	3150KVA
No load Voltage(HV)	33000	33000
No load Voltage(LV)	6900V	6900V
Current Amps(HV)	55.11A	55.11A
Current Amps(LV)	263.57A	263.57A
Oil Quantity	3050 ltrs	3050 ltrs
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	JN16933/1	JN16933/2

OLTC FOR 33KV/6.6KV POWER TRANSFORMER

Description	OLTC-1	OLTC-2
Make	OLG	OLG
Type	ABS 111 200 30 17 17 0	ABS 111 200 30 17 17 0
Oil Quantity	600Ltr's	600Ltr's
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	27773	27774

NEUTRAL GROUND RESISTOR PANEL.

Description	NGR-1	NGR-2
Make	AMP CONTROL EQUIPMENTS	AMP CONTROL EQUIPMENTS
Resistance	80 Ohms	80 Ohms
Voltage	6.6/ $\sqrt{3}$	6.6/ $\sqrt{3}$
Serial No	10602	10603
Year Of Manufacture	2012	2012

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

RTCC PANEL.

Description	RTCC PANEL-1	RTCC PANEL-2
Make	VOLTAMP	VOLTAMP
Rating	3150KVA	3150KVA
Voltage ratio	33000/6900	33000/6900
Serial No	27774	27773
Year of Manufacture	2012	2012

6.6KV,HT INDOOR VCB PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/04/5	7505041099/04/6	7505041099/04/8
Year of Manufacture	2011	2011	2011
CT Ratio	300/1A		300/1A
PT Ratio	6.6KV/√3/110V/√3		6.6KV/√3/110V/√3

6.6KV,480KW MOTOR FEEDER PANEL

Description	MOTOR FEEDER-1	MOTOR FEEDER-2	MOTOR FEEDER-3
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/04/2	7505041099/04/3	7505041099/04/4
Year of Manufacture	2011	2011	2011
CT Ratio	60/1A	60/1A	60/1A

Description	MOTOR FEEDER-4	MOTOR FEEDER-5	MOTOR FEEDER-6
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/04/9	7505041099/04/10	7505041099/04/11
Year of Manufacture	2011	2011	2011
CT Ratio	60/1A	60/1A	60/1A

6.6KV,HT CAPACITOR

Description	HT CAPACITOR-1	HT CAPACITOR-2	HT CAPACITOR-3
Make	EPCOS	EPCOS	EPCOS
KVAR	121KVAR	121KVAR	121KVAR
Fuse Rating	35.5A	35.5A	35.5A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	5.6A	5.6A	5.6A
Serial No	1105/1	1105/2	1105/3

Description	HT CAPACITOR-4	HT CAPACITOR-5	HT CAPACITOR-6
Make	EPCOS	EPCOS	EPCOS
KVAR	121KVAR	121KVAR	121KVAR
Fuse Rating	35.5A	35.5A	35.5A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	5.6A	5.6A	5.6A
Serial No	1105/4	1105/5	1105/6

6.6KV,HT FCMA SOFTSTARTER PANEL

Description	FCMA SOFTSTARTER-1	FCMA SOFTSTARTER-2	FCMA SOFTSTARTER-3
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-480-M-3KA1	NSC1-480-M-3KA1	NSC1-480-M-3KA1
Serial No	J3839/1	J3839/2	J3839/3

Description	FCMA SOFTSTARTER-4	FCMA SOFTSTARTER-5	FCMA SOFTSTARTER-6
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-480-M-3KA1	NSC1-480-M-3KA1	NSC1-480-M-3KA1
Serial No	J3839/4	J3839/5	J3839/6

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

6.6KV,100KVA,HT AUXILLARY TRANSFORMER VCB PANEL

Description	AUX. TRANSFORMER FEEDER-1	AUX. TRANSFORMER FEEDER-2
Make	AREVA	AREVA
Type	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/04/1	7505041099/04/12
Year of Manufacture	2011	2011
CT Ratio	30/1A	30/1A

6.6KV/433V,AUXILLARY TRANSFORMER.

Description	AUX TRANSFORMER-1	AUX TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	100KVA	100KVA
Type of installation	INDOOR	INDOOR
No load Voltage(HV)	6.9KV	6.9KV
No load Voltage(LV)	0.433KV	0.433KV
Current Amps(HV)	8.37A	8.37A
Current Amps(LV)	133.34A	133.34A
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	18871/1	18871/2

415V,LT INDOOR MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Capacitor bank-1		Capacitor bank-2
	Battery Charger-1		Battery Charger-2
	Drain Pump-1		Drain Pump-2
	Pump-1 Valve		Pump-4 Valve
	Pump-2 Valve		Pump-5 Valve
	Pump-3 Valve		Pump-6 Valve
	UPS-1		UPS-2
	ACDB-1		ACDB-2
	Darin Pump-1		EOT Crane
	Service Panel-1		Service Panel-2
	compressor Unit panel-1		compressor Unit panel-2
	Sample Pump-1		

CAPACITOR PANEL

Description	CAPACITOR BANK		
Make	Epcos		
Rating	60KVAR		
Voltage	415V		

415V,LT INDOOR BUILDING SERVICES DISTRIBUTION PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeders-9No's		Outgoing Feeders-7No's

415V,BATTERY CHARGER PANEL

Description	BATTERY CHARGER-1	BATTERY CHARGER-2
Make	STATCON	STATCON
Type	FCBC	FCBC
Rated Voltage	415V	415V
Serial No	12A02302	12A02302A
Year of Manufacture	2012	2012

1.2V,130AH,NI-CD BATTERY

Description	NI-CD BATTERY-87No's
Make	HBL
Type	KBL 130P
Rated Voltage	1.2V/130AH
Year of Manufacture	2011

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

5KVA,UPS

Description	UPS-1	UPS-2
Make	SU-KAM	SU-KAM
Type	SMX-10000XL	SMX-10000XL
KVA	5KVA	5KVA
Input Voltage	230V,AC,50HZ	230V,AC,50HZ
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A
Year of Manufacture	2012	2012

12V,60AH,LEAD ACID BATTERIES

Description	BATTERY-20No's
Make	NANDINI
Model	Tubular
Type	Lead Acid Battery
Volt/AH	12/60AH

DISTRIBUTION PANEL

Description	ACDB-1	ACDB-2
	Output-10No's	Output-10No's

UPS DISTRIBUTION BOARD

Description	UPS DB
	Output-4No's

LCP PUSH BUTTON

Description	LCP PUSH BUTTON
For VT Pumps	6 No's
For Power Transformer	2 No's

RWPS PLC PANEL

Description	PLC PANEL
Make	WINTech
Type	Rockwell Automation

UPS DISTRIBUTION BOARD FOR VIBRATION MONITORING SYSTEM

Description	UPS DB
	Output-6 No's

VIBRATION MONITORING SYSTEM

Description	VT PUMP-1		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-086	VIBFDMI-1309-073	VIBFDMI-1309-094

Description	VT PUMP-2		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-051	VIBFDMI-1309-054	VIBFDMI-1309-109

Description	VT PUMP-3		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-052	VIBFDMI-1309-084	VIBFDMI-1309-057

Description	VT PUMP-4		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-066	VIBFDMI-1309-060	VIBFDMI-1309-048

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

Description	VT PUMP-5		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-088	VIBFDMI-1309-093	VIBFDMI-1309-095

Description	VT PUMP-6		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-055	VIBFDMI-1309-087	VIBFDMI-1309-096

TEMPERATURE SCANNER

Description	VT PUMP-1	VT PUMP-2	VT PUMP-3
	TEMPERATURE SCANNER-1	TEMPERATURE SCANNER-2	TEMPERATURE SCANNER-3
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	120822860	140328637	140328636

Description	VT PUMP-4	VT PUMP-5	VT PUMP-6
	TEMPERATURE SCANNER-4	TEMPERATURE SCANNER-5	TEMPERATURE SCANNER-6
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	161135792	120722572	120822864

415V,ACTUATOR VALVE

Description	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-2	VT PUMP ACTUATOR-3
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-102-01	BFV-102-02	BFV-102-03

Description	VT PUMP ACTUATOR-4	VT PUMP ACTUATOR-5	VT PUMP ACTUATOR-6
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-102-04	BFV-102-05	BFV-102-06

LEVEL TRANSMITTER

Description	INLET SUMP-1	INLET SUMP-1
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-102-01	LIT-102-01S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

Description	INLET SUMP-2	INLET SUMP-2
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-102-02	LIT-102-02S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

Description	INLET SUMP-3	INLET SUMP-3
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-102-03	LIT-102-03S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

LEVEL SWITCH

	INLET SUMP-1	INLET SUMP-2	INLET SUMP-3
Description	LEVEL SWITCH-1	LEVEL SWITCH-1	LEVEL SWITCH-1
Make	TECHTROL	TECHTROL	TECHTROL
Model No	CNS-JN-1USP2	CNS-JN-1USP2	CNS-JN-1USP2
Type	TLC-N	TLC-N	TLC-N

FLOW METER

Description	FLOW TRANSMITTER
Make	KROHNE MARSHALL
Type	IFC21
Model No	AQUAFLUX
Serial No	I121127
Size	DN1200

PRESSURE TRANSMITTER

Description	PRESSURE TRANSMITTER
Make	SIEMENS
Type	SITRANS P
Model No	7MF4033-1BA10-2AC6-Z
Tag No	PT-107-01

DEWATERING PUMP STARTER PANEL

	INLET SUMP	INLET SUMP
Description	DEWATERING PUMP STARTER	DEWATERING PUMP STARTER
Make	BEAM ENGINEERS	BEAM ENGINEERS
Pump Model No	KDS 4MS 100	KDS 4MS 100
Type	SUBMERSIBLE PUMP	SUBMERSIBLE PUMP
Starter	DOL	DOL
HP	5HP	5HP

415V,LT SURGE COMPRESSOR PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	10HP,Compressor motor-1		10HP,Compressor motor-1

AIR DRYER PANEL

Description	AIR DRYER
Make	ELGI
Model No	ELRD-085
Serial No	6139-06-/12

SURGE VESSEL CONTROL PANEL

Description	CONTROL PANEL
Make	SHRIDHAN INTERNATIONAL
Model No	SIPL-PRJ-CG-M-4020
Year of Manufacture	2011

VENTILATION FAN - 9 No's

Description	VENTILATION FAN
	Pump House 3HP-3No'S
	Pump House 0.5HP-2No'S
	LT Panel Room 1HP-1No'S
	HT Panel Room 1HP-1No'S
	Aux.Trans Room 0.5HP-2No'S

EXTERNAL LIGHTING DISTRIBUTION BOARD

Description	ELDB-1
	Output-4No's

INTERNAL LIGHTING DISTRIBUTION BOARD

Description	ILDB-1
	Output-4No's

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

SMALL POWER DISTRIBUTION BOARD

Description	SPDB-1
	Output-3No's

10W,EMERGENCY LIGHT - 4 No's

Description	EMERGENCY LIGHT
	HT Panel-1No
	LT Panel-1No
	Pump house-2No's

2X28W FLUORESCENT LAMP FITTING - 28 No's

Description	2X28W FITTING
	LT Panel -8No's
	HT Panel-12No's
	Battery room-2No's
	Aux.Transformer-4No's
	Compressor Room-2No's

2X36W CFL LAMP FITTING - 4 No's

Description	2X36W FITTING
	PLC Panel -2No's
	Office room-2No's

250W,METAL HALIDE LAMP FITTING - 6 No's

Description	MH LAMP FITTINGS
	Pump house indoor-6No's

250W,HPSV LAMP FITTING - 9 No's

Description	HPSV LAMP FITTINGS
	Pump house outdoor-9No's

150W,HPSV LAMP FITTING - 11 No's

Description	HPSV LAMP FITTINGS
	Pump house outdoor-11No's

1.50 TON AC - 2 No's

Description	1.50 TON AC
	Opearator Room-1No
	PLC Room-1No

WALL MOUNTED FAN

Description	Wall Mounted Fan
Make	Usha
	Opearator Room-1No

FIRE ALARM PANEL

Description	FIRE ALARM
	Main Panel-1No
	Hooter-4No's
	Smoke detector-28No's

INTERCOM PANEL

Description	INTERCOM
	Power Ethernet Switch -1No
	IP Phones-4No's

CCTV SYSTEM

Description	CCTV
	Camera-3No's
	Video recorder-1No
	Monitor-1No
	Joystick-1No

LIST OF EQUIPMENT
RAW WATER PUMPING STATION

STAFF QUARTERS

Description	A Quarters	B - 1 Quarters	B - 2 Quarters
Ceiling Fan	4 No's	3 No's	3 No's
Tube Light	5 No's	4 No's	4 No's
CFL	5 No's	4 No's	4 No's
Water Heater	3 No's	1 No	1 No

SECURITY CABIN

Description	SECURITY CABIN
Ceiling Fan	1 No
Tube Light	1 No
CFL	1 No

LIST OF EQUIPMENT
TREATED WATER PUMPING STATION

Pump Details

Description	Pump No:1	Pump No:2	Pump No:3	Pump No:4	Pump No:5	Pump No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl.No	29601	29602	29603	29604	29605	29606
Type	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine
Model	600 T (3 STAGE)	600 T (3 STAGE)	600 T (3 STAGE)	600 T (3 STAGE)	600 T (3 STAGE)	600 T (3 STAGE)
Pump Duty (Lpmx head)	28783Lpm × 145 m	28783Lpm × 145 m	28783Lpm × 145 m	28783Lpm × 145 m	28783Lpm × 145 m	28783Lpm × 145 m
Bowl Head (Total head)	145.31m	145.31m	145.31m	145.31m	145.31m	145.31m
Bowl Efficiency	84.50%	84.50%	84.50%	84.50%	84.50%	84.50%
Bowl Input	808.77 Kw	808.77 Kw	808.77 Kw	808.77 Kw	808.77 Kw	808.77 Kw
Pump Input	810.27 Kw	810.27 Kw	810.27 Kw	810.27 Kw	810.27 Kw	810.27 Kw
Pump Efficiency	84.16%	84.16%	84.16%	84.16%	84.16%	84.16%
Rating	640Kw	640Kw	640Kw	640Kw	640Kw	640Kw
Date Of Supply	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12
Date Of Erection	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12
Date of Commissioning	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12
Rpm	1450	1450	1450	1450	1450	1450

Motor Details

Description	Motor No:1	Motor No:2	Motor No:3	Motor No:4	Motor No:5	Motor No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl. No	N 134841	N 134838	N 134824	N 134823	N 134840	N 134839
Type	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor
Capacity	930KW/1248 HP	930KW/1248 HP	930KW/1248 HP	930KW/1248 HP	930KW/1248 HP	930KW/1248 HP
Discharge	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)
Bush Button	1 No	1 No	1 No	1 No	1 No	1 No
Vibration Sensors	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos
Temperature Sensors	6 Nos					

Butter fly valve Details - Individual pump discharge

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales

LIST OF EQUIPMENT
TREATED WATER PUMPING STATION

Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-25	PN-25	PN-25	PN-25	PN-25	PN-25

Butter fly valve Gear box Details

Description	Butter Fly Valve Gear Box No:1	Butter Fly Valve Gear Box No:2	Butter Fly Valve Gear Box No:3	Butter Fly Valve Gear Box No:4	Butter Fly Valve Gear Box No:5	Butter Fly Valve Gear Box No:6
Make	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission
Size	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE
Ratio	292/1	292/1	292/1	292/1	292/1	292/1
Type	QT	QT	QT	QT	QT	QT

Dismantling joint Details

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	600MM	600MM	600MM	600MM	600MM	600MM

Dual Plate Check Valve (NRV) Details

Description	Dual plate check Valve No:1	Dual plate check Valve No:2	Dual plate check Valve No:3	Dual plate check Valve No:4	Dual plate check Valve No:5	Dual plate check Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-25	PN-25	PN-25	PN-25	PN-25	PN-25
Type	DF	DF	DF	DF	DF	DF

Tamperproof Air valve Details- For individual pump

Description	Air Valve No:1	Air Valve No:2	Air Valve No:3	Air Valve No:4	Air Valve No:5	Air Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM
PN Rating	PN-25	PN-25	PN-25	PN-25	PN-25	PN-25

Gate valve Details

Description	Gate Valve No:1	Gate Valve No:2	Gate Valve No:3	Gate Valve No:4	Gate Valve No:5	Gate Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM

Cast Iron Sluice gate Details - Penstock Gates for Pumphouse

Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3	Sluice gate No:4
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM

LIST OF EQUIPMENT
TREATED WATER PUMPING STATION

Cast Iron Sluice gate Details - Penstock Gates for Treated Water Sump

Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1700W x 1700H MM	1700W x 1700H MM	1700W x 1700H MM

Cast Iron Sluice gate Details - Penstock Gates for Treated Water Sump Inlet

Description	Sluice gate No:1	Sluice gate No:2
Make	JASH ENGINEERING	JASH ENGINEERING
Size	1700W x 1700H MM	1700W x 1700H MM

Surge System Air Compressor Details

Description	Compressor Motor No:1	Compressor Motor No:2	Compressor No : 01	Compressor No : 02
Make	ELGI Equipments Ltd		ELGI Equipments Ltd	
Manufacture Model Number	Frame:Y2-132M-4		HP 10300	
Motor/Compressor Rating	7.5 KW / 15 HP		30 Kgf /Cm ²	
Voltage Rating in Volts	415 ± 10%		NA	
Lubrication Grade	AP3		ELGI Compressor Oil	

Surge vessel Details

Description	Surge Vessel No:01		Surge Vessel No:02	
Design Code	IS 2825-1969	Capacity:38Cub mtr	IS 2825-1969	Capacity:38Cub mtr
Operating Pressure	16.5Kg/Sq.cm	Radiography:10%	9.5Kg/Sq.cm	Radiography:10%
Design pressure	25Kg/Sq.cm	Corrosion allow:2mm	14Kg/Sq.cm	Corrosion allow:2mm
Hydro Test Pressure	33Kg/Sq.cm		19Kg/Sq.cm	
Vessel Size	2.0m Dia X 5.1mtr Length		2.6m Dia X 7.94mtr Length	
Operating Fluid	Air+ Water		Air+ Water	
Total Weight (Empty)	7530Kg		11000Kg	
	Butter Fly Valve No:1		Butter Fly Valve No:2	
Make	Tyco Valves		Make	Tyco Valves
Dia	700MM		Dia	700MM
PN Rating	PN-25		PN Rating	PN-25
	Dismantling Joints No:1		Dismantling Joints No:2	
Dia	700MM		Dia	700MM
	Drain Valve Anti Hammer No:1		Drain Valve Anti Hammer No:2	
Make	Tyco Valves		Make	Tyco Valves
Dia	150MM		Dia	150MM
PN Rating	PN-16		PN Rating	PN-16

LIST OF EQUIPMENT
TREATED WATER PUMPING STATION

Dewatering Pump Details				
	Dewatering Pump No: 01		Dewatering Pump No: 02	
	Make	Kishore	Make	Kishore
	Capacity	5.00 Hp	Capacity	5.00 Hp

E.O.T Crane Details		
Make	S.L.Engineering	
Capacity	8.5 Ton	

Raising Main valve Details	
Dual plate check valve (NRV) for Delivery main discharge	

Description	NRV No:1
Make	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	1200MM
PN Rating	PN-25

Dismantling joints for Delivery main discharge

Description	Dismantling joint No:1
Dia	1200MM
PN Rating	PN-25

Butter fly valve for Delivery main & Bypass flow meter

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	1200MM	1200MM	1200MM
PN Rating	PN-25	PN-25	PN-25

Dismantling Joints for Delivery main & Bypass flow meter

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	1200MM	1200MM	1200MM
PN Rating	PN-25	PN-25	PN-25

LIST OF EQUIPMENT
TREATED WATER PUMPING STATION

Dismantling Joint for Flowmeter line	
Description	Dismantling joint No:1
Dia	1200MM
PN Rating	PN-16

Butter fly valve for Raising main line	
Description	Butter Fly Valve No:1
Make	Tyco valves
Dia	1500MM
PN Rating	PN-25

Dismantling Joint for Raising main line	
Description	Dismantling joint No:1
Dia	1500MM
PN Rating	PN-25

Location of 200mm dia Air Valve:-				
Sl.No	Description	Location		Pipe Invert Level
1	Air Valve No.1	Ls: 461 m		
2	Air Valve No.2	Ls: 640 m		
3	Air Valve No.3	Ls: 982 m		
4	Air Valve No.4	Ls: 1151 m		
Location of 300mm dia Scour Valve:-				
Sl.No	Description	Location		Pipe Invert Level
1	Scour Valve No.1	Ls: 90 m		

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

33KV OUTDOOR DP STRUCTURE

Description	INCOMER SUPPLY- 1(U/G)	INCOMER SUPPLY-2(O/H)
AB Switch	33KV,1250A, AB Switch-1set	33KV,1250A, AB Switch-1set
HG Fuse	33KV,750A,HG Fuse-1Set	33KV,750A,HG Fuse-1Set
Lighting Aresstor	33KV, Lighting aresstor-1Set	33KV, Lighting aresstor-1Set
Year of Erection		

33KV,HT OUTDOOR VCB PANEL

Description	OUTDOOR VCB- 1 (U/G)	OUTDOOR VCB- 2 (O/H)
Make	MEGAWIN	MEGAWIN
Type	MHVCB	MHVCB
Rated Voltage	36KV/630A, 50HZ	36KV/630A, 50HZ
Serial No	120993/10216	120990/10216
Year of Manufacture	2012	2012

33KV,HT INDOOR VCB PANEL

Description	INCOMER-1	OUTGOING FEEDER-1	BUSCOUPLER
Make	AREVA	AREVA	AREVA
Type	PIX-36	PIX-36	PIX-36
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ	33KV/630A, 50HZ
Serial No	7505041099/02/1	7505041099/02/2	7505041099/02/3
Year of Manufacture	2011	2011	2011
CT Ratio	125/1A	125/1A	
PT Ratio	33KV/√3/110V/√3		
Description	INCOMER-2	OUTGOING FEEDER-1	
Make	AREVA	AREVA	
Type	PIX-36	PIX-36	
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ	
Serial No	7505041099/02/6	7505041099/02/5	
Year of Manufacture	2011	2011	
CT Ratio	125/1A	125/1A	
PT Ratio	33KV/√3/110V/√3		

MAIN POWER TRANSFORMER 33KV/6.6KV

Description	POWER TRANSFORMER-1	POWER TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	6300KVA	4000KVA
No load Voltage(HV)	33000	33000
No load Voltage(LV)	6900V	6900V
Current Amps(HV)	110.22A	110.22A
Current Amps(LV)	527.15A	527.15A
Oil Quantity	4490 ltrs	4490 ltrs
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	JN21799/1	JN21799/2

OLTC FOR 33KV/6.6KV POWER TRANSFORMER

Description	OLTC-1	OLTC-2
Make	CTR	CTR
Rating	6300KVA	6300KVA
Rated Current	300A	300A
Rated step voltage	412.5V	412.5V
Oil Quantity	700	700
Year Of Manufacture	2011	2011
Serial No	1020918	1120925

NEUTRAL GROUND RESISTOR PANEL.

Description	NGR-1	NGR-2
Make	AMP CONTROL EQUIPMENTS	AMP CONTROL EQUIPMENTS
Resistance	40 Ohms	40 Ohms
Voltage	6.6/√3	6.6/√3
Serial No	10604	10605
Year Of Manufacture	2012	2012

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

6.6KV,RTCC PANEL.

Description	RTCC PANEL-1	RTCC PANEL-2
Make	VOLTAMP	VOLTAMP
Rating	6300KVA	6300KVA
Voltage ratio	33000/6900	33000/6900
Serial No	1020918	1120925
Year of Manufacture	2012	2012

6.6KV,HT INDOOR VCB PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/05/6	7505041099/05/7	7505041099/05/9
Year of Manufacture	2011	2011	2011
CT Ratio	600/1A		600/1A
PT Ratio	6.6KV/√3/110V/√3		6.6KV/√3/110V/√3

6.6KV,930KW MOTOR FEEDER PANEL

Description	MOTOR FEEDER-1	MOTOR FEEDER-2	MOTOR FEEDER-3
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/05/3	7505041099/05/4	7505041099/05/5
Year of Manufacture	2011	2011	2011
CT Ratio	125/1A	125/1A	125/1A

Description	MOTOR FEEDER-4	MOTOR FEEDER-5	MOTOR FEEDER-6
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/05/10	7505041099/05/11	7505041099/05/12
Year of Manufacture	2011	2011	2011
CT Ratio	125/1A	125/1A	125/1A

6.6KV,HT CAPACITOR

Description	HT CAPACITOR-1	HT CAPACITOR-2	HT CAPACITOR-3
Make	EPCOS	EPCOS	EPCOS
KVAR	242KVAR	242KVAR	242KVAR
Fuse Rating	56A	56A	56A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	19.2A	19.2A	19.2A
Serial No	1107/1	1107/2	1107/3

Description	HT CAPACITOR-4	HT CAPACITOR-5	HT CAPACITOR-6
Make	EPCOS	EPCOS	EPCOS
KVAR	242KVAR	242KVAR	242KVAR
Fuse Rating	56A	56A	56A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	19.2A	19.2A	19.2A
Serial No	1107/4	1107/5	1107/6

6.6KV,HT FCMA SOFTSTARTER PANEL

Description	FCMA SOFTSTARTER-1	FCMA SOFTSTARTER-2	FCMA SOFTSTARTER-3
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-930-M-3KA1	NSC1-930-M-3KA1	NSC1-930-M-3KA1
Serial No	J3839/13	J3839/14	J3839/15

Description	FCMA SOFTSTARTER-4	FCMA SOFTSTARTER-5	FCMA SOFTSTARTER-6
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-930-M-3KA1	NSC1-930-M-3KA1	NSC1-930-M-3KA1
Serial No	J3839/16	J3839/17	J3839/18

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

6.6KV,160KVA,HT AUXILLARY TRANSFORMER VCB PANEL

Description	AUX. TRANSFORMER FEEDER-1	AUX. TRANSFORMER FEEDER-2	
Make	AREVA	AREVA	
Type	PIX-MV	PIX-MV	
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	
Serial No	7505041099/05/2	7505041099/05/13	
Year of Manufacture	2011	2011	
CT Ratio	50/1A	50/1A	

6.6KV/433V,AUXILLARY TRANSFORMER.

Description	AUX TRANSFORMER-1	AUX TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	160KVA	160KVA
Type of installation	INDOOR	INDOOR
No load Voltage(HV)	6.9KV	6.9KV
No load Voltage(LV)	0.433KV	0.433KV
Current Amps(HV)	13.39A	13.39A
Current Amps(LV)	213.34A	213.34A
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	18870/1	18870/2

415V,LT INDOOR MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Capacitor bank-1		Capacitor bank-2
	Battery Charger-1		Battery Charger-2
	Drain Pump-1		Drain Pump-2
	Pump-1 Valve		Pump-4 Valve
	Pump-2 Valve		Pump-5 Valve
	Pump-3 Valve		Pump-6 Valve
	UPS-1		UPS-2
	ACDB-1		ACDB-2
	Darin Pump-1		EOT Crane
	Service Panel-1		Service Panel-2
	compressor Unit panel-1		compressor Unit panel-2
	Sample Pump-1		

CAPACITOR PANEL

Description	CAPACITOR BANK		
Make	Epcos		
Rating	150KVAR		
Voltage	415V		

415V,LT INDOOR BUILDING SERVICES DISTRIBUTION PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeders-9No's		Outgoing Feeders-7No's

BATTERY CHARGER PANEL

Description	BATTERY CHARGER-1	BATTERY CHARGER-2	
Make	STATCON	STATCON	
Type	FCBC	FCBC	
Rated Voltage	415V,3Ph,50HZ	415V,3Ph,50HZ	
Amps	70A	70A	
Serial No	12A02303	12A02303A	
Year of Manufacture	2012	2012	

1.2V,235AH,NI-CD BATTERY

Description	NI-CD BATTERY-87No's		
Make	HBL		
Type	KBL 235P		
Rated Voltage	1.2V/235AH		
Year of Manufacture	2011		

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

5KVA,UPS

Description	UPS-1	UPS-2	
Make	SU-KAM	SU-KAM	
Type	SMX-10000XL	SMX-10000XL	
KVA	5KVA	5KVA	
Input Voltage	230V,AC,50HZ	230V,AC,50HZ	
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A	
Year of Manufacture	2012	2012	

12V,120AH,LEAD ACID BATTERIES

Description	BATTERY-20No's		
Make	ROCKET		
Model	ESC-120-12		
Type	Lead Acid Battery		
Volt/AH	12/120AH		

TWPS DISTRIBUTION BOARD

Description	ACDB-1	ACDB-2	
	Output-10No's	Output-10No's	

UPS DISTRIBUTION BOARD

Description	UPS DB		
	Output-4No's		

LCP PUSH BUTTON

Description	LCP PUSH BUTTON
For VT Pumps	6 No's

TWPS PLC PANEL

Description	PLC PANEL		
Make	WINTECH		
Type	Rockwell Automation		

UPS DISTRIBUTION BOARD FOR VIBRATION MONITORING SYSTEM

Description	UPS DB
	Output-6 No's

VIBRATION MONITORING SYSTEM

Description	VT PUMP-1		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-074	VIBFDMI-1309-067	VIBFDMI-1309-078

Description	VT PUMP-2		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-080	VIBFDMI-1309-083	VIBFDMI-1309-062

Description	VT PUMP-3		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-059	VIBFDMI-1309-092	VIBFDMI-1309-058

Description	VT PUMP-4		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-056	VIBFDMI-1309-075	VIBFDMI-1309-082

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

Description	VT PUMP-5		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-85	VIBFDMI-1309-61	VIBFDMI-1309-069

Description	VT PUMP-6		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-065	VIBFDMI-1309-058	VIBFDMI-1309-

TEMPERATURE SCANNER

Description	VT PUMP-1	VT PUMP-2	VT PUMP-3
	TEMPERATURE SCANNER-1	TEMPERATURE SCANNER-2	TEMPERATURE SCANNER-3
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	120822843	120822855	161135791

Description	VT PUMP-4	VT PUMP-5	VT PUMP-6
	TEMPERATURE SCANNER-4	TEMPERATURE SCANNER-5	TEMPERATURE SCANNER-6
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	120822849	150330776	120722549

415V,ACTUATOR VALVE

Description	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-2	VT PUMP ACTUATOR-3
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-207-01	BFV-207-02	BFV-207-03

Description	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-1
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-207-04	BFV-207-05	BFV-207-06

LEVEL TRANSMITTER

Description	INLET SUMP-1	INLET SUMP-1	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-207-01	LIT-207-01S	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	

Description	INLET SUMP-2	INLET SUMP-2	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-207-02	LIT-207-02S	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	

Description	INLET SUMP-3	INLET SUMP-3	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-207-03	LIT-207-03S	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

	RESERVOIR - 1	RESERVOIR - 2	
Description	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-206-01	LIT-206-02	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	

LEVEL SWITCH

	INLET SUMP-1	INLET SUMP-2	INLET SUMP-3
Description	LEVEL SWITCH-1	LEVEL SWITCH-1	LEVEL SWITCH-1
Make	TECHTROL	TECHTROL	TECHTROL
Model No	CNS-JN-1USP2	CNS-JN-1USP2	CNS-JN-1USP2
Type	TLC-N	TLC-N	TLC-N

TREATED WATER OUTLET FLOW METER

Description	FLOW TRANSMITTER		
Make	KROHNE MARSHALL		
Type	IFC100W		
Serial No	I16404743-C		
Size	DN1200		

PRESSURE TRANSMITTER

Description	PRESSURE TRANSMITTER		
Make	SIEMENS		
Type	SITRANS P		
Model No	7MF4033-1BA10-2AC6-Z		
Tag No	PT-207-01		

DEWATERING PUMP STARTER PANEL

	INLET SUMP-1	INLET SUMP-2	
Description	DEWATERING PUMP STARTER	DEWATERING PUMP STARTER	
Make	BEAM ENGINEERS	BEAM ENGINEERS	
Pump Model No	KDS 4MS 100	KDS 4MS 100	
Type	SUBMERSIBLE PUMP	SUBMERSIBLE PUMP	
Starter	DOL	DOL	
HP	5HP	5HP	

415V,LT SURGE COMPRESSOR PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	10HP,Compressor motor-1		10HP,Compressor motor-1

AIR DRYER PANEL

Description	AIR DRYER		
Make	ELGI		
Type	REFRIGERATED AIR DRYER		
Model No	ELHD-0-0		
Serial No	5724-05-/12		

SURGE VESSEL CONTROL PANEL

Description	CONTROL PANEL		
Make	SHRIDHAN INTERNATIONAL		
Model No	SIPL-PRJ-CG-M-4020		
Year of Manufacture	2011		

VENTILATION FAN - 9 No's

Description	VENTILATION FAN		
	Pump House 3HP-4No'S		
	LT Panel Room 1HP-1No		
	HT Panel Room 1HP-1No		
	Aux.Trans Room 0.5HP-2No'S		
	Battery Room-1No		

**LIST OF EQUIPMENT
TREATED WATER PUMPING STATION**

EXTERNAL LIGHTING DISTRIBUTION BOARD			
Description	ELDB-1		
	Output-4		
INTERNAL LIGHTING DISTRIBUTION BOARD			
Description	ILDB-1		
	Output-4		
SMALL POWER DISTRIBUTION BOARD			
Description	SPDB-1		
	Output-3		
10W,EMERGENCY LIGHT - 4 No's			
Description	EMERGENCY LIGHT		
	HT Panel-1No		
	LT Panel-1No		
	Pump house-2No		
2X28W FLUORESCENT LAMP FITTING - 28 No's			
Description	2X28W FITTING		
	LT Panel -8No's		
	HT Panel-12No's		
	Battery room-2No's		
	Aux.Transformer-4No's		
	Compressor Room-2No's		
2X36W CFL LAMP FITTING - 5 No's			
Description	2X36W FITTING		
	PLC Panel -2No's		
	Office room-3No's		
250W,METAL HALIDE LAMP FITTING - 6 No's			
Description	MH LAMP FITTINGS		
	Pump house indoor-6No's		
250W,HPSV LAMP FITTING - 6 No's			
Description	HPSV LAMP FITTINGS		
	Pump house outdoor-6No's		
1.50 TON AC			
Description	1.50 TON AC		
	PLC Room-1No		
WALL MOUNTED FAN			
Description	Wall Mounted Fan		
Make	Usha		
	Opearator Room-1No		
FIRE ALARM PANEL			
Description	FIRE ALARM		
	Main Panel-1No		
	Hooter-4No's		
	Smoke detector-28No's		

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

Pump Details

Description	Pump No:1	Pump No:2	Pump No:3	Pump No:4	Pump No:5	Pump No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl.No	29600	29595	29596	29597	29598	29599
Type	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine
Model	600 T (2 STAGE)	600 T (2 STAGE)	600 T (2 STAGE)	600 T (2 STAGE)	600 T (2 STAGE)	600 T (2 STAGE)
Pump Duty (Lpmx head)	29783Lpm × 100.50m	29783Lpm × 100.50m	29783Lpm × 100.50m	29783Lpm × 100.50m	29783Lpm × 100.50m	29783Lpm × 100.50m
Bowl Head (Total head)	100.83m	100.83m	100.83m	100.83m	100.83m	100.83m
Bowl Efficiency	84.50%	84.50%	84.50%	84.50%	84.50%	84.50%
Bowl Input	561.20 Kw	561.20 Kw	561.20 Kw	561.20 Kw	561.20 Kw	561.20 Kw
Pump Input	562.45 Kw	562.45 Kw	562.45 Kw	562.45 Kw	562.45 Kw	562.45 Kw
Pump Efficiency	84.04%	84.04%	84.04%	84.04%	84.04%	84.04%
Rating	640Kw	640Kw	640Kw	640Kw	640Kw	640Kw
Date Of Supply	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12
Date Of Erection	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12
Date of Commissioning	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12
Rpm	1450	1450	1450	1450	1450	1450

Motor Details

Description	Motor No:1	Motor No:2	Motor No:3	Motor No:4	Motor No:5	Motor No:6
Make	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India	M/s. Joyti Ltd, Vadodara, Gujarat, India
Sl. No	N 134821	N 134822	N 134718	N 134737	N 134836	N 134719
Type	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor	Squirrel cage Induction Motor
Capacity	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$
Discharge	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)	1747m ³ /hr (29113 Lpm)
Bush Button	1 No	1 No	1 No	1 No	1 No	1 No
Vibration Sensors	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos	1×3 Nos
Temperature Sensors	6 Nos					

Butter fly valve Details - Individual pump discharge

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales	Tyco Vales
Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

Butter fly valve Gear box Details						
Description	Butter Fly Valve Gear Box No:1	Butter Fly Valve Gear Box No:2	Butter Fly Valve Gear Box No:3	Butter Fly Valve Gear Box No:4	Butter Fly Valve Gear Box No:5	Butter Fly Valve Gear Box No:6
Make	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission	Ameya Transmission
Size	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE	AT 70/3/SIE
Ratio	292/1	292/1	292/1	292/1	292/1	292/1
Type	QT	QT	QT	QT	QT	QT
Dismantling joint Details						
Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	600MM	600MM	600MM	600MM	600MM	600MM
Dual Plate Check Valve (NRV) Details						
Description	Dual plate check Valve No:1	Dual plate check Valve No:2	Dual plate check Valve No:3	Dual plate check Valve No:4	Dual plate check Valve No:5	Dual plate check Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	600MM	600MM	600MM	600MM	600MM	600MM
PN Rating	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16
Type	DF	DF	DF	DF	DF	DF
Tamperproof Air valve Details- For individual pump						
Description	Air Valve No:1	Air Valve No:2	Air Valve No:3	Air Valve No:4	Air Valve No:5	Air Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM
PN Rating	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16
Gate valve Details						
Description	Gate Valve No:1	Gate Valve No:2	Gate Valve No:3	Gate Valve No:4	Gate Valve No:5	Gate Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM	200MM	200MM	200MM
Cast Iron Sluice gate Details - Penstock Gates for Pumphoose						
Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3	Sluice gate No:4		
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING		
Size	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM	1500W x 1500H MM		
Cast Iron Sluice gate Details - Penstock Gates for Storage tank						
Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3			
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING			
Size	1700W x 1700H MM	1700W x 1700H MM	1700W x 1700H MM			

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

Surge System Air Compressor Details

Description	Compressor Motor No:1	Compressor Motor No:2	Compressor No : 01	Compressor No : 02
Make	ELGI Equipments Ltd		ELGI Equipments Ltd	
Manufacture Model Number	Frame:Y2-160M-4		HP 15300	
Motor/Compressor Rating	11 KW / 15 HP		12 Kgf /Cm ²	
Voltage Rating in Volts	415 ± 10%		NA	
Lubrication Grade	AP3		ELGI Compressor Oil	

Surge vessel Details

Description	Surge Vessel No:01		Surge Vessel No:02		Surge Vessel No:03	
Design Code	IS 2825-1969	Capacity:38Cub mtr	IS 2825-1969	Capacity:38Cub mtr	IS 2825-1969	Capacity:38Cub mtr
Operating Pressure	9.5Kg/Sq.cm	Radiography:10%	9.5Kg/Sq.cm	Radiography:10%	9.5Kg/Sq.cm	Radiography:10%
Design pressure	14Kg/Sq.cm	Corrosion allow:2mm	14Kg/Sq.cm	Corrosion allow:2mm	14Kg/Sq.cm	Corrosion allow:2mm
Hydro Test Pressure	19Kg/Sq.cm		19Kg/Sq.cm		19Kg/Sq.cm	
Vessel Size	2.6m Dia X 7.94mtr Length		2.6m Dia X 7.94mtr Length		2.6m Dia X 7.94mtr Length	
Operating Fluid	Air+ Water		Air+ Water		Air+ Water	
Total Weight (Empty)	11000Kg		11000Kg		11000Kg	
	Butter Fly Valve No:1		Butter Fly Valve No:2		Butter Fly Valve No:3	
	Make	Tyco Valves	Make	Tyco Valves	Make	Tyco Valves
	Dia	500MM	Dia	500MM	Dia	500MM
	PN Rating	PN-16	PN Rating	PN-16	PN Rating	PN-16
	Dismantling Joints No:1		Dismantling Joints No:2		Dismantling Joints No:3	
	Dia	500MM	Dia	500MM	Dia	500MM
	Drain Valve Anti Hammer No:1		Drain Valve Anti Hammer No:2		Drain Valve Anti Hammer No:3	
	Make	Tyco Valves	Make	Tyco Valves	Make	Tyco Valves
	Dia	150MM	Dia	150MM	Dia	150MM
	PN Rating	PN-16	PN Rating	PN-16	PN Rating	PN-16

Dewatering Pump Details

	Dewatering Pump No: 01		Dewatering Pump No: 02	
	Make	Kishore	Make	Kishore
	Capacity	5.00 Hp	Capacity	5.00 Hp

E.O.T Crane Details

Make	S.L.Engineering
Capacity	8.5 Ton

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

Raising Main valve Details

Butter fly valve for Sump main inlet

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	1500MM	1500MM
PN Rating	PN-16	PN-16

Dismantling Joint for Sump main inlet

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	1500MM	1500MM
PN Rating	PN-16	PN-16

Dual plate check valve (NRV) for Delivery main discharge

Description	NRV No:1
Make	(Metal Cast) Pvt. Ltd
Dia	1200MM
PN Rating	PN-16

Dismantling Joint for Delivery main discharge

Description	Dismantling joint No:1
Dia	1200MM
PN Rating	PN-16

Butter fly valve for Delivery main & Bypass flow meter

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	1200MM	1200MM	1200MM
PN Rating	PN-16	PN-16	PN-16

Dismantling Joint for Delivery main & Bypass flow meter

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	1200MM	1200MM	1200MM
PN Rating	PN-16	PN-16	PN-16

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

Dismantling Joint for Flowmeter line

Description	Dismantling joint No:1
Dia	1200MM
PN Rating	PN-16

Butter fly valve for Raising main line

Description	Butter Fly Valve No:1
Make	Tyco valves
Dia	1500MM
PN Rating	PN-16

Dismantling for Isolating Raising main line

Description	Dismantling joint No:1
Dia	1500MM
PN Rating	PN-16

Location of 200mm dia Air Valve:-				
Sl.No	Description	Location		Pipe Invert Level
1	Air Valve No.1	Ls: 402 m		
2	Air Valve No.2	Ls: 896 m		
3	Air Valve No.3	Ls: 1342 m		
4	Air Valve No.4	Ls: 2192 m		
5	Air Valve No.5	Ls: 2962 m		
6	Air Valve No.6	Ls: 3324 m		
Location of 300mm dia Scour Valve:-				
Sl.No	Description	Location		Pipe Invert Level
1	Scour Valve No.1	Ls: 690 m		250.01

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

33KV OUTDOOR DP STRUCTURE

Description	INCOMER SUPPLY- 1(O/H)	INCOMER SUPPLY-2(U/G)
AB Switch	33KV,1250A, AB Switch-1set	33KV,1250A, AB Switch-1set
HG Fuse	33KV,750A,HG Fuse-1Set	33KV,750A,HG Fuse-1Set
Lighting Aresstor	33KV, Lighting aresstor-1Set	33KV, Lighting aresstor-1Set

33KV,HT OUTDOOR VCB PANEL

Description	OUTDOOR VCB- 1 (O/H)	OUTDOOR VCB- 2 (U/G)
Make	MEGAWIN	MEGAWIN
Type	MHVCB	MHVCB
Rated Voltage	36KV/630A, 50HZ	36KV/630A, 50HZ
Serial No	120995/10216	120994/10216
Year of Manufacture	2012	2012

33KV,HT INDOOR VCB PANEL

Description	INCOMER-1	OUTGOING FEEDER-1	BUSCOUPLER
Make	AREVA	AREVA	AREVA
Type	PIX-36	PIX-36	PIX-36
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ	33KV/630A, 50HZ
Serial No	7505041099/03/1	7505041099/03/2	7505041099/03/3
Year of Manufacture	2011	2011	2011
CT Ratio	75/1A	75/1A	
PT Ratio	33KV/√3/110V/√3		

Description	INCOMER-2	OUTGOING FEEDER-1
Make	AREVA	AREVA
Type	PIX-36	PIX-36
Rated Voltage	33KV/630A, 50HZ	33KV/630A, 50HZ
Serial No	7505041099/03/6	7505041099/03/5
Year of Manufacture	2011	2011
CT Ratio	75/1A	75/1A
PT Ratio	33KV/√3/110V/√3	

MAIN POWER TRANSFORMER 33KV/6.6KV

Description	POWER TRANSFORMER-1	POWER TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	4000KVA	4000KVA
No load Voltage(HV)	33000	33000
No load Voltage(LV)	6900V	6900V
Current Amps(HV)	69.98A	69.98A
Current Amps(LV)	334.69A	334.69A
Oil Quantity	3050 ltrs	3050 ltrs
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	JN16934/2	JN16934/1

OLTC FOR 33KV/6.6KV POWER TRANSFORMER

Description	OLTC-1	OLTC-2
Make	OLG	OLG
Rating	4000KVA	4000KVA
Rated Current	200A	200A
Rated step voltage	412.5V	412.5V
Oil Quantity	600	600
Year Of Manufacture	2011	2011
Serial No	27776	27775

NEUTRAL GROUND RESISTOR PANEL.

Description	NGR-1	NGR-2
Make	AMP CONTROL EQUIPMENTS	AMP CONTROL EQUIPMENTS
Resistance	55 Ohms	55 Ohms
Voltage	6.6/√3	6.6/√3
Serial No	10601	10602
Year Of Manufacture	2012	2012

6.6KV,RTCC PANEL.

Description	RTCC PANEL-1	RTCC PANEL-2
Make	VOLTAMP	VOLTAMP
Rating	4000KVA	4000KVA
Voltage ratio	33000/6900	33000/6900
Serial No	27776	27775
Year of Manufacture	2012	2012

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

6.6KV,HT INDOOR VCB PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/06/5	7505041099/06/6	7505041099/06/8
Year of Manufacture	2011	2011	2011
CT Ratio	400/1A		400/1A
PT Ratio	6.6KV/√3/110V/√3		6.6KV/√3/110V/√3

6.6KV,640KW MOTOR FEEDER PANEL

Description	MOTOR FEEDER-1	MOTOR FEEDER-2	MOTOR FEEDER-3
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/06/2	7505041099/06/3	7505041099/06/4
Year of Manufacture	2011	2011	2011
CT Ratio	75/1A	75/1A	75/1A

Description	MOTOR FEEDER-4	MOTOR FEEDER-5	MOTOR FEEDER-6
Make	AREVA	AREVA	AREVA
Type	PIX-MV	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/06/9	7505041099/06/10	7505041099/06/11
Year of Manufacture	2011	2011	2011
CT Ratio	75/1A	75/1A	75/1A

6.6KV,HT CAPACITOR

Description	HT CAPACITOR-1	HT CAPACITOR-2	HT CAPACITOR-3
Make	EPCOS	EPCOS	EPCOS
KVAR	158KVAR	158KVAR	158KVAR
Fuse rating	40A	40A	40A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	12.57A	12.57A	12.57A
Serial No	1106/1	1106/2	1106/3

Description	HT CAPACITOR-4	HT CAPACITOR-5	HT CAPACITOR-6
Make	EPCOS	EPCOS	EPCOS
KVAR	158KVAR	158KVAR	158KVAR
Fuse rating	40A	40A	40A
Rated Voltage	7.26KV	7.26KV	7.26KV
Rated Current	12.57A	12.57A	12.57A
Serial No	1106/4	1106/5	1106/6

6.6KV,HT FCMA SOFTSTARTER PANEL

Description	FCMA SOFTSTARTER-1	FCMA SOFTSTARTER-2	FCMA SOFTSTARTER-3
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-640-M-3KA1	NSC1-640-M-3KA1	NSC1-640-M-3KA1
Serial No	J3839/12	J3839/13	J3839/14

Description	FCMA SOFTSTARTER-4	FCMA SOFTSTARTER-5	FCMA SOFTSTARTER-6
Make	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS	INNOVATIVE TECHNOMICS
Model No	NSC1-640-M-3KA1	NSC1-640-M-3KA1	NSC1-640-M-3KA1
Serial No	J3839/15	J3839/16	J3839/17

6.6KV,100KVA,HT AUXILLARY TRANSFORMER VCB PANEL

Description	AUX. TRANSFORMER FEEDER-1	AUX. TRANSFORMER FEEDER-2
Make	AREVA	AREVA
Type	PIX-MV	PIX-MV
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ
Serial No	7505041099/06/1	7505041099/06/12
Year of Manufacture	2011	2011
CT Ratio	30/1A	30/1A

6.6KV/433V,AUXILLARY TRANSFORMER.

Description	AUX TRANSFORMER-1	AUX TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	100KVA	100KVA
Type of installation	INDOOR	INDOOR
No load Voltage(HV)	6.9KV	6.9KV
No load Voltage(LV)	0.433KV	0.433KV
Current Amps(HV)	8.37A	8.37A
Current Amps(LV)	133.34A	133.34A
Frequency	50HZ	50HZ
Year Of Manufacture	2011	2011
Serial No	18871/3	18871/4

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

415V,LT INDOOR MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Capacitor bank-1		Capacitor bank-2
	Battery Charger-1		Battery Charger-2
	Drain Pump-1		Drain Pump-2
	Pump-1 Valve		Pump-4 Valve
	Pump-2 Valve		Pump-5 Valve
	Pump-3 Valve		Pump-6 Valve
	UPS-1		UPS-2
	ACDB-1		ACDB-2
	Darin Pump-1		EOT Crane
	Service Panel-1		Service Panel-2
	compressor Unit panel-1		compressor Unit panel-2
	Sample Pump-1		

CAPACITOR PANEL

Description	CAPACITOR BANK		
Make	Epcos		
Rating	60KVAR		
Voltage	415V		

415V,LT INDOOR BUILDING SERVICES DISTRIBUTION PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeders-9No's		Outgoing Feeders-7No's

415V,BATTERY CHARGER PANEL

Description	BATTERY CHARGER-1	BATTERY CHARGER-2
Make	STATCON	STATCON
Type	FCBC	FCBC
Rated Voltage	415V,3Ph,50HZ	415V,3Ph,50HZ
Serial No	12A02303	12A02303A
Year of Manufacture	2012	2012

1.2V,135AH,NI-CD BATTERY

Description	NI-CD BATTERY-87No's
Make	HBL
Type	KBL 135P
Rated Voltage	1.2V/135AH
Year of Manufacture	2011

5KVA,UPS

Description	UPS-1	UPS-2
Make	SU-KAM	SU-KAM
Type	SMX-10000XL	SMX-10000XL
KVA	5KVA	5KVA
Input Voltage	230V,AC,50HZ	230V,AC,50HZ
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A
Year of Manufacture	2012	2012

12V,65AH,LEAD ACID BATTERIES

Description	BATTERY-20No's
Make	ROCKET
Model	ESC-65-12
Type	Lead Acid Battery
Volt/AH	12/65AH

AC DISTRIBUTION BOARD

Description	ACDB-1	ACDB-2
	Output-10No's	Output-10No's

UPS DISTRIBUTION BOARD

Description	UPS DB
	Output-4No's

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

LCP PUSH BUTTON

Description	LCP PUSH BUTTON
For VT Pumps	6 No's

BPS PLC PANEL

Description	PLC PANEL
Make	WINTECH
Type	Rockwell Automation

UPS DISTRIBUTION BOARD FOR VIBRATION MONITORING SYSTEM

Description	UPS DB
	Output-6 No's

VIBRATION MONITORING SYSTEM

Description	VT PUMP-1		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-050	VIBFDMI-1309-045	VIBFDMI-1309-070

Description	VT PUMP-2		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-030	VIBFDMI-1309-110	VIBFDMI-1309-077

Description	VT PUMP-3		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-079	VIBFDMI-1309-036	VIBFDMI-1309-091

Description	VT PUMP-4		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-089	VIBFDMI-1309-072	VIBFDMI-1309-076

Description	VT PUMP-5		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-064	VIBFDMI-1309-071	VIBFDMI-1309-047

Description	VT PUMP-6		
	VIBRATION MONITOR-1	VIBRATION MONITOR-2	VIBRATION MONITOR-3
Make	FORBES MARSHALL	FORBES MARSHALL	FORBES MARSHALL
Type	VIBTRANS F	VIBTRANS F	VIBTRANS F
Serial No	VIBFDMI-1309-049	VIBFDMI-1309-053	VIBFDMI-1309-063

TEMPERATURE SCANNER

Description	VT PUMP-1	VT PUMP-2	VT PUMP-3
	TEMPERATURE SCANNER-1	TEMPERATURE SCANNER-2	TEMPERATURE SCANNER-3
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	12082862	120822859	120822845

Description	VT PUMP-4	VT PUMP-5	VT PUMP-6
	TEMPERATURE SCANNER-4	TEMPERATURE SCANNER-5	TEMPERATURE SCANNER-6
Make	MASIBUS	MASIBUS	MASIBUS
Model No	85XX	85XX	85XX
Type	RTD-PT-100(3W)	RTD-PT-100(3W)	RTD-PT-100(3W)
Serial No	120822853	121023334	120822853

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

415V,ACTUATOR VALVE

Description	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-2	VT PUMP ACTUATOR-3
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-301-01	BFV-301-02	BFV-301-03

Description	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-1	VT PUMP ACTUATOR-1
Make	AUMA	AUMA	AUMA
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494
Type	AM71	AM71	AM71
Tag No	BFV-301-04	BFV-301-05	BFV-301-06

LEVEL TRANSMITTER

Description	INLET SUMP-1	INLET SUMP-1
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-301-01	LIT-301-01S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

Description	INLET SUMP-2	INLET SUMP-2
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-301-02	LIT-301-02S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

Description	INLET SUMP-3	INLET SUMP-3
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-301-03	LIT-301-03S
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

Description	RESERVOIR - 1	RESERVOIR - 2
	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-301-04	LIT-301-05
Make	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100

LEVEL SWITCH

Description	INLET SUMP-1	INLET SUMP-2	INLET SUMP-3
	LEVEL SWITCH-1	LEVEL SWITCH-1	LEVEL SWITCH-1
Make	TECHTROL	TECHTROL	TECHTROL
Model No	CNS-JN-1USP2	CNS-JN-1USP2	CNS-JN-1USP2
Type	TLC-N	TLC-N	TLC-N

FLOW METER

Description	FLOW TRANSMITTER		
Make	KROHNE MARSHALL		
Type	IFC21		
Model No	IFS4000		
Serial No	1120756		
Size	DN1200		

PRESSURE TRANSMITTER

Description	PRESSURE TRANSMITTER		
Make	SIEMENS		
Type	SITRANS P		
Model No	7MF4033-1BA10-2AC6-Z		
Tag No	PT-301-01		

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

DEWATERING PUMP STARTER PANEL

Description	INLET SUMP-1	INLET SUMP-2	
	DEWATERING PUMP STARTER	DEWATERING PUMP STARTER	
Make	BEAM ENGINEERS	BEAM ENGINEERS	
Pump Model No	KDS 4MS 100	KDS 4MS 100	
Type	SUBMERSIBLE PUMP	SUBMERSIBLE PUMP	
Starter	DOL	DOL	
HP	5HP	5HP	

415V,LT SURGE COMPRESSOR PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	10HP,Compressor motor-1		10HP,Compressor motor-1

AIR DRYER PANEL

Description	AIR DRYER		
Make	ELGI		
Model No	ELHD-064		
Serial No	1765-02-/12		

SURGE VESSEL CONTROL PANEL

Description	CONTROL PANEL		
Make	SHRIDHAN INTERNATIONAL		
Model No	SIPL-PRJ-CG-M-4020		
Year of Manufacture	2011		

VENTILATION FAN - 7 No's

Description	VENTILATION FAN		
	Pump House 3HP-3No'S		
	LT Panel Room 1HP-1No'S		
	HT Panel Room 1HP-1No'S		
	Aux.Trans Room 0.5HP-2No'S		

EXTERNAL LIGHTING DISTRIBUTION BOARD

Description	ELDB-1		
	Output-4No's		

INTERNAL LIGHTING DISTRIBUTION BOARD

Description	ILDB-1		
	Output-4No's		

SMALL POWER DISTRIBUTION BOARD

Description	SPDB-1		
	Output-3No's		

10W,EMERGENCY LIGHT - 4 No's

Description	EMERGENCY LIGHT		
	HT Panel-1No		
	LT Panel-1No		
	Pump house-2No		

2X28W FLUORESCENT LAMP FITTING - 28 No's

Description	2X28W FITTING		
	LT Panel -8No's		
	HT Panel-12No's		
	Battery room-2No's		
	Aux.Transformer-4No's		
	Compressor Room-2No's		

2X36W CFL LAMP FITTING - 5 No's

Description	2X36W FITTING		
	PLC Panel -2No's		
	Office room-3No's		

LIST OF EQUIPMENT
BOOSTER PUMPING STATION

250W,METAL HALIDE LAMP FITTING - 6 No's			
Description	MH LAMP FITTINGS		
	Pump house indoor-6No's		
250W,HPSV LAMP FITTING - 8 No's			
Description	HPSV LAMP FITTINGS		
	Pump house outdoor-8No's		
150W,HPSV LAMP STREET LIGHT FITTING - 16 No's			
Description	STREET LIGHT FITTINGS		
	Pump house outdoor-16No's		
1.50 TON AC			
Description	1.50 TON AC		
	PLC Room-1No		

WALL MOUNTED FAN

Description	Wall Mounted Fan
Make	Usha
	Opearator Room-1No

FIRE ALARM PANEL

Description	FIRE ALARM		
	Main Panel-1No		
	Hooter-4No's		
	Smoke detector-24No's		

INTERCOM PANEL

Description	INTERCOM		
	Power Ethernet Switch -1No		
	IP Phones-4No's		

CCTV SYSTEM

Description	CCTV		
	Camera-3No's		
	Video recorder-1No		
	Monitor-1No		
	Joystick-1No		

STAFF QUARTERS

Description	A Quarters	B - 1 Quarters	B - 2 Quarters
Ceiling Fan	4 No's	3 No's	3 No's
Tube Light	5 No's	4 No's	4 No's
CFL	5 No's	4 No's	4 No's
Water Heater	3 No's	1 No	1 No

SECURITY CABIN

Description	SECURITY CABIN
Ceiling Fan	1 No
Tube Light	1 No
CFL	1 No

LIST OF EQUIPMENT
WATER TREATMENT PALNT
Clarifier

Cast Iron Sluice gate - Penstock Gates for Clarifier

Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1200W x 800H MM	1200W x 800H MM	1200W x 800H MM
Description	Sluice gate No:4	Sluice gate No:5	Sluice gate No:6
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1200W x 800H MM	1200W x 800H MM	1200W x 800H MM
Description	Sluice gate No:7	Sluice gate No:8	
Make	JASH ENGINEERING	JASH ENGINEERING	
Size	1200W x 800H MM	1200W x 800H MM	

Knife Valve for Clarifier (Purge valve)

Description	Valve No:1 to 48	Valve No:49 to 96
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	50MM	50MM
PN Rating	PN-10	PN-10

Eccentric plug Valve for Clarifier (Purge valve)

Description	Valve No:1 to 48	Valve No:49 to 96
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	50MM	50MM
PN Rating	PN-10	PN-10

Pneumatic actuator with solinoid for Clarifier

Description	Actuator No:1 to 48	Actuator No:49 to 96
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Knife Valve for Clarifier - drain

Description	Valve No:1	Valve No:2	Valve No:3
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM
PN Rating	PN-10	PN-10	PN-10
Description	Valve No:4	Valve No:5	Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM
PN Rating	PN-10	PN-10	PN-10
Description	Valve No:7	Valve No:8	
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	
Dia	200MM	200MM	
PN Rating	PN-10	PN-10	

Clarifier Sludge Pump Details (submersible)

Sludge Pump No: 2 Nos	
Make	Kishore Pump
SIZE	40mm
DEL	80mm
Motor KW /HP/Speed	4 KW / 5HP/ 1450 Rpm
Voltage in Volts/Ct In Amps	415 ± 10% / 7.4 A
Starter	DOL with protection
Head	12m
Q	10m3/Hr

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Dismantling Joint for discharge of sludge pump

Description	Dismantling joint No:1	Dismantling joint No:2
Make	Tyco valves	Tyco valves
Dia	200MM	200MM
PN Rating	PN-10	PN-10

NRV for at discharge of sludge pump

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Knife Valve for at discharge of sludge pump

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Butter fly valve for Bye pass clarifier

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	1200MM	1200MM
PN Rating	PN-10	PN-10

Dismantling Joints for Bye pass clarifier

Description	Dismantling joint No:1	Dismantling joint No:2
Make	Tyco valves	Tyco valves
Dia	1200MM	1200MM
PN Rating	PN-10	PN-10

Butter fly valve for Flow meter(disch. side clarified water)

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves	Tyco valves
Dia	1700MM	1700MM	1700MM
PN Rating	PN-10	PN-10	PN-10

Dismantling Joints for Flow meter(disch. side clarified water)

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	1700MM	1700MM	1700MM
PN Rating	PN-10	PN-10	PN-10

Dismantling Joints for Flow meter

Description	Dismantling joint No:1	
Dia	1600MM	
PN Rating	PN-10	

SAND FILTER

Cast Iron Sluice gate - Penstock Gates for Sandfilter Inlet (Pneumatic control)

Description	Sluice gate No:1	Sluice gate No:2	Sluice gate No:3
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1000W x 1000H MM	1000W x 1000H MM	1000W x 1000H MM
Description	Sluice gate No:4	Sluice gate No:5	Sluice gate No:6
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1000W x 1000H MM	1000W x 1000H MM	1000W x 1000H MM
Description	Sluice gate No:7	Sluice gate No:8	Sluice gate No:9
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1000W x 1000H MM	1000W x 1000H MM	1000W x 1000H MM
Description	Sluice gate No:10	Sluice gate No:11	Sluice gate No:12
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1000W x 1000H MM	1000W x 1000H MM	1000W x 1000H MM

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Pneumatic Air -Compressor Details			
Compressor Motor : 3 Nos		Compressor : 3 Nos	
Make	ELGI Equipments Ltd	Make	ELGI Equipments Ltd
Manufacture Model Number	Frame:Y2-112M-4	Model	TS05120HN
Duty /Class Of Insulation/Eff	S1 / F / 84%	Disp Volume	500LPM
Motor KW /HP/Speed	4 KW / 5HP/ 1435 Rpm	Compressor Rating	12 Kg ² /Cm ²
Voltage in Volts/Current In Am	415 ± 10% / 8.1 A	Capacity	220Ltr
Lubrication Grade	AP3	Lubrication Grade	ELGI Compressor Oil
Air Scour Blower Details			
Motor : 2 Nos		Blower : 2 Nos	
Make	Crompton Greaves	Make	SWAM Pneumatics Rotary Tri-Lobe Blower
Manufacture Model Number	Frame:ND315LX	Model	RM-500AC TR
Duty /Class Of Insulation/Eff	S1 / F /95.5%/ IP55	Sl.No.	128100
Motor KW /HP/Speed	200KW / 270HP/ 1488 Rpm	Pressure	6000MMWG
Voltage in Volts/Ct In Amps	415 ± 10% / 324 A	Capacity	7129M ³ /Hr
Lubrication Grade	UNIREX N3	Lub Oil /Capacity	Servo 320/
RELUB	5000Hrs	Blower RPM	1400Rpm
Bearing DE/NDE	6319C3/6319	Motor Kw	200KW/1500 RPM
Butter fly valve for Air Scour blowers			
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	
Make	Tyco valves	Tyco valves	
Dia	350MM	350MM	
PN Rating	PN-10	PN-10	
Dismantling Joint for Air Scour blowers			
Description	Dismantling joint No:1	Dismantling joint No:2	
Dia	350MM	350MM	
PN Rating	PN-10	PN-10	
Pneumatic Butter fly valve for sand filter air inlet			
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco valves	Tyco valves	Tyco valves
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:7	Butter Fly Valve No:8	Butter Fly Valve No:9
Make	Tyco valves	Tyco valves	Tyco valves
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:10	Butter Fly Valve No:11	Butter Fly Valve No:12
Make	Tyco valves	Tyco valves	Tyco valves
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Dismantling joint for sand filter air inlet			
Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:7	Dismantling joint No:8	Dismantling joint No:9
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Description	Dismantling joint No:10	Dismantling joint No:11	Dismantling joint No:12
Dia	350MM	350MM	350MM
PN Rating	PN-10	PN-10	PN-10

Pneumatic Butter fly valve for Filter outlet

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco valves	Tyco valves	Tyco valves
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:7	Butter Fly Valve No:8	Butter Fly Valve No:9
Make	Tyco valves	Tyco valves	Tyco valves
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:10	Butter Fly Valve No:11	Butter Fly Valve No:12
Make	Tyco valves	Tyco valves	Tyco valves
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10

Dismantling joint for Filter outlet

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:7	Dismantling joint No:8	Dismantling joint No:9
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:10	Dismantling joint No:11	Dismantling joint No:12
Dia	500MM	500MM	500MM
PN Rating	PN-10	PN-10	PN-10

Chlorine Contact Tank

Cast Iron Sluice gate - Penstock Gates for Chlorine contact tank

Description	Sluice gate No:1	Sluice gate No:2
Make	JASH ENGINEERING	JASH ENGINEERING
Size	1700W x 1700H MM	1700W x 1700H MM

CCT Mixer

Motor : 2 Nos		Mixer Gearbox : 2 Nos	
Make	CG	Make	Premium Duro Drive
FRAME	ND180M	Model	SBC-238 /13.9/350 -48
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%		
Motor KW/HP /F.L.Ct	18.5 KW / 25 HP / 33 A		
Voltage in Volts/Connection	415 ± 10 % / Delta		
Speed	1475Rpm		
Lubrication Grade	AP3	RPM	106
Bearing DE/NDE	63102RS/63102RS	Lub.Oil	Servo 320

Butter fly valve for Contact tank (Drain valve)

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	150MM	150MM
PN Rating	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT
Elevated Pump House

Butter fly valve for Suction of Service water pump

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	250MM	250MM
PN Rating	PN-10	PN-10

Service water pump

Motor : 2 Nos		Pump : 2 Nos	
Make	Grundfos	Make	Grundfos
TYPE	HX+225SMC4	Pump Type	KPD200 / 33
Duty /IP / Insul.Class /η	S1 / 55 / F/ 93.3%	Total Head	61.2m
Motor KW/HP /F.L.Ct	45 KW / 60 HP / 81 A	Size	50 HZ
Voltage in Volts	415 ± 10 %	Discharge	500M ³ /Hr
Speed	2840Rpm	Speed	2899 min

Butter fly valve for Suction of Elevated pump

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	450MM	450MM
PN Rating	PN-10	PN-10

Dismantling Joint for Suction of Elevated pump

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	450MM	450MM
PN Rating	PN-10	PN-10

Elevated pump

Motor No: 2 Nos		Pump No: 2 Nos	
Make	ABB	Make	Kirloskar
TYPE	HX+225SMC4	Pump Type	KPD200 / 33
Duty /IP / Insul.Class /η	S1 / 55 / F/ 93.3%	Total Head	20m
Motor KW/HP /F.L.Ct	45 KW / 60 HP / 81 A	Size	200 X 255 mm
Voltage in Volts	415 ± 10 %	Discharge	500M ³ /Hr
Speed	1470Rpm	Speed	1470
Lubrication Grade	AP3	Lub.Oil	Servo 100

Butter fly valve for Discharge to Over head tank in fiterbed building

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	350MM	350MM
PN Rating	PN-10	PN-10

Dismantling Joint for Discharge to Over head tank in fiterbed building

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	350MM	350MM
PN Rating	PN-10	PN-10

NRV for Discharge to Discharge to Over head tank in fiterbed building

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	350MM	350MM
PN Rating	PN-10	PN-10

Butterfly valve for OHT Inlet

Description	Dismantling joint No:1	Dismantling joint No:2
Make	Tyco valves	Tyco valves
Dia	350MM	350MM
PN Rating	PN-10	PN-10

Dismantling Joint for OHT Inlet

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	350MM	350MM
PN Rating	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Cast Iron Sluice gate Details - Penstock Gate for Sand filter OHT			
Description	Sluice gate No:1		
Make	JASH ENGINEERING		
Size	600W x 600H MM		
Butter fly valve for Elevated tank outlet			
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	
Make	Tyco valves	Tyco valves	
Dia	600MM	600MM	
PN Rating	PN-10	PN-10	
Dismantling Joint for Elevated tank outlet			
Description	Dismantling joint No:1	Dismantling joint No:2	
Dia	600MM	600MM	
PN Rating	PN-10	PN-10	
Pneumatic control valve Elevated tank outlet			
Description	Valve No:1		
Make	Tyco valves		
Dia	600MM		
PN Rating	PN-10		
Dismantling Joint for Pneumatic control valve Elevated tank outlet			
Description	Dismantling joint No:1		
Dia	600MM		
PN Rating	PN-10		
Dismantling Joint for Elevated tank outlet - Flowmeter			
Description	Dismantling joint No:1		
Dia	600MM		
PN Rating	PN-10		
Pneumatic Butter fly valve for Sand filter (Back wash inlet)			
Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco valves	Tyco valves	Tyco valves
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:7	Butter Fly Valve No:8	Butter Fly Valve No:9
Make	Tyco valves	Tyco valves	Tyco valves
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:10	Butter Fly Valve No:11	Butter Fly Valve No:12
Make	Tyco valves	Tyco valves	Tyco valves
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Dismantling joint for Sand filter (Back wash inlet)			
Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:4	Dismantling joint No:5	Dismantling joint No:6
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:7	Dismantling joint No:8	Dismantling joint No:9
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10
Description	Dismantling joint No:10	Dismantling joint No:11	Dismantling joint No:12
Dia	600MM	600MM	600MM
PN Rating	PN-10	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Pneumatic Butter fly valve for Sand filter (Back wash outlet)

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	800MM	800MM	800MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:4	Butter Fly Valve No:5	Butter Fly Valve No:6
Make	Tyco valves	Tyco valves	Tyco valves
Dia	800MM	800MM	800MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:7	Butter Fly Valve No:8	Butter Fly Valve No:9
Make	Tyco valves	Tyco valves	Tyco valves
Dia	800MM	800MM	800MM
PN Rating	PN-10	PN-10	PN-10
Description	Butter Fly Valve No:10	Butter Fly Valve No:11	Butter Fly Valve No:12
Make	Tyco valves	Tyco valves	Tyco valves
Dia	800MM	800MM	800MM
PN Rating	PN-10	PN-10	PN-10

Knife Valve for Sandfilter drain

Description	Valve No:1	Valve No:2	Valve No:3
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM	150MM
PN Rating	PN-10	PN-10	PN-10
Description	Valve No:4	Valve No:5	Valve No:6
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM	150MM
PN Rating	PN-10	PN-10	PN-10
Description	Valve No:7	Valve No:8	Valve No:9
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM	150MM
PN Rating	PN-10	PN-10	PN-10
Description	Valve No:10	Valve No:11	Valve No:12
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM	150MM
PN Rating	PN-10	PN-10	PN-10

Wash Water Recovery Tank

Cast Iron Sluice gate - Penstock Gates at Wash Water Recovery tank inlet

Description	Sluice gate No:1	Sluice gate No:2
Make	JASH ENGINEERING	JASH ENGINEERING
Size	800W x 800H MM	800W x 800H MM

Float Liver Arm for isolation tank - 2 nos

Butter fly valve for Suprentant tank isolation (Motorized, ON OFF)

Description	Valve No:1	Valve No:2
Make	Tyco valves	Tyco valves
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Butter fly valve for Suprentant Pump suction at WWRT

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Dismantling Joint for Suprentant Pump suction at WWRT

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	200MM	200MM
PN Rating	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT
Suprentant Pump

Motor : 2 Nos		Pump : 2 Nos	
Make	ABB	Make	Kirloskar
TYPE	HX+180MLC4	Pump Type	KPD150 /32N
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19m
Motor KW/HP /F.L.Ct	22 KW / 30 HP / 40.5 A	Size	150 X 200 mm
Voltage in Volts/Connection	415 ± 10 % / Delta	Discharge /Imp Dia mm	270M ³ /Hr / CFBM/265mn
Speed	1460Rpm	Speed	1460
Lubrication Grade	AP3	Lub.Oil	Servo 100
Bearing DE/NDE	6310ZZC3/6309ZZC3		

Butter fly valve for Suprentant Pump discharge line

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	250MM	250MM
PN Rating	PN-10	PN-10

Dismantling Joint for Suprentant Pump discharge line

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	250MM	250MM
PN Rating	PN-10	PN-10

NRV for Suprentant Pump discharge line

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	250MM	250MM
PN Rating	PN-10	PN-10

Knife Valve for sludge pump suction forat WWRT (Motorized On Off)

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Knife Valve for sludge suction at WWRT

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Dismantling Joint for sludge suction at WWRT

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Motor : 2 Nos		Pump : 2 Nos	
Make	ABB	Make	Kirloskar
TYPE	HX+180MLC4	Pump Type	KPD125 /32 OF
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	26m
Motor KW/HP /F.L.Ct	22 KW / 30 HP / 40.5 A	Size	125 X 150 mm
Voltage in Volts/Connection	415 ± 10 % / Delta	Discharge /Imp Dia mm	182M ³ /Hr / CFBM/302mn
Speed	1460Rpm	Speed	1460
Lubrication Grade	AP3	Lub.Oil	Servo 100
Bearing DE/NDE	6310ZZC3/6309ZZC3		

NRV for Sludge pump discharge line at WWRT

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

LIST OF EQUIPMENT

WATER TREATMENT PALNT

Knife Valve for Sludge pump discharge line at WWRT

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Dismantling Joint for Sludge pump discharge line at WWRT

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Sludge Balancing Tank inlet

NRV For Clarifier sludge pump inlet to SBT

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Dismantling Joint for Clarifier sludge pump inlet to SBT

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Knife Valve for Clarifier sludge pump inlet to SBT

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Dismantling Joint for Clarifier sludge pump inlet to SBT

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Sludge Balancing Mixer Details

Mixer: 2 nos	
Make	Grundfos
SIZE	300 MM
Motor KW /HP/Speed	1.5 KW / 2HP/
Voltage in Volts/Ct In Amps	415 ± 10% / 3.5 A

Knife valve For Scew pump suction Header from SBT outlet

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	250MM	250MM
PN Rating	PN-10	PN-10

Description	Valve No:3
Make	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	250MM
PN Rating	PN-10

Knife valve For Scew pump suction

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10

Description	Valve No:3	Valve No:4
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Sludge Screw Pump Details			
Motor : 4 Nos		Pump : 4 nos	
Make	Bharat Bijlee	Make	ROTO PUMPS
Make No:	MA13M475	CODE	RLGA671-R0771N
Duty /IP / Insul.Class /η	S1 / 55 / F1B / 87 %	BAR	0.93
Motor KW/HP /F.L.Ct	7.5 KW / 10 HP / 14.5 A	Discharge	60.6M ³ /Hr
Voltage in Volts/Connection	415 ± 10 %	Speed	225RPM
Speed	1445Rpm		
Lubrication Grade	AP3		
Bearing DE/NDE			

NRV For Scew pump discharge line

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10
Description	Valve No:3	Valve No:4
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10

Dismantling joint For Scew pump discharge line

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	150MM	150MM
PN Rating	PN-10	PN-10
Description	Dismantling joint No:3	Dismantling joint No:4
Dia	150MM	150MM
PN Rating	PN-10	PN-10

Knife valve For Scew pump discharge line

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10
Description	Valve No:3	Valve No:4
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10

Knife valve For Thickner inlet (Flowmeter bypass line)

Description	Valve No:1	Valve No:2
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM
PN Rating	PN-10	PN-10

Ball valve valve For Thickner inlet (Flowmeter bypass line)

Description	Valve No:1	Valve No:2	Valve No:3
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	150MM	150MM	150MM
PN Rating	PN-10	PN-10	PN-10

Sludge Thickner Details

Motor : 2 Nos		Pump : 2 Nos	
Make	Crompton Greaves	Make	Nord Drive System
Frame	ND80	Type	7382/23 VF /VL IEC 80
Duty /IP / Insul.Class /η	S1 / 55 / F	Gear Ratio	12411.02M4
Motor KW/HP /F.L.Ct	0.75 KW / 1 HP / 1.81 A		
Voltage in Volts/Connection	415 ± 10 %		
Speed	1410Rpm		
Lubrication Grade	AP3		
Bearing DE/NDE			

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Knife valve For Thickner outlet

Description	Valve No:1	Valve No:2	Valve No:3
Make	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	200MM	200MM	200MM
PN Rating	PN-10	PN-10	PN-10

Pneumatic control Butterfly valve For Thickner outlet

Description	Valve No:1	Valve No:2
Make	Tyco valves	Tyco valves
Dia	200MM	200MM
PN Rating	PN-10	PN-10

Sludge drying bed

Ball valve For Drying bed inlet

Description	Valve No: 8 Nos
Make	Tyco valves
Dia	50MM

Cast Iron Sluice gate - Penstock Gates for Sludge drying bed outlet

Description	Bed No: 01 Sluice gate No:1 &2	Bed No: 02 Sluice gate No:3 &4	Bed No: 03 Sluice gate No:5 &6
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	450W x 500H MM	450W x 500H MM	450W x 500H MM
Description	Bed No: 04 Sluice gate No:7&8	Bed No: 05 Sluice gate No:9 &10	Bed No: 06 Sluice gate No:11 &12
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	450W x 500H MM	450W x 500H MM	450W x 500H MM
Description	Bed No: 07 Sluice gate No:13 &14	Bed No: 08 Sluice gate No:15 &16	
Make	JASH ENGINEERING	JASH ENGINEERING	
Size	450W x 500H MM	450W x 500H MM	

Chemical Building

Alum saturation Pump Details

UPVC Ball valve For Alum saturation pump suction line

Description	Valve No:1	Valve No:2	Valve No:3
Dia	90MM	90MM	90MM
Description	Valve No:4	Valve No:5	Valve No:6
Dia	90MM	90MM	90MM

UPVC Strainer For Alum saturation pump suction line

Description	Strainer No:1	Strainer No:2	
Dia	90MM	90MM	
Motor : 2 Nos		Pump : 2 Nos	
Make	PRIMO-Kirloskar	Make	SeemsanPumps&Equipments
Frame	PM112M	Pump model	ALTRA-210
Duty /IP / Insul.Class /η	S1 / 55 / F/ 84%	Total Head	12m
Motor KW/HP /F.L.Ct	3.7KW / 5 HP / 7.5 A	SEAL	CCS /CER
Voltage in Volts/Connection	415 ± 10 % / Delta	Discha /Imp Dia mm	16M ³ /Hr / 205mm
Speed	1430Rpm	Speed	2900
Lubrication Grade	AP3	Lub.Oil	Servo 100
Bearing DE/NDE	6306/6302		

UPVC NRV For Alum saturation pump discharge line

Description	Valve No:1	Valve No:2	
Dia	75MM	75MM	

UPVC Ball valve For Alum saturation pump discharge line

Description	Valve No:1	Valve No:2	Valve No:3
Dia	75MM	75MM	75MM
Description	Valve No:4		
Dia	75MM		

UPVC Ball valve For Alum saturation tank drain

Description	Valve No:1	Valve No:2	
Dia	100MM	100MM	

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Alum Mixer Details			
Motor No: 2 Nos		Mixer Gearbox : 2 Nos	
Make	CG	Make	Premium Duro Drive
FRAME	QD90L	Model	IBC-162 /14.2/200-24
Duty /IP / Insul.Class /η	S1 / 55 / F/ _		
Motor KW/HP /F.L.Ct	1.50 KW / 2 HP / 3.9 A		Premium Transmission Ltd
Voltage in Volts/Connection	415 ± 10 % / Delta		
Speed	1420Rpm		
Lubrication Grade	AP3	RPM	101
Bearing DE/NDE	6205ZZ/6203ZZ	Lub.Oil	Servo 320
UPVC Ball valve For Alum transfer pump suction line			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	50MM	50MM	50MM
Description	Valve No:4	Valve No:5	Valve No:6
Dia	50MM	50MM	50MM
Alum Transfer pump Details			
Motor : 2 Nos		Pump : 2 Nos	
Make	PRIMO-Kirloskar	Make	SeemsanPumps&Equipmer
Frame	PM80	Pump model	Atom-100
Duty /IP / Insul.Class /η	S1 / 55 / F/ 77%	Total Head	6m
Motor KW/HP /F.L.Ct	0.75KW / 1 HP / 1.6 A	SEAL	CCS /CER
Voltage in Volts/Connection	415 ± 10 % / Delta	Discha /Imp Dia mm	3M ³ /Hr / 100mm
Speed	2800Rpm	Speed	2900
Lubrication Grade	AP3	Lub.Oil	Water
UPVC NRV For Alum transfer pump discharge line			
Description	Valve No:1	Valve No:2	
Dia	63MM	63MM	
UPVC Ball valve For Alum transfer pump discharge line			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	63MM	63MM	63MM
UPVC Ball valve For Alum Tank (drain)			
Description	Valve No:1	Valve No:2	
Dia	90MM	90MM	
Alum Dosing Tank			
UPVC Ball valve for flowmeter line (to parshel flume)			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	50MM	50MM	50MM
Description	Valve No:4	Valve No:5	
Dia	50MM	50MM	
UPVC Ball valve for Alum dosing tank (drain)			
Description	Valve No:1		
Dia	50MM		
Alum Waste Holding pump Details			
Motor : 01 No			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	25 M		
RPM	2800		
KW/HP	75/1		
SS Ball valve for Alum waste holding pump discharge line			
Description	Valve No:1	Valve No:2	
Dia	50MM	50MM	
Lime Tank			

LIST OF EQUIPMENT
WATER TREATMENT PALNT
Lime Mixer Details

Motor : 2 Nos		Mixer Gear drive : 2 Nos	
Make	Crompton Greaves	Make	PREMIUM DURO DRIVE
Frame	ND100L	Model	IBC 162/13.4/250-28
Duty /IP / Insul.Class /η	S1 / 55 / F/ 82%	RPM	107
Motor KW/HP /F.L.Ct	2.2KW / 3 HP / 4.61 A		Premium Transmisison Ltd
Voltage in Volts/Connection	415 ± 10 % / STAR		
Speed	1430Rpm		
Lubrication Grade	AP3		
Bearing DE/NDE	6206 ZZ/6205 ZZ		
SS Ball valve For Lime pump suction line			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	150MM	150MM	150MM
	Valve No:4		
	150MM		
Lime pump Details			
Motor No: 2 Nos		Pump : 2 Nos	
Make	ABB	Make	Kirloskar
Frame	—	Pump model	KPD50/16QF
Duty /IP / Insul.Class /η	S1 / 55 / F/ 76.8%	Total Head	7m
Motor KW/HP /F.L.Ct	1.1KW / 1.5 HP / 2.6 A	SEAL	CCS /CER
Voltage in Volts/Connection	415 ± 10 % / Delta	Discha /Imp Dia mm	20M ³ /Hr / CFB152mm
Speed	1410Rpm	Speed	1410
Lubrication Grade	AP3	Lub.Oil	Servo 100
Bearing DE/NDE	62052ZC3/62042ZC3		
NRV For Lime pump discharge line			
Description	Valve No:1	Valve No:2	
Dia	90 MM	90 MM	
SS Ball valve For Lime pump discharge line			
Description	Valve No:1	Valve No:2	
Dia	90 MM	90 MM	
SS Ball valve For bypass flowmeter line - Pump 1			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	80MM	80MM	80MM
Description	Valve No:4	Valve No:5	
Dia	80MM	80MM	
SS Ball valve For bypass flowmeter line - Pump 2			
Description	Valve No:1	Valve No:2	Valve No:3
Dia	80MM	80MM	80MM
Description	Valve No:4	Valve No:5	
Dia	80MM	80MM	
Lime Milk Saturator Tank			
Motor No: 2 Nos		Mixer Gear drive : 2 Nos	
Make	Crompton Greaves	Make	PREMIUM DURO DRIVE
Frame	ND90S	Model	IBC 162/45.6/200-24
Duty /IP / Insul.Class /η	S1 / 55 / F/ 73%	RPM	
Motor KW/HP /F.L.Ct	0.75KW / 1 HP / 1.99 A		Premium Transmission Ltd
Voltage in Volts/Connection	415 ± 10 % /		
Speed	935Rpm		
Lubrication Grade	AP3		
Bearing DE/NDE			
Butter fly valve for Lime Milk saturation pump suction			
Description	Valve No:1	Valve No:2	
Dia	150MM	150MM	

LIST OF EQUIPMENT
WATER TREATMENT PALNT
LIME MILK WATER PUMP

EQUIPMENT DETAILS	Motor : 2 Nos	Pump : 2 Nos	
Make	ABB	Make	Kirloskar
Manufacture Serial Number	808563	Pump model	KPD65/20
Frame	—	Pump No	1371712020
Duty /IP / Insul.Class /η	S1 / 55 / F/ 88.3%	Total Head	14m
Motor KW/HP /F.L.Ct	5.5KW / 7.5 HP / 11.1 A	SEAL	—
Voltage in Volts/Connection	415 ± 10 % /	Discha /Imp Dia mm	60M ³ /Hr / CFB215mm
Speed	1455 Rpm	Speed	1455
Lubrication Grade	AP3	Lub.Oil	Servo 100

NRV for Lime Milk saturation pump discharge line

Description	Valve No:1	Valve No:2
Dia	100MM	100MM

Butterfly valve for Lime Milk saturation pump discharge line

Description	Valve No:1	Valve No:2
Dia	100MM	100MM

Dismantling joint for Lime Milk saturation pump discharge line

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	100MM	100MM

SS Ball valve For Lime Milk saturation pump discharge flowmeter line

Description	Valve No:1	Valve No:2	Valve No:3
Dia	100MM	100MM	100MM
Description	Valve No:4		
Dia	100MM		

Gate valve For Lime Milk saturation tank drain

Description	Valve No:1	Valve No:2	Valve No:3
Dia	150MM	150MM	150MM

SS Ball valve For Lime Milk saturation tank drain

Description	Valve No:1	Valve No:2
Dia	63 MM	63 MM
Description	Valve No:3	Valve No:4
Dia	63 MM	63 MM

Bronze Gate valve For Lime Milk saturation tank service water line

Description	Valve No:1	Valve No:2
Dia	150 MM	150 MM

Chlorine Building

Butterfly valve For Pre-Chlorine suction line

Description	Valve No:1
Dia	65 MM

Pre-Chlorine Pump Details

Motor : 01 No		Pump :01 No	
Make	Kirloskar	Make	Kirloskar
TYPE	KDS-5504	Pump Type	KDS-5504
Duty /IP / Insul.Class /η	S1 / 55 / F/ 34%	Total Head	46 m
Motor KW/HP /F.L.Ct	3.7KW / 5 HP / 8 A	Size	50 X 40 mm
Voltage in Volts/Connection	415 ± 10 %	Imp Dia mm	196mm
Speed	2870Rpm	IPS	2.9
Lubrication Grade	AP3		
Bearing DE/NDE			

Butterfly valve For Pre-Chlorine discharge line

Description	Valve No:1
Dia	60 MM

NRV For Pre-Chlorine discharge line

Description	Valve No:1
Dia	60 MM

UPVC Ball valve For Pre-Chlorine discharge line

Description	Valve No:1
Dia	63 MM

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Post-Chlorine Pump Details			
Butterfly valve For Post-Chlorine suction line			
Description	Valve No:1	Valve No:2	
Dia	80 MM	80 MM	
Post-Chlorine Pump			
Motor : 2 Nos		Pump : 2 Nos	
Make	Kirloskar	Make	Kirloskar
TYPE	KDS-5504	Pump Type	KDS-5504
Duty /IP / Insul.Class /η	S1 / 55 / F/ 34%	Total Head	46 m
Motor KW/HP /F.L.Ct	3.7KW / 5 HP / 8 A	Size	50 X 40 mm
Voltage in Volts/Connection	415 ± 10 %	Imp Dia mm	196mm
Speed	2870Rpm	IPS	2.9
Lubrication Grade	AP3		
Bearing DE/NDE			
Butterfly valve For Post-Chlorine discharge line			
Description	Valve No:1	Valve No:2	
Dia	75 MM	75 MM	
NRV For Post-Chlorine discharge line			
Description	Valve No:1	Valve No:2	
Dia	75 MM	75 MM	
UPVC Ball valve For Post-Chlorine discharge line			
Description	Valve No:1	Valve No:2	
Dia	75 MM	75 MM	
E.O.T Crane Details			
Make	S.L.Engineering		
Capacity	3 Ton		
Chlorine Absorbion Pump Details			
Motor : 2 Nos		Pump : 2 Nos	
Make	SIEMENS	Make	AntiCorrosive Equipments Pvt Ltd
TYPE		Pump Model	Exp-55ST
Duty /IP / Insul.Class /η	S1 / 55 / F/ 85%		
Motor KW/HP /F.L.Ct	3.7 KW / 5 HP / 7A	Total Head	15m
Voltage in Volts	415 ± 10 %	Size	75 X 50 mm
Speed	1440Rpm	Discharge /Imp Dia mm	20M ³ /Hr / 212mm
Lubrication Grade	AP3	Speed	1440
Bearing DE/NDE		Lub.Oil	Servo 100
Chlorine Absorbion Blower Details			
Motor : 2 Nos		Compressor : 2 Nos	
Make	Crompton Greaves	Make	Continental Airflow System
Manufacture Serial Number	1522J		
Frame	Frame:ND90L	Blower Type	CCB-16-3-500
Duty /Class Of Insulation/Eff	S1 / F / IP55 / 81%	Sl.No.	U312071307
Motor KW /HP/Speed	2.2KW / 3HP/ 1488 Rpm	Fan Size	500mm
Voltage in Volts/Ct In Amps	415 ± 10% / 4.61A	Fan Rating	500 Cu.Ft/Min
Lubrication Grade		Lub Oil /Capacity	
RELUB		Blower RPM	2900Rpm
Bearing DE/NDE	6205ZZ/6205ZZ		
Starch Building			
Starch Mixer Details			
Motor : 2 Nos		Mixer Gear drive : 2 Nos	
Make	Crompton Greaves	Make	PREMIUM DURO DRIVE
Frame	ND100L	Model	IBC 162/13.4/250-28
Duty /IP / Insul.Class /η	S1 / 55 / F/ 82%	RPM	107
Motor KW/HP /F.L.Ct	2.2KW / 3 HP / 4.61 A		Premium Transmisison Ltd
Voltage in Volts/Connection	415 ± 10 % / STAR		
Speed	1430Rpm		

LIST OF EQUIPMENT
WATER TREATMENT PALNT

Modified Starch P.P pump Details			
Motor No: 2 Nos			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	25 M		
RPM	2800		
KW/HP	75/1		
NA OH Feed pump Details			
Motor No: 1 No			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	24 M		
RPM	2700		
KW/HP	37/.50		
Raw Water Sampling Pump Details			
Motor : 01 No		Pump :01	
Make	Crompton GreavesPLtd	Make	
Manufacture Serial Number		Pump Type	CHS2/0.5-2 (3Ph)
Pump TYPE	CHS2 /0.5-2	Pump No	LHNM-441
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19/9m
Motor KW/HP /F.L.Ct	0.3 KW / 0.5 HP / 1.3 A	Size	25X 25mm
Voltage in Volts/Connection	415 ± 10 % / Star		
Speed	2850Rpm	Stage	2
Lubrication Grade		Discharge	8/58LPM
Bearing DE/NDE			
Dosed Water Sampling Pump Details			
Motor : 01 No		Pump :01	
Make	Crompton GreavesPLtd	Make	
Manufacture Serial Number		Pump Type	CHS2/0.5-2 (3Ph)
Pump TYPE	CHS2 /0.5-2	Pump No	LGNM-4578
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19/9m
Motor KW/HP /F.L.Ct	0.3 KW / 0.5 HP / 1.3 A	Size	25X 25mm
Voltage in Volts/Connection	415 ± 10 % / Star		
Speed	2850Rpm	Stage	2
Lubrication Grade		Discharge	8/58LPM
Bearing DE/NDE			
Clarifier O/L Sampling Pump Details			
Motor : 01 No		Pump :01	
Make	Crompton GreavesPLtd	Make	
Manufacture Serial Number		Pump Type	CHS2/0.5-2 (3Ph)
Pump TYPE	CHS2 /0.5-2	Pump No	LGNM-4755
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19/9m
Motor KW/HP /F.L.Ct	0.3 KW / 0.5 HP / 1.3 A	Size	25X 25mm
Voltage in Volts/Connection	415 ± 10 % / Star		
Speed	2850Rpm	Stage	2
Lubrication Grade		Discharge	8/58LPM
Bearing DE/NDE			
Filter O/L Sampling Pump Details			
Motor : 01 No		Pump :01	
Make	Crompton GreavesPLtd	Make	
Manufacture Serial Number		Pump Type	CHS2/0.5-2 (3Ph)
Pump TYPE	CHS2 /0.5-2	Pump No	LLNM-2418
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19/9m
Motor KW/HP /F.L.Ct	0.3 KW / 0.5 HP / 1.3 A	Size	25X 25mm
Voltage in Volts/Connection	415 ± 10 % / Star		
Speed	2850Rpm	Stage	2
Lubrication Grade		Discharge	8/58LPM
Bearing DE/NDE			

LIST OF EQUIPMENT
WATER TREATMENT PALNT

CCT O/L Sampling Pump Details			
Motor : 01 No		Pump :01	
Make	Crompton GreavesPLtd	Make	
Manufacture Serial Number		Pump Type	CHS2/0.5-2 (3Ph)
Pump TYPE	CHS2 /0.5-2	Pump No	LGNM-4757
Duty /IP / Insul.Class /η	S1 / 55 / F/ 91.5%	Total Head	19/9m
Motor KW/HP /F.L.Ct	0.3 KW / 0.5 HP / 1.3 A	Size	25X 25mm
Voltage in Volts/Connection	415 ± 10 % / Star		
Speed	2850Rpm	Stage	2
Lubrication Grade		Discharge	8/58LPM
Bearing DE/NDE			
Workshop			

1. Overhead lifting beam with manually operated hoist- 1 Tonne capacity - 1 No
2. Forklift Trolly-1 Ton - 5 Nos
3. Measuring Instruments-2 sets
4. Welding Machines-2 sets
5. Column Drilling Machine-50 MM - 1 No
6. Bench Grinder - 1 No
7. Portable Grinding machine -2 nos
8. Workshop stools
9. Spanners , Hammers-2 sets

LIST OF EQUIPMENT
WATER TRETMENT PLANT

1. FILTER BUILDING

6.6KV,800KVA,HT AUXILLARY TRANSFORMER VCB PANEL

Description	AUX. TRANSFORMER FEEDER-1	AUX. TRANSFORMER FEEDER-2	
Make	AREVA	AREVA	
Type	PIX-MV	PIX-MV	
Rated Voltage	6.6KV/630A, 50HZ	6.6KV/630A, 50HZ	
Serial No	7505041099/06/1	7505041099/06/12	
Year of Manufacture	2011	2011	
CT Ratio	75/1A	75/1A	

6.6KV/433V,AUXILLARY TRANSFORMER.

Description	AUX TRANSFORMER-1	AUX TRANSFORMER-2
Make	VOLTAMP	VOLTAMP
Rating	800KVA	800KVA
Type of installation	OUTDOOR	OUTDOOR
No load Voltage(HV)	6.9KV	6.9KV
No load Voltage(LV)	0.433KV	0.433KV
Current Amps(HV)	66.94A	66.94A
Current Amps(LV)	1066.69A	1066.69A
Frequency	50HZ	50HZ
Oil Quantity	620Ltr's	620Ltr's
Year Of Manufacture	2011	2011
Serial No	16932/1	16932/2

415 V BUS DUCT SYSTEM

Description	INCOMER - 1	INCOMER - 2
Make	GE ENTERPRISES DEVELOPMEN	GE ENTERPRISES DEVELOPMENT
Rating	1250A	1250A
Voltage	415V	415V
Type	WAVE PRO LT	WAVE PRO LT
Year Of Manufacture	2012	2012

415V,LT INDOOR FILTER BUILDING ACB PANEL

Description	1250A,ACB INCOMER-1	BUSCOUPLER	1250A,ACB INCOMER-2
	Ai Scour Blower-1		Ai Scour Blower-2
	Elevated Water Pump-1		Elevated Water Pump-2
	Sludge Treatment MCC-1		Sludge Treatment MCC-2
	Service Water Panel-1		Service Water Panel-2
	Chemical Building MCC-1		Chemical Building MCC-2
	clarifier MCC-1		clarifier MCC-2
	Chlorine Building MCC-1		Chlorine Building MCC-2
	CCT Mixer-1		CCT Mixer-2
	Air Compressor-1		Air Compressor-2
	UPS-1		UPS-2
	Capacitor Panel-1		Capacitor Panel-2
	Air compressor-2		Air compressor-3
	Sample Pump-1		Starch panel

CAPACITOR PANEL

Description	CAPACITOR BANK	
Make	Epcos	
Rating	300KVAR	
Voltage	415V	

10KVA,CCR UPS

Description	UPS-1	UPS-2	
Make	SU-KAM	SU-KAM	
Type	SMX-10000XL	SMX-10000XL	
KVA/KW	10KVA/9KW	10KVA/9KW	
Input Voltage	230V,AC,50HZ	230V,AC,50HZ	
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A	
Year of Manufacture	2012	2012	

LIST OF EQUIPMENT
WATER TRETMENT PLANT

12V,150AH,LEAD ACID BATTERIES			
Description	BATTERY-20No's		
Make	NANDINI		
Model	TUBULAR		
Type	Lead Acid Battery		
Volt/AH	12/150AH		
WTP CCR PLC PANEL			
Description	PLC PANEL		
Make	WINTech		
Type	Rockwell Automation		
WTP FILTER BED MAIN PLC PANEL			
Description	PLC PANEL		
Make	WINTech		
Type	Rockwell Automation		
WTP FILTER BED INDIVIDUAL PLC PANEL			
Description	FILTER BED-1	FILTER BED-2	FILTER BED-3
Make	WINTech	WINTech	WINTech
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
Description	FILTER BED-4	FILTER BED-5	FILTER BED-6
Make	WINTech	WINTech	WINTech
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
Description	FILTER BED-7	FILTER BED-8	FILTER BED-9
Make	WINTech	WINTech	WINTech
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
Description	FILTER BED-10	FILTER BED-11	FILTER BED-12
Make	WINTech	WINTech	WINTech
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
LEVEL TRANSMITTER FILTER BED			
Description	FILTER BED-1	FILTER BED-2	FILTER BED-3
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-203-01	LIT-203-02	LIT-203-03
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100	Multiranger 100
Description	FILTER BED-4	FILTER BED-5	FILTER BED-6
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-203-04	LIT-203-05	LIT-203-06
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100	Multiranger 100
Description	FILTER BED-7	FILTER BED-8	FILTER BED-9
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-203-07	LIT-203-08	LIT-203-09
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100	Multiranger 100
Description	FILTER BED-10	FILTER BED-11	FILTER BED-12
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-203-10	LIT-203-11	LIT-203-12
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	7ML5033IBA002A-Z
Type	Multiranger 100	Multiranger 100	Multiranger 100

LIST OF EQUIPMENT
WATER TREATMENT PLANT

PRESSURE TRANSMITTER FILTER BED			
Description	FILTER BED-1	FILTER BED-2	FILTER BED-3
	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER
Make	SIEMENS	SIEMENS	SIEMENS
Type	SITRANS P	SITRANS P	SITRANS P
Model No	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z
Tag No	PT-203-1	PT-203-2	PT-203-3
Description	FILTER BED-4	FILTER BED-5	FILTER BED-6
	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER
Type	SITRANS P	SITRANS P	SITRANS P
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z
Tag No	PT-203-4	PT-203-5	PT-203-6
Description	FILTER BED-7	FILTER BED-8	FILTER BED-9
	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER
Type	SITRANS P	SITRANS P	SITRANS P
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z
Tag No	PT-203-7	PT-203-8	PT-203-9
Description	FILTER BED-10	FILTER BED-11	FILTER BED-12
	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER
Type	SITRANS P	SITRANS P	SITRANS P
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z	7MF4033-1BA10-2AC6-Z
Tag No	PT-203-10	PT-203-11	PT-203-12
FILTER BED POSITIONERS			
Description	FILTER BED-1	FILTER BED-2	FILTER BED-3
	POSITIONER-1	POSITIONER-2	POSITIONER-3
Make	TYCO	TYCO	TYCO
Type	AVID SMARTCAL	AVID SMARTCAL	AVID SMARTCAL
Model No	SM-12DDOB	SM-12DDOB	SM-12DDOB
Serial No	W00385625/003	W00269417/009	W00324496103
Description	FILTER BED-4	FILTER BED-5	FILTER BED-6
	POSITIONER-4	POSITIONER-5	POSITIONER-6
Make	TYCO	TYCO	TYCO
Type	AVID SMARTCAL	AVID SMARTCAL	AVID SMARTCAL
Model No	SM-I2DDOB	SM-I1DDON	SM-I2DDOB
Serial No	W00324496/01	W00269417/011	W00324496/02
Description	FILTER BED-7	FILTER BED-8	FILTER BED-9
	POSITIONER-7	POSITIONER-8	POSITIONER-9
Make	TYCO	TYCO	TYCO
Type	AVID SMARTCAL	AVID SMARTCAL	AVID SMARTCAL
Model No	SM-I1DDON	SM-12DDON	SM-12DDON
Serial No	W00269417/010	W00387989/02	W00387989/01
Description	FILTER BED-10	FILTER BED-11	FILTER BED-12
	POSITIONER-10	POSITIONER-11	POSITIONER-12
Make	TYCO	TYCO	TYCO
Type	AVID SMARTCAL	AVID SMARTCAL	AVID SMARTCAL
Model No	SM-12DDOB	SM-I1DDOB	SM-I1DDON
Serial No	W00269417/013	W00269417/013	W00269417/005
Description	OVER HEAD TANK		
	POSITIONER		
Make	TYCO		
Type	AVID SMARTCAL		
Model No	SM-I1DDON		
Serial No	W00269417/006		

LIST OF EQUIPMENT
WATER TRETMENT PLANT

PRESSURE SWITCH FOR BLOWER HEADER LINE			
Description	High Switch	Low Switch	
	Pressure Switch	Pressure Switch	
Make	Switzer	Switzer	
Type	0.1-1.1 Kg / Sq.Cm	0.1-1.1 Kg / Sq.Cm	
Model No	GM_201-02-C1K-2B-S1	GM_201-02-C1K-2B-S1	
Serial No	PS2054E12	PS2055E12	
PRESSURE TRANSMITTER FOR BLOWER HEADER LINE			
Description	PRESSURE TRANSMITTER		
Type	SITRANS P		
Make	SIEMENS		
Model No	7MF4033-1BA10-2AC6-Z		
Tag No	PT-203-13		
O/H TANK LEVEL TRANSMITTER			
Description	OVER HEAD TANK-1	OVER HEAD TANK-2	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-203-13	LIT-203-14	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	
O/H TANK FLOW METER			
Description	FLOW TRANSMITTER-1		
Make	KROHNE MARSHALL		
Type	IFC021		
Model No	AQUAFLUX		
Serial No	1121262		
Size	DN600		
O/H TANK LEVEL SWITCH			
Description	OVER HEAD TANK-1	OVER HEAD TANK-2	
	LEVEL SWITCH	LEVEL SWITCH	
Make	TECHTROL	TECHTROL	
Model No	CNS-JN-1USP2	CNS-JN-1USP2	
Type	TLC-N	TLC-N	
WWRT LEVEL TRANSMITTER			
Description	WWRT-1	WWRT-2	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-208-1	LIT-208-2	
Make	SIEMENS	SIEMENS	
Model No	7ML5033IBA002A-Z	7ML5033IBA002A-Z	
Type	Multiranger 100	Multiranger 100	
WWRT LEVEL SWITCH			
Description	WWRT -1	WWRT-2	INLET SUMP
	LEVEL SWITCH-1	LEVEL SWITCH-2	LEVEL SWITCH-3
Make	TECHTROL	TECHTROL	TECHTROL
Model No	CNS-JN-1USP2	CNS-JN-1USP2	CNS-JN-1USP2
Type	TLC-N	TLC-N	TLC-N
SUPERNANT PUMP ACTUATOR VALVE			
Description	ACTUATOR-1	ACTUATOR-2	
Make	AUMA	AUMA	
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	
Type	AM63	AM63	
Tag No	BFV-208-7	BFV-208-8	

LIST OF EQUIPMENT
WATER TREATMENT PLANT

SUPERNANT PUMP OUTLET FLOW METER

Description	FLOW TRANSMITTER-1		
Make	KROHNE MARSHALL		
Type	IFC100		
Serial No	I187443-W		
Size	DN150		

SLUDGE PUMP ACTUATOR VALVE

Description	ACTUATOR-1	ACTUATOR-2	
Make	AUMA	AUMA	
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	
Type	AM63	AM63	
Tag No	KV-208-1	KV-208-2	

LIGHTING DISTRIBUTION BOARD

Description	LDB		
	Output-12No's		

10W,EMERGENCY LIGHT - 2 No's

Description	EMERGENCY LIGHT		
	LT Panel-1No		
	Filter gallery-1No		

2X28W FLUORESCENT LAMP FITTING - 100 No's

Description	2X28W FITTING		
	Compressor room -6No's		
	Filter gallery-42No's		
	LT Panel room-12No's		
	Hall-8No's		
	Filter bed-32No's		

2X36W CFL LAMP FITTING - 27 No's

Description	2X36W FITTING		
	CCR Room -8No's		
	Accounts Office room-2No's		
	Lab-11No's		
	Office room-6No's		

2X18W CFL LAMP FITTING - 4 No's

Description	2X18W FITTING		
	Office room-4No's		

150W,METAL HALIDE LAMP FITTING - 8 No's

Description	MH LAMP FITTINGS		
	Supernant Pump house -4No's		
	Elevated pump house-4No's		

250W,HPSV LAMP FITTING - 18 No's

Description	HPSV LAMP FITTINGS		
	Filter building outdoor-18No's		

1.50 TON AC - 4 No's

Description	1.50 TON AC
	Laboratory-2No's
	AEE, AE Room-2No's

2.0 TON AC - 5 No's

Description	2.0 TON AC
	Laboratory-2No's
	CCR Room-3No's

LIST OF EQUIPMENT
WATER TREATMENT PLANT

CEILING FAN - 19 No's

Description	Ceiling Fan		
Make	Usha		
	CCR Room-5No's		
	AEE Room-2No's		
	AE Room-2No's		
	Laboratory Room-6No's		
	Plant Manager Room-2No's		
	Accounts Room-2No's		

FIRE ALARM PANEL

Description	FIRE ALARM		
	Main Panel-4No's		
	Hooter-4No's		
	Smoke detector-41No's		

INTERCOM PANEL

Description	INTERCOM		
	Siemens Hipath EPABX System -1No		
	Intercom Phones -24No's		

CCTV SYSTEM

Description	CCTV		
	Camera-8No's		
	Video recorder-1No		
	Monitor-2No's		
	Joystick-1No		
	I-Ball CPU-1No		
	Keyboard-1No		
	Mouse-1No		

2. STARCH BUILDING

415V,LT INDOOR STARCH SYSTEM MCC PANEL

Description	INCOMER-1	INCOMER-2	
	Mixer-1	Mixer-2	
	Na-OH Feed Pump	Starch feed pump-2	
	Starch feed pump-1		

2X28W FLUORESCENT LAMP FITTING - 5 No's

Description	2X28W FITTING		
	Starch Building-5No's		

150W,HPSV LAMP STREET LIGHT FITTING - 4 No's

Description	STREET LIGHT FITTINGS		
	Starch Building-4No's		

EXHAUST FAN - 2 No's

Description	Exhaust Fan		
	Starch Building-2No's		

3. CHEMICAL BUILDING

415V,LT INDOOR CHEMICAL SYSTEM MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeder-8		Outgoing Feeder-8

LIST OF EQUIPMENT
WATER TRETMENT PLANT

CHEMICAL SYSTEM PLC PANEL

Description	PLC PANEL	
Make	WINTech	
Type	Rockwell Automation	

ALUM TANK LEVEL TRANSMITTER

Description	ALUM MIXER TANK-1	ALUM MIXER TANK-2	ALUM DOSING TANK
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	LEVEL TRANSMITTER
Tag No	LIT-212-1	LIT-212-2	LIT-212-3
Make	SIEMENS	SIEMENS	SIEMENS
Model No	7ML50331BA002A-Z	7ML50331BA002A-Z	7ML50331BA002A-Z
Type	Multiranger 100	Multiranger 100	Multiranger 100

ALUM TANK LEVEL SWITCH

Description	ALUM MIXER TANK -1	ALUM MIXER TANK-2	
	LEVEL SWITCH-1	LEVEL SWITCH-2	
Make	TECHTROL	TECHTROL	
Model No	CNS-JN-1USP2	CNS-JN-1USP2	
Type	TLC-N	TLC-N	

LEVEL SWITCH

Description	ALUM SATURATION TANK -1	ALUM SATURATION TANK-2	
	LEVEL SWITCH-1	LEVEL SWITCH-2	
Make	TECHTROL	TECHTROL	
Model No	CNS-JN-1USP2	CNS-JN-1USP2	
Type	TLC-N	TLC-N	

ALUM FLOW METER

Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2	
Make	KROHNE MARSHALL	KROHNE MARSHALL	
Type	IFC021	IFC021	
Model No	IFS4000	IFS4000	
Serial No	1120757	1120756	
Size	DN25	DN25	

LIME TANK LEVEL TRANSMITTER

Description	LIME TANK-1	LIME TANK-2	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-213-1A	LIT-213-1B	
Make	SIEMENS	SIEMENS	
Model No	7ML50331BA002A-Z	7ML50331BA002A-Z	
Type	Multiranger 100	Multiranger 100	

LIME SATURATION TANK FLOW METER

Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2	
Make	KROHNE MARSHALL	KROHNE MARSHALL	
Type	IFC021	IFC021	
Model No	IFS4000	IFS4000	
Serial No	I121418	I121419	
Size	DN50	DN50	

LIME TANK FLOW METER

Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2	
Make	KROHNE MARSHALL	KROHNE MARSHALL	
Type	IFC021	IFC021	
Model No	IFS4000	IFS4000	
Serial No	I120755	I120756	
Size	DN100	DN100	

LIGHTING DISTRIBUTION BOARD

LIST OF EQUIPMENT
WATER TREATMENT PLANT

Description	LDB		
	Output-4No's		
INTERNAL LIGHTING DISTRIBUTION BOARD			
Description	ILDB-1		
	Output-4No's		
VENTILATION FAN DISTRIBUTION BOARD			
Description	SPDB-1		
	Output-4No's		
VENTILATION FAN - 13 No's			
Description	VENTILATION FAN		
	LT panel Room-5No's		
	Ground Floor-8No's		
10W,EMERGENCY LIGHT			
Description	EMERGENCY LIGHT		
	LT Panel-1No		
2X28W FLUORESCENT LAMP FITTING - 38 No's			
Description	2X28W FITTING		
	LT Panel -15No's		
	Ground Floor-23No's		
250W,HPSV LAMP FITTING - 4 No's			
Description	HPSV LAMP FITTINGS		
	outdoor-4No's		

WALL MOUNTED FAN

Description	Wall Mounted Fan
Make	Usha
	Operator Room-1No

FIRE ALARM PANEL

Description	FIRE ALARM	
	Main Panel-1No	
	Hooter-2No's	
	Smoke detector-30No's	

4. SLUDGE HANDLING SYSTEM

415V,LT INDOOR SLUDGE HANDLING SYSTEM MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeder-9		Outgoing Feeder-9

CAPACITOR PANEL

Description	CAPACITOR BANK		
Make	Epcos		
Rating	60KVAR		
Voltage	415V		

SLUDGE HANDLING SYSTEM PLC PANEL

Description	PLC PANEL		
Make	WINTech		
Type	Rockwell Automation		

LIST OF EQUIPMENT
WATER TREATMENT PLANT

SBT LEVEL TRANSMITTER

Description	SLUDGE BALANCING TANK-1	SLUDGE BALANCING TANK-2	
	LEVEL TRANSMITTER	LEVEL TRANSMITTER	
Tag No	LIT-210-1	LIT-210-2	
Make	SIEMENS	SIEMENS	
Model No	7ML50331BA002A-Z	7ML50331BA002A-Z	
Type	Multiranger 100	Multiranger 100	

SBT LEVEL SWITCH

Description	SLUDGE BALANCING TANK-1	SLUDGE BALANCING TANK-2	
	LEVEL SWITCH-1	LEVEL SWITCH-2	
Make	TECHTROL	TECHTROL	
Model No	CNS-JN-1USP2	CNS-JN-1USP2	
Type	TLC-N	TLC-N	

THICKNER FLOW METER

Description	THICKNER INLET-1	THICKNER INLET-2	
Make	KROHNE MARSHALL	KROHNE MARSHALL	
Type	IFC021	IFC021	
Model No	IFS4000	IFS4000	
Serial No	1121251	1121252	
Size	DN150	DN150	

PNEMAUTIC ACTUATOR VALVE IN THICKENER OUTLET

Description	THICKENER - 1	THICKENER - 2	
Make	ROTEX	ROTEX	
Model No	EFC 50	EFC 50	
Valves	1No	1No	

2X28W FLUORESCENT LAMP FITTING - 4 No's

Description	2X28W FITTING		
	Screw Pump house-4No's		

150W,HPSV LAMP STREET LIGHT FITTING - 4 No's

Description	STREET LIGHT FITTINGS		
	Sludge Balancing Tank-2No's		
	Sludge Thickener-2No's		

5. CHLORINE BUILDING

415V,LT INDOOR CHLORINE MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing feeders-3		Outgoing feeders-3

INTERNAL & EXTERNAL LIGHTING DISTRIBUTION BOARD

Description	ELDB-1		
	Output-4No's		

LIGHTING DISTRIBUTION BOARD

Description	ILDB-1		
	Output-4No's		

10W,EMERGENCY LIGHT

Description	EMERGENCY LIGHT		
	LT Panel-1No		

2X28W FLUORESCENT LAMP FITTING - 9 No's

Description	2X28W FITTING		
	LT Panel -4No's		
	Pump room-5No's		

LIST OF EQUIPMENT
WATER TREATMENT PLANT

150W,METAL HALIDE LAMP FITTING - 6 No's			
Description	MH LAMP FITTINGS		
	Pump house indoor-6No's		
250W,HPSV LAMP FITTING - 3 No's			
Description	HPSV LAMP FITTINGS		
	outdoor-3No's		
FIRE ALARM PANEL			
Description	FIRE ALARM		
	Main Panel-1No		
	Hooter-1No		
	Smoke detector-14No's		
PRESSURE SWITCH & LEAK SENSOR			
Description	Pressure Switch-2No's		
	Leak Sensors-6No's		
	Leak Detector-6No's		
	Hooter-3No's		
6. CLARIFIER BUILDING			

415V,LT INDOOR CLARIFIER MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing feeders-3		Outgoing feeders-3

CLARIFIER SLUDGE PUMP STARTER PANEL

Description	SLUDGE PUMP STARTER-1	SLUDGE PUMP STARTER-1	
Make	BEAM ENGINEERS	BEAM ENGINEERS	
Pump Model No	KDS 4MS 100	KDS 4MS 100	
Type	SUBMERSIBLE PUMP	SUBMERSIBLE PUMP	
Starter	DOL	DOL	
HP	5HP	5HP	

LEVEL SWITCH FOR CLARIFIER SLUDGE PUMP

Description	SLUDGE TANK		
	LEVEL SWITCH		
Make	TECHTROL		
Model No	CNS-JN-1USP2		
Type	TLC-N		

CLARIFIER SYSTEM MAIN PLC PANEL

Description	PLC PANEL		
Make	WINTECH		
Type	Rockwell Automation		

CLARIFIER SYSTEM INDIVIDUAL PLC PANEL

Description	PLC PANEL-1(CLARIFIER-1-4)	PLC PANEL-2(CLARIFIER-5-8)	
Make	WINTECH	WINTECH	
Type	Rockwell Automation	Rockwell Automation	

CLARIFIER SYSTEM CONTROL DESK PANEL

Description	CONTROL DESK-1(CLARIFIER-1-4)	CONTROL DESK-1(CLARIFIER-5-8)	
Make	WINTECH	WINTECH	
Type	Rockwell Automation	Rockwell Automation	

PNEMAUTIC ACTUATOR VALVE

Description	CLARIFIER-1	CLARIFIER-2	CLARIFIER-3
Make	ROTEX	ROTEX	ROTEX
Model No	EFC 50	EFC 50	EFC 50
Valves	12No's	12No's	12No's

LIST OF EQUIPMENT
WATER TRETMENT PLANT

Description	CLARIFIER-4	CLARIFIER-5	CLARIFIER-6
Make	ROTEX	ROTEX	ROTEX
Model No	EFC 50	EFC 50	EFC 50
Valves	12No's	12No's	12No's
Description	CLARIFIER-7	CLARIFIER-8	
Make	ROTEX	ROTEX	
Model No	EFC 50	EFC 50	
Valves	12No's	12No's	

CLARIFIER OUTLET FLOW METER

Description	FLOW TRANSMITTER		
Make	KROHNE MARSHALL		
Type	IFC300		
Model No	CG30011GAC		
Serial No	I121840		
Size	DN1600		

LIGHTING DISTRIBUTION BOARD

Description	ILDB-1		
	Output-3No's		

2X28W FLUORESCENT LAMP FITTING - 42 No's

Description	2X28W FITTING		
	PLC Panel -2No's		
	Gallery-40No's		

250W,HPSV LAMP FITTING - 6 No's

Description	HPSV LAMP FITTINGS		
	outdoor-6No's		

150W,HPSV LAMP STREET LIGHT FITTING - 68 No's

Description	STREET LIGHT FITTINGS
	outdoor-68No's

STAFF QUARTERS

Description	A Quarters	B - 1 Quarters	B - 2 Quarters
Ceiling Fan	4 No's	3 No's	3 No's
Tube Light	5 No's	4 No's	4 No's
CFL	5 No's	4 No's	4 No's
Water Heater	3 No's	1 No	1 No

Description	B - 3 Quarters	B - 4 Quarters
Ceiling Fan	4 No's	3 No's
Tube Light	5 No's	4 No's
CFL	5 No's	4 No's
Water Heater	1 No	1 No

SECURITY CABIN

Description	SECURITY CABIN
Ceiling Fan	1 No
Tube Light	1 No
CFL	1 No

LIST OF EQUIPMENT
MASTER BALANCING RESERVIOR

Butter fly valve for MBR inlet

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	1500MM	1500MM
PN Rating	PN-16	PN-16

Dismantling joint for MBR inlet

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	1500MM	1500MM
PN Rating	PN-16	PN-16

Butter fly valve for MBR outlet

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	1500MM	1500MM
PN Rating	PN-10	PN-10

Dismantling joint for MBR outlet

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	1500MM	1500MM
PN Rating	PN-10	PN-10

Butter fly valve for MBR outlet

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	1000MM	1000MM
PN Rating	PN-10	PN-10

Dismantling joint for MBR outlet

Description	Dismantling joint No:1	Dismantling joint No:2
Dia	1000MM	1000MM
PN Rating	PN-10	PN-10

Butter fly valve for Flow meter bypass

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	1500MM	1500MM	1500MM
PN Rating	PN-10	PN-10	PN-10

LIST OF EQUIPMENT
MASTER BALANCING RESERVIOR

Dismantling joint for Flow meter bypass

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	1500MM	1500MM	1500MM
PN Rating	PN-10	PN-10	PN-10

Dismantling joint for Flow meter

Description	Dismantling joint No:1
Dia	1500MM
PN Rating	PN-10

Butter fly valve for Flow meter bypass

Description	Butter Fly Valve No:1	Butter Fly Valve No:2	Butter Fly Valve No:3
Make	Tyco valves	Tyco valves	Tyco valves
Dia	1000MM	1000MM	1000MM
PN Rating	PN-10	PN-10	PN-10

Dismantling joint for Flow meter bypass

Description	Dismantling joint No:1	Dismantling joint No:2	Dismantling joint No:3
Dia	1000MM	1000MM	1000MM
PN Rating	PN-10	PN-10	PN-10

Dismantling joint for Flow meter

Description	Dismantling joint No:1
Dia	1000MM
PN Rating	PN-10

Butter fly valve for MBR Drain

Description	Butter Fly Valve No:1	Butter Fly Valve No:2
Make	Tyco valves	Tyco valves
Dia	300MM	300MM
PN Rating	PN-10	PN-10

Dewatering Pump Details

Dewatering Pump : 2 Nos	
Make	CRI
Capacity	1.50 Hp
Model	SS030IF/IIT2
RPM	2900

LIST OF EQUIPMENT
MASTER BALANCING RESERVOIR

415V,LT INDOOR MCC PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Capacitor bank-1		Capacitor bank-2
	Inlet Valve-1		Inlet Valve-2
	Outlet Valve-1		Outlet Valve-2
	Outlet Valve-1A		Outlet Valve-2A
	UPS-1		UPS-2
	Service Panel-1		Service Panel-2

CAPACITOR PANEL

Description	CAPACITOR BANK		
Make	Epcos		
Rating	30KVAR		
Voltage	415V		

415V,LT INDOOR BUILDING SERVICES DISTRIBUTION PANEL

Description	INCOMER-1	BUSCOUPLER	INCOMER-2
	Outgoing Feeders-5No's		Outgoing Feeders-5No's

3KVA,UPS

Description	UPS-1	UPS-2	
Make	SU-KAM	SU-KAM	
Type	SMX-10000XL	SMX-10000XL	
KVA	3KVA	3KVA	
Input Voltage	230V,AC,50HZ	230V,AC,50HZ	
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A	
Year of Manufacture	2012	2012	

12V,40AH,LEAD ACID BATTERIES

Description	BATTERY-20No's		
Make	NANDINI		
Model	TUBULAR		
Type	Lead Acid Battery		
Volt/AH	12/40AH		

MBR PLC PANEL

Description	PLC PANEL		
Make	WINTECH		
Type	Rockwell Automation		

415V,ACTUATOR VALVE

Description	INLET VALVE -1	INLET VALVE -2	
Make	AUMA	AUMA	
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	
Type	AM71	AM71	
Tag No	BFV-414-01	BFV-414-02	

Description	1000dia OUTLET VALVE-1	1000dia OUTLET VALVE-1A	
Make	AUMA	AUMA	
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	
Type	AM71	AM71	
Tag No	BFV-404-01	BFV-404-02	
Description	1500dia OUTLET VALVE-2	1500dia OUTLET VALVE-2A	
Make	AUMA	AUMA	
Model No	3WD/EPAC/1.1-21494	3WD/EPAC/1.1-21494	
Type	AM71	AM71	
Tag No	BFV-404-03	BFV-404-04	

LIST OF EQUIPMENT
MASTER BALANCING RESERVOIR

LEVEL TRANSMITTER

Description	MBR TANK-1		
	LEVEL TRANSMITTER		
Tag No	LIT-401-1		
Make	SIEMENS		
Model No	7ML5033IBA002A-Z		
Type	Multiranger 100		

Description	MBR TANK-2		
	LEVEL TRANSMITTER		
Tag No	LIT-402-1		
Make	SIEMENS		
Model No	7ML5033IBA002A-Z		
Type	Multiranger 100		

FLOW METER

Description	1000dia FLOW METER	1500dia FLOW METER	
Make	KROHNE MARSHALL	KROHNE MARSHALL	
Type	IFC021	IFC300	
Model No	AQUAFLUX	IFS4000	
Serial No	1121838	121839	
Size	DN1000	DN1500	

EXTERNAL LIGHTING DISTRIBUTION BOARD

Description	ELDB-1		
	Output-4No's		

INTERNAL LIGHTING DISTRIBUTION BOARD

Description	ILDB-1		
	Output-4no's		

10W,EMERGENCY LIGHT

Description	EMERGENCY LIGHT		
	LT Panel-1No		

2X28W FLUORESCENT LAMP FITTING - 18 No's

Description	2X28W FITTING		
	LT Panel -4No's		
	PLC Panel room-4No's		
	Office room-10No's		

250W,HPSV LAMP FITTING - 8 No's

Description	HPSV LAMP FITTINGS		
	Tank outdoor-8No's		

150W,HPSV LAMP STREET LIGHT FITTING - 29 No's

Description	HPSV LAMP FITTINGS		
	outdoor-29No's		

1.50 TON AC - 2 No's

Description	1.50 TON AC
	Opearator Room-1No
	AEE Room-1No

LIST OF EQUIPMENT
MASTER BALANCING RESERVOIR

WALL MOUNTED FAN

Description	Wall Mounted Fan
Make	Usha
	Opearator Room-1No

FIRE ALARM PANEL

Description	FIRE ALARM		
	Main Panel-1No		
	Hooter-1No's		
	Smoke detector-8No's		

INTERCOM PANEL

Description	INTERCOM		
	Power Ethernet Switch -1No		
	IP Phones-4No's		

CCTV SYSTEM

Description	CCTV		
	Camera-2No's		
	Video recorder-1No		
	Monitor-1No		

STAFF QUARTERS

Description	A Quarters	B - 1 Quarters	B - 2 Quarters
Ceiling Fan	4 No's	3 No's	3 No's
Tube Light	5 No's	4 No's	4 No's
CFL	5 No's	4 No's	4 No's
Water Heater	3 No's	1 No	1 No

Description	B - 3 Quarters	B - 4 Quarters
Ceiling Fan	4 No's	3 No's
Tube Light	5 No's	4 No's
CFL	5 No's	4 No's
Water Heater	1 No	1 No

SECURITY CABIN

Description	SECURITY CABIN
Ceiling Fan	1 No
Tube Light	1 No
CFL	1 No

LIST OF EQUIPMENT

CENTRAL CONTTROL ROOM

1. CCR AT DATA CENTRE (DC @ WTP SITE)

OPERATING SYSTEM - 3 No's

Description	Operating Station- 1	Operating Station- 2	EngineersStation
Make	HP	HP	HP
Model	HP Pro 3090 MT	HP Pro 3090 MT	HP Pro 3090 MT
Product No	LE073PA#ACJ	LE073PA#ACJ	LE073PA#ACJ
Serial No	INA206ZTLT	INA204ZSHS	INA206ZTH5

SERVER - 3 No's

Description	Server -1	Server -2	Server -3
Make	IBM	IBM	IBM
Model	System x3400 M3	System x3400 M3	System x3400 M3
IMM	23S3440B5926CE9	23S3440B59268D5	23S3440B59268E8
Serial No	7379QRL-06CWWP9	7379QRL-06CWWP6	7379QRL-06CWWR0

LED MONITOR - 8 No's

Description	Operating Station- 1	Operating Station- 1	EngineersStation
Make	HP	HP	HP
Model	HP COMPAQ LE2202X	HP COMPAQ LE2202X	HP COMPAQ LE2202X
Serial No	CNT228F5F5	3CQ2520F03	3CQ2291VLJ
Description	Operating Station- 2	Operating Station- 2	Server -1
Make	HP	HP	HP
Model	HP COMPAQ LE2202X	HP COMPAQ LE2202X	HP COMPAQ LE2202X
Serial No	CNT22852MK	CNT22852P1	CNT22852P4
Description	Server -2	Server -3	
Make	HP	HP	
Model	HP COMPAQ LE2202X	HP COMPAQ LE2202X	
Serial No	CNT228F5F5	CNT22852NF	

COMPUTER ACCESSORIES

Description	Keyboard-6No's		
	Mouse-6No's		

HARD DISK - 3 No's

Description	Server -1	Server -2	Server -3
Make	I-Ball	I-Ball	I-Ball
Model	8 TB	8 TB	8 TB
Serial No	A22CC120047	A2AB41001A	A22DW311281

PRINTER - 2 No's

Description	Printer -1	Printer -2	
Make	HP	HP	
Model	OFFICE JET 7000 WIDE FORMAT	LASER JET CP 1025	
Serial No	MY27K112N2	LT3945CN61	

ROUTER - 2 No's

Description	VSAT ROUTER	GSM ROUTER	
Make	CISCO	CISCO	
Model	CISCO 3945	CISCO 3945	
Serial No	DNP3927FX2	DNP4284DZ3	

LIST OF EQUIPMENT
CENTRAL CONTROL ROOM

CONTROL DESK - 1 No			
Description	Control Desk		
Make	WINTECH		

84 INCH LCD MONITOR

Description	84 Inch Monitor		
Make	LG		
Model	84WS70MS		
Serial No	507KCVU7W311		

PROJECTOR

Description	Projector		
Make	Sharp		
Model	PG-LX3000		
Serial No	211911288		

2. CCR AT DISASTER RECOVERY SITE (DRS @ CE OFFICE)

OPERATING SYSTEM - 3 No's

Description	Operating Station- 1	Operating Station- 2	CCTV MONITORING SYSTEM
Make	HP	HP	I-BALL
Model	HP Pro 3090 MT	HP Pro 3090 MT	I-BALL 210
Product No	LE073PA#ACJ	LE073PA#ACJ	XSER67298
Serial No	INA204FXTEA	INA204TPQOR	1048SA01689

LED MONITOR - 3 No's

Description	Operating Station- 1	Operating Station- 2	CCTV MONITORING SYSTEM
Make	HP	HP	I-BALL
Model	HP COMPAQ LE2202X	HP COMPAQ LE2202X	A0CJUA2
Serial No	CNT228XY87	CNT228PR02	C3102371

COMPUTER ACCESSORIES

Description	Keyboard-3No's		
	Mouse-3No's		

ROUTER - 2 No's

Description	VSAT ROUTER	GSM ROUTER	
Make	CISCO	CISCO	
Model	CISCO 3945	CISCO 3945	
Serial No	DNP3927VR45	DNP3927WI02	

3KVA,UPS

Description	UPS-1	UPS-2	
Make	SU-KAM	SU-KAM	
Type	SMX-10000XL	SMX-10000XL	
KVA	3KVA	3KVA	
Input Voltage	230V,AC,50HZ	230V,AC,50HZ	
Output Voltage	230V,AC,50HZ,43A	230V,AC,50HZ,43A	
Year of Manufacture	2012	2012	

12V,45AH,LEAD ACID BATTERIES

Description	BATTERY-20No's		
Make	ROCKET		
Model	ESC-45-12		
Type	Lead Acid Battery		
Volt/AH	12/45AH		

LIST OF EQUIPMENT
CENTRAL CONTROLLING ROOM

UPS DISTRIBUTION BOARD

Description	UPS DB
	Output-4No's

PLC PANEL

Description	PLC PANEL		
Make	WINTECH		
Type	Rockwell Automation		

CONTROL DESK - 1 No

Description	Control Desk		
Make	WINTECH		

PROJECTOR

Description	Projector		
Make	Sharp		
Model	PG-LX3000		
Serial No	211911291		

1.50 TON AC - 2 No's

Description	1.50 TON AC
	Operator Room-2No's

2X18W CFL LAMP FITTING

Description	2X18W FITTING		
	Office room-6No's		

CEILING FAN

Description	Ceiling Fan
	Operator Room-2No's

INTERCOM PANEL

Description	INTERCOM
	Power Ethernet Switch -1No
	IP Phones-4No's

LIST OF LABORATORY EQUIPMENT

S. No.	Item	Model No.	Make	Unit	Qty.
A	Lab Equipments				
1	1 CM cell holder for Spectrophotometer	Cat No-2095100	Hach	No's	2
2	12 L Induction Stove	PIC 3.0 V2	Prestige	No's	1
3	12 L Pressure Cooker	Prestige	Prestige	No's	1
4	14 x 14 x 14 Hot Air Oven	PSI	PSI	No's	1
5	200 L Refrigerator	GL 225 BEDG5	LG	No's	1
6	50 MM cell holder for Spectrophotometer	Cat No-2629250	Hach	Set	2
7	Analytical Balance 0.1mg-220g	Cy204	Citizen	No's	1
8	Buchner Funnel	NA	NA	No's	1
9	Color test kit	Cat No-223400	Hach	No's	1
10	Dedicated Hq series conductivity meter with Probe	Cat No-HQ14D + CDC40101	Hach	Set	1
11	Dedicated Hq series pH meter with pH gel Probe	Hq11D + PHC 101	Hach	Set	1
12	Deionization unit (10 L/Hour)	PSI-044	PSI	No's	1
13	Desk Top Digital pH Meter.	Model: 362	Systronics	No's	1
14	Desk Top Digital Electro-Conductivity Meter.	Model: 308	Systronics	No's	1
15	Double pan weighing balance	NA	KeRoy	No's	1
16	Glass Fiber Filter	NA	NA	No's	1
17	Glass viewing sample cell (6 per pocket)	Cat No-173006	Hach	No's	42
18	Incubator with digital temperature 450 x 450 x 450 mm	PSI-010	PSI	No's	1
19	Jar test apparatus (Flocculator)	PSI-050	PSI	No's	1
20	Kitasato flask 1L	Class-A	Borosil	No's	1
21	Magnetic stirrer with Hot plate	PSI-051	PSI	No's	1
22	Membrane Filter 5 cm, 45 µm dia	170047R	Axiva	Box	2
23	Micro Filtration Unit	PSI-064	PSI	No's	1
24	Spare pH gel Probe	PHC 101	Hach	No's	1
25	Spare Tungsten Lamp for Spectrophotometer	Cat No-LZV565	Hach	No's	1
26	Spectrophotometer (DR3900)	Cat No-LPV4409900002	Hach	No's	1
27	Turbidity meter 0-10000 NTU	2100AN/700102	Hach	No's	1
28	Vaccum Pump 25 L	Single Stage	Farcovac	No's	1
29	Vertical autoclave 250 x 450 mm	PSI-001	PSI	No's	1
B	Glasswares				
1	1 MI Pipettes	Code:7060	Borosil	No's	10
2	10 L Aspirator	Code:1245	Borosil	No's	1
3	10 L plastic bucket	NA	NA	No's	4
4	10 L Volume Dessicator	Code:3082	Borosil	No's	1
5	10 MI Pipette bulb	Code:7102	Borosil	No's	2
6	10 MI Pipettes	Code:7060	Borosil	No's	10
7	100 MI Lowform Beaker	Code:1000	Borosil	No's	5
8	100 MI Mesuring cylinder	Code:3022	Borosil	No's	5
9	100 MI Nessler tube	Code:2975	Borosil	No's	5
10	100 MI Nessler tube Racks	NA	NA	No's	2
11	100 ML tallform beaker	Code:1060	Borosil	No's	10
12	100 MI volumetric flask	Code:5641	Borosil	No's	5

LIST OF LABORATORY EQUIPMENT

S. No.	Item	Model No.	Make	Unit	Qty.
13	1000 MI Lowform Beaker	Code:1000	Borosil	No's	3
14	1000 MI Mesuring cylinder	Code:3022	Borosil	No's	2
15	1000 ML screw cap sample bottles	Code:1501	Borosil	No's	10
16	1000 ML tallform beaker	Code:1060	Borosil	No's	15
17	1000 MI volumetric flask	Code:5641	Borosil	No's	5
18	15 Cm Whatman Filter Paper (No 42)	FP	Whatman	Box	10
19	15 Cm Whatman Filter Paper (No1)	FP	Whatman	Box	10
20	2 MI Pipettes	Code:7060	Borosil	No's	10
21	20 L Aspirator	Code:1245	Borosil	No's	1
22	200 MI volumetric flask	Code:5641	Borosil	No's	5
23	2000 MI Lowform Beaker	Code:1000	Borosil	No's	2
24	25 MI Mesuring cylinder	Code:3022	Borosil	No's	5
25	25 MI Pipette bulb	Code:7102	Borosil	No's	2
26	250 MI Lowform Beaker	Code:1000	Borosil	No's	5
27	250 ML tallform beaker	Code:1060	Borosil	No's	5
28	250 MI volumetric flask	Code:5641	Borosil	No's	5
29	5 MI Pipettes	Code:7060	Borosil	No's	10
30	50 MI Burette	Code:2122	Borosil	No's	4
31	50 MI Mesuring cylinder	Code:3022	Borosil	No's	5
32	50 MI Nessler tube	Code:2975	Borosil	No's	20
33	50 MI Nessler tube Racks	NA	NA	No's	5
34	500 ML screw cap sample bottles	Code:1501	Borosil	No's	10
35	500 MI volumetric flask	Code:5641	Borosil	No's	5
36	500 ML wash bottle	Code:166P	Borosil	No's	5
37	125 ML sample bottle	PP	Polylab	No's	10
38	250 ML sample bottle	PP	Polylab	No's	10
39	500 ML sample bottle	PP	Polylab	No's	20
40	600 MI Lowform Beaker	Code:1000	Borosil	No's	5
41	75 mm Plain glass funnel	Code:6140	Borosil	No's	10
42	Bunsen burner with stop cock	NA	NA	No's	1
43	Forceps SS 10"	NA	NA	No's	1
44	Forceps SS 6"	NA	NA	No's	1
45	Forceps SS 8"	NA	NA	No's	1
46	Glass Evaporation dish	80 X 45 mm	Borosil	No's	10
47	Hydrometer 1.000-1.200	192200	Hach	No's	5
48	Pipette Filler	NA	Borosil	No's	20
49	Pipette Pump	25 ml	Polylab	No's	2
50	Pipette stand	Horizontal	NA	No's	2
51	Separating funnel holder	NA	NA	No's	2
52	Retort stan base (SS) 210 x 130 x 8 mm	NA	NA	No's	2
53	Retort stand boss and clamp	NA	NA	No's	5
54	Spatula SS 4"	NA	NA	No's	2
55	Spatula SS 6"	NA	NA	No's	2
56	Spatula SS 8"	NA	NA	No's	2

LIST OF LABORATORY EQUIPMENT

S. No.	Item	Model No.	Make	Unit	Qty.
57	Thermometer 110 °C	NA	Dimple	No's	1
58	Wall Thermometer	NA	Dimple	No's	1
C	Online Analysers				
1	Online Free chlorine analyser- CL 17 (Dosed Water)	CL 17 (120700448917)	HACH	NO'S	1
2	Online Free chlorine analyser- CL 17 (Treated Water)	CL 17 (120700448520)	HACH	NO'S	1
3	Online pH meter (Raw Water)	Model 33 (1207481483)	GLI (HACH)	NO'S	1
4	Online pH meter (Treated Water)	Model 33 (1207481485)	GLI (HACH)	NO'S	1
5	Online Total chlorine analyser- CL 10 (Dosed Water)	CL 10 (120745000246)	HACH	NO'S	1
6	Online Total chlorine analyser- CL 10 (Treated Water)	CL 10 (120745000243)	HACH	NO'S	1
7	Online Turbidity meter (Clarified Water)	1720 E (1206C005335)	HACH	NO'S	1
8	Online Turbidity meter (Filtered Water)	1720 E (1206C0043247)	HACH	NO'S	1
9	Online Turbidity meter (Raw Water)	1720 E (1206C0043246)	HACH	NO'S	1
10	Online Turbidity meter (Treated Water)	1720 E (1206C0053337)	HACH	NO'S	1

LIST OF FLOWMETERS

RAW WATER PUMPING STATION

FLOW METER		
Description	FLOW TRANSMITTER	
Make	KROHNE MARSHALL	
Type	IFC21	
Model No	AQUAFLUX	
Serial No	I121127	
Size	DN1200	

LIST OF FLOWMETERS

WATER TRETMENT PLANT

TREATED WATER OUTLET		
Description	FLOW TRANSMITTER	
Make	KROHNE MARSHALL	
Type	IFC100W	
Serial No	I16404743-C	
Size	DN1200	
FILTER BUILDING O/H TANK FLOW METER		
Description	FLOW TRANSMITTER-1	
Make	KROHNE MARSHALL	
Type	IFC021	
Model No	AQUAFLUX	
Serial No	1121262	
Size	DN600	
SUPERNANT PUMP OUTLET FLOW METER		
Description	FLOW TRANSMITTER-1	
Make	KROHNE MARSHALL	
Type	IFC100	
Serial No	I187443-W	
Size	DN150	
ALUM FLOW METER		
Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2
Make	KROHNE MARSHALL	KROHNE MARSHALL
Type	IFC021	IFC021
Model No	IFS4000	IFS4000
Serial No	1120757	1120756
Size	DN25	DN25
LIME SATURATION TANK FLOW METER		
Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2
Make	KROHNE MARSHALL	KROHNE MARSHALL
Type	IFC021	IFC021
Model No	IFS4000	IFS4000
Serial No	I121418	I121419
Size	DN50	DN50
LIME TANK FLOW METER		
Description	FLOW TRANSMITTER-1	FLOW TRANSMITTER-2
Make	KROHNE MARSHALL	KROHNE MARSHALL
Type	IFC021	IFC021
Model No	IFS4000	IFS4000
Serial No	I120755	I120756
Size	DN100	DN100

THICKNER FLOW METER		
Description	THICKNER INLET-1	THICKNER INLET-2
Make	KROHNE MARSHALL	KROHNE MARSHALL
Type	IFC021	IFC021
Model No	IFS4000	IFS4000
Serial No	1121251	1121252
Size	DN150	DN150
CLARIFIER OUTLET FLOW METER		
Description	FLOW TRANSMITTER	
Make	KROHNE MARSHALL	
Type	IFC300	
Model No	CG30011GAC	
Serial No	I121840	
Size	DN1600	

LIST OF FLOWMETERS

BOOSTER PUMPING STATION

FLOW METER	
Description	FLOW TRANSMITTER
Make	KROHNE MARSHALL
Type	IFC21
Model No	IFS4000
Serial No	1120756
Size	DN1200

LIST OF FLOWMETERS

MASTER BALANCING RESERVOIR

FLOW METER		
Description	1000dia FLOW METER	1500dia FLOW METER
Make	KROHNE MARSHALL	KROHNE MARSHALL
Type	IFC021	IFC300
Model No	AQUAFLUX	IFS4000
Serial No	1121838	121839
Size	DN1000	DN1500

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Pennagaram

Individual Test Report

Location:		Madam
Booster Pumping Station - Pumping to Koothapadi		
Discharge - 1258 lpm X 37 m	HP- 25	Pumpset - HSC (1+1)
Booster Pumping Station - Pumping to Pennagaram town panchayat		
Discharge - 583 lpm X 30 m	HP- 20	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471803	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100164
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120360	4RE E3139340
		4SE E1112063	4SE E1114298
		4TE E1120671	4SE E1111356
		4TE E1116566	4RE E1087693

Union Reservoir at Madam		
Sump Capacity - 5.00 LL	Storage Depth- 5.15 m	Total Depth - 5.75 m
Make - Rockwell Automation	PLC Panel Serial No: 100471802	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100282
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112999	4TE E1124623
		4SE E1112360	4RE E3139644
		4TE E1120539	4RE E3139290
		4SE E1112947	4RE E109646

Tapping Point at Madam	
Make - Rockwell Automation	PLC Panel Serial No: 100475943

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1306100109
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547575	4TE E1547427
		4TE E1546944	4TE E1547849
		4TE E1547100	4TE E1547843
		4TE E1547845	4TE E1547549

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 300	I120954	Inlet to Sump	4416	265	5155	309
200 DI	DN 150	I120973	Outlet - Koothapadi	1092	65.52	1272	76.32
200 HDPE	DN 150	I120409	Outlet - Pennagaram	1196	71.76	1416	84.96

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02465
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526AD
a) Level Switch	1	Router GSM Sr. No : FGL163525ZY
a) Pressure Transmitter	11 (2X5)	GSM Mobile No : 7598399218

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Pennagaram

Individual Test Report

Location:		Konangihalli
Union Reservoir at Konangihalli		
MBR Capacity - 1.00 LL	Storage Depth- 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100471804	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100291
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E3139334	4RE E1098439
		4TE E1118623	4TE E1121890
		4RE E3139619	4RE E3139362
		4SE E1111267	4RE E3139289

Tapping Point at Konangihalli	
Make - Rockwell Automation	PLC Panel Serial No: 100475941

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1306100115
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1546854	4TE E1546945
		4TE E1547782	4TE E1543509
		4TE E1548879	4SE E1528019
		4TE E1550091	4SE E1541811

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 100	I120966	Inlet to MBR	750	45	877	52.62

				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01828			
a) Level Transmitter			2	Router VSAT Sr. No : FGL16352672			
a) Level Switch			1	Router GSM Sr. No : FGL163525Z7			
a) Pressure Transmitter			1	GSM Mobile No : 7598398032			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Pennagaram

Individual Test Report

Location:	Indur
Tapping Point at Indur	
Make - Rockwell Automation	PLC Panel Serial No: 100475929

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100038
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1545606	4XE E2188599
		4TE E1547278	4TE E1550089
		4SE E1528857	4TE E1547058
		4TE E1546872	4TE E1547458

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 DI	DN 125	I120964	Inlet	655	39.3	764	45.84

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01898	
a) Level Transmitter		Router VSAT Sr. No : FGL1635267Y	
a) Level Switch		Router GSM Sr. No : FGL16352603	
a) Pressure Transmitter	1	GSM Mobile No : 7598398035	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Athagapadi
Union Reservoir at Athagapadi		
MBR Capacity - 2.00 LL	Storage Depth- 3.65 m	Total Depth - 3.95 m
Make - Rockwell Automation	PLC Panel Serial No: 100458544	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100549
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120324	4RE E1096092
		4TE E1118561	4TE E1121884
		4RE E1098058	4SE E1114278
		4TE E1123408	4RE E3139276

Tapping Point at Athagapadi	
Make - Rockwell Automation	PLC Panel Serial No: 100475933

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L130610007
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Battery - 8 Nos Capacity : 42AH	Sr.No	4RE E1521020	4TE E1544984
		4TE E1542677	4WE E1630106
		4TE E1547567	4TE E1547667
		4TE E1547571	4TE E1547062

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

200 DI	DN 150	I120946	Inlet to MBR	1007	60.42	1180	70.80
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02684			
a) Level Transmitter			2	Router VSAT Sr. No : FGL16352673			
a) Level Switch			1	Router GSM Sr. No : FGL16352608			
a) Pressure Transmitter			1	GSM Mobile No : 7598398057			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:	Sogathur Kutt Road
Tapping Point at Sogathur Kutt Road	
Make - Rockwell Automation	PLC Panel Serial No: 100475947

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1303100219
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547277	4TE E1547902
		4TE E1547507	4TE E1546833
		4TE E1546865	4TE E1547481
		4TE E1550274	4TE E1547280

Flow meters/Flow Converters				Make - M/s Khrona Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
500 DI	DN 300	I120396	Inlet	3529	211.74	4114	246.84

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02180	
a) Level Transmitter	—	Router VSAT Sr. No : FGL1635267Q	
a) Level Switch	—	Router GSM Sr. No : FGL163526AN	
a) Pressure Transmitter	1	GSM Mobile No : 7598398137	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:	Lakkampatti-II
Tapping Point at Lakkampatti-II	
Make - Rockwell Automation	PLC Panel Serial No: 100475951

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100114
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1540178	4SE E1542061
		4TE E1545582	4TE E1547780
		4TE E1546832	4TE E1547841
		4TE E1549468	4TE E1547332

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 DI	DN 125	1120402	Inlet	134	8.04	156	9.36

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6SO2840	
a) Level Transmitter	—	Router VSAT Sr. No : FGL1635257T	
a) Level Switch	—	Router GSM Sr. No : FGL163565JL	
a) Pressure Transmitter	1	GSM Mobile No : 7598398531	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

		Location:	Dharmapuri-Four Road				
Tapping Point at Dharmapuri-Four Road - Municipality							
Make - Rockwell Automation			PLC Panel Serial No: 100466559				
Tapping Point at Dharmapuri-Four Road - Mukkalnaickanpatti							
Make - Rockwell Automation			PLC Panel Serial No: 100475938				
UPS - 1 No Ca	Capacity : 2KVA		Sr.No	8322L1306100102			
Battery - 8 Nos Capacity : 42AH			Sr.No	4TE E1546488	4TE E1548194		
				4TE E1547404	4TE E1547783		
				4TE E1547559	4TE E1546831		
				4TE E1547462	4TE E1550088		
Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 300	1120241	Dharmapuri Municipality	5025	301.5	7404	444.24
200 DI	DN 150	1120950	Mukkal naickanpatti	926	55.56	1078	64.68
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4CS601895			
a) Level Transmitter				Router VSAT Sr. No : FGL163526A4			
a) Level Switch				Router GSM Sr. No : FGL163525ZM			
a) Pressure Transmitter			2	GSM Mobile No : 7598398125			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:	Mathikonpalayam
Tapping Point at Mathikonpalayam	
Make - Rockwell Automation	PLC Panel Serial No: 100475931

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100047
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1545592	4TE E1546875
		4TE E1550076	4TE E1545984
		4TE E1548860	4TE E1545254
		4TE E1547901	4TE E1543726

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
600 MS	DN 400	1120960	Inlet	13019	781.14	15372	922.32

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02567	
a) Level Transmitter	—	Router VSAT Sr. No : FGL1635267X	
a) Level Switch	—	Router GSM Sr. No : FGL16352600	
a) Pressure Transmitter	1	GSM Mobile No : 7598398105	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Kuppur
Booster Pumping Station - Pumping to Kondapatti		
Discharge - 1192 X 47 m	HP - 25	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471800	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100290
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120653	4RE E3139333
		4TE E1124545	4SE E1103433
		4RE E3139615	4SE E1111280
		4SE E1112426	4RE E3139282

Union Reservoir at Kuppur		
Sump Capacity - 6.00 LL	Storage Depth- 3.15 m	Total Depth - 3.45 m
Make - Rockwell Automation	PLC Panel Serial No: 100468624	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100228
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1088795	4TE E1120540
		4RE E3139331	4TE E1118556
		4TE E1121816	4RE E3139337
		4SE E1112390	4RE E3139278

Tapping Point at Kuppur	
Make - Rockwell Automation	PLC Panel Serial No: 100475935

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1306100108
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1528054	4TE E1544423
		4TE E1547057	4TE E1545517
		4TE E1547260	4SE E1528917
		4TE E1546234	4TE E1544818

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 100	I120400	Inlet to sump	669	40.14	784	47.04
150 DI	DN 100	I120415	outlet	866	51.96	928	55.68

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01601
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635269S
a) Level Switch	1	Router GSM Sr. No : FGL163525Z5
a) Pressure Transmitter	6 (1X5)	GSM Mobile No : 7598398147

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Uthangarai

Individual Test Report

Location:		Olaipatti
Union Reservoir at Olaipatti		
MBR Capacity - 1.00 LL	Storage Depth - 3.2 m	Total Depth - 3.6 m
Make - Rockwell Automation	PLC Panel Serial No: 100468630	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100243
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1097840	4TE E1121841
		4SE E1111258	4QE E1979682
		4TE E1124678	4TE E1121776
		4SE E1111324	4SE E1112387

Tapping Point at Olaipatti	
Make - Rockwell Automation	PLC Panel Serial No: 100476041

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100104
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547283	4TE E1547362
		4TE E1547838	4TE E1546409
		4TE E1546885	4SE E1542630
		4SE E1536702	4TE E1546926

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 125	I120405	Inlet	597	35.82	694	41.64

M/S Solpro Automation	Nos	Telemetry Work -M/s BSNL
a) Level Transmitter	2	VSAT Modem No : 4C6S02124
a) Level Switch	1	Router VSAT Sr. No : FGL1635267W
a) Pressure Transmitter	1	Router GSM Sr. No : FGL163525Y9
		GSM Mobile No : 7598398157

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Uthangarai

Individual Test Report

Location:		Nagampatti
Union Reservoir at Nagampatti		
MBR Capacity - 3.00 LL	Storage Depth - 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100468606	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100508
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1119026	4TE E1120594
		4SE E1114420	4SE E1112170
		4SE E1112362	4TE E1124492
		4RE E1096130	4SE E1113570

Tapping Point at Nagampatti	
Make - Rockwell Automation	PLC Panel Serial No: 100475956

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1303100235
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547273	4TE E1544745
		4TE E1545583	4TE E1547893
		4SE E1538612	4TE E1548067
		4TE E1547136	4SE E1540101

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 DI	DN 150	I121333	Inlet	2039	122.34	2382	142.92

				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02474			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635269U			
a) Level Switch			1	Router GSM Sr. No : FGL163525Y8			
a) Pressure Transmitter			1	GSM Mobile No : 7598398083			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Uthangarai

Individual Test Report

Location:		Uthangarai
Union Reservoir at Uthangarai		
MBR Capacity - 6.00 LL	Storage Depth - 3.2 m	Total Depth - 3.47 m
Make - Rockwell Automation	PLC Panel Serial No: 100473254	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100253
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1098393	4SE E1112353
		4TE E1123544	4SE E1112343
		4SE E1111337	4RE E3139273
		4RE E1096140	4RE E1096135

Tapping Point at Uthangarai	
Make - Rockwell Automation	PLC Panel Serial No: 100468745

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1306100045
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1542594	4SE E1536671
		4TE E1546956	4TE E1547850
		4TE E1547334	4TE E1545917
		4TE E1548476	4TE E1547839

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

350 DI	DN 200	I120949	Inlet	4086	245.16	4785	287
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02359			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635261F			
a) Level Switch			1	Router GSM Sr. No : FGL163525Z1			
a) Pressure Transmitter			1	GSM Mobile No : 7598398478			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Erupalli
Booster Pumping Station - 1 - Pumping to Erupalli		
Discharge- 537 lpm X 55m	HP- 20	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468613	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100289
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111339	4SE E1112437
		4RE E3139284	4RE E1096139
		4SE E1114080	4SE E1103432
		4RE E1088906	4TE E1118560

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
140 HDPE	DN 100	I120959	Inlet to sump	310	18.6		
160 HDPE	DN 150	I120948	Outlet to Erupalli	524	31.44		

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS602130	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A1	
a) Level Switch	1	Router GSM Sr. No : FGL163525YB	
a) Pressure Transmitter	5	GSM Mobile No : 7598398069	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Mukkalnaickanpatti
Booster Pumping Station Pumping to Nallasenahalli		
Discharge - 826 lpm X 66 m	HP - 25	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100464560	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100119
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112942	4TE E1120241
		4RE E1088753	4TE E1119092
		4TE E1124602	4SE E1111408
		4TE E1123266	4TE E1118551

Union Reservoir at Mukkalnaickanpatti		
Sump Capacity - 3 LL	Storage Depth- 3.4m	Total Depth - 3.7m
Make - Rockwell Automation	PLC Panel Serial No: 100470408	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100200
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123406	4SE E1112389
		4SE E1112355	4TE E1124603
		4RE E1083059	4SE E1112337
		4RE E1084677	4TE E1123534

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

150 DI	DN 100	I120947	Inlet to Sump	320	19.2	356	21.36
160 HDPE	DN 125	I120407	Nallasenahalli-Outlet	640	38.4	736	44.16
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02072			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635269T			
a) Level Switch			1	Router GSM Sr. No : FGL16352601			
a) Pressure Transmitter			5 (1X5)	GSM Mobile No : 7598399716			

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Sowlur
Booster Pumping Station - 1 - Pumping to Adhiyamaankottai		
Discharge- 1086 lpm X 37 m	HP- 15	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468623	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8322L1306100159
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1113265	4RE E1083070
		4TE E1123569	4RE E1087517
		4RE E1505216	4TE E1118204
		4TE E1123404	4TE E1120362

Booster Pumping Station - 2 - Pumping to Mittareddihalli		
Discharge- 1537 lpm X 65 m	HP- 40	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468599	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L 1301100529
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1122562	4SE E 1112947
		4RE E1084442	4TE E1118725
		4SE E1111351	4SE E1111327
		4RE E3131708	4SE E1111376

Booster Pumping Station - 3 - Pumping to Maniyathanahalli		
Discharge- 2589 lpm X 75m	HP- 75	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100470419	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L 1301100130
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118189	4RE E1083067
		4TE E1120330	4RE E1083071
		4RE E1083069	4TE E1118723
		4RE E1095691	4SE E1529992

Union Reservoir at Sowlur		
Sump Capacity - 14.00 LL	Storage Depth- 4.35m	Total Depth - 4.6 m
Make - Rockwell Automation	PLC Panel Serial No: 100471808	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100156
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118608	4TE E1124622
		4SE E1111325	4TE E1121893
		4RE E1095786	4TE E1124504
		4RE E3139618	4TE E1123262

Flow meters/Flow Converters				Make - M/s Khrona Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermediate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 HDPE	DN 150	I120967	Adhiyamaankottai-Outlet	1000	60	1112	66.72
200 DI	DN 150	I120968	Mittareddihalli - Outlet	1413	84.78	1524	91.44
300 DI	DN 200	I120972	Maniyathanahalli-Outlet	2238	134.28	2456	147.36

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6502465	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A0	
a) Level Switch	1	Router GSM Sr. No : FGL163525Y3	
a) Pressure Transmitter	15 (3X5)	GSM Mobile No : 7598398513	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Dharmapuri-Municipality
Union Reservoir at Dharmapuri-Municipality		
MBR Capacity - 6.00 LL	Storage Depth - 3.0 m	Total Depth - 3.4 m
Make - Rockwell Automation	PLC Panel Serial No: 100471767	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100547
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111340	4TE E1123504
		4TE E1124481	4TE E1124421
		4SE E1108492	4DE E1473142
		4TE E1116874	4RE E3139343

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01634	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352676	
a) Level Switch	1	Router GSM Sr. No : FGL163525Z3	
a) Pressure Transmitter		GSM Mobile No : 7598399236	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Dharmapuri

Individual Test Report

Location:		Weaver's Colony
Union Reservoir at Weaver's Colony		
MBR Capacity - 4.00 LL	Storage Depth - 3.4 m	Total Depth - 3.7 m
Make - Rockwell Automation	PLC Panel Serial No: 100470416	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100509
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E3131698	4TE4 E1124638
		4TE E1119029	4RE E1068757
		4RE E3131697	4TE E1120238
		4TE E1123488	4TE E1118618

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02419	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352679	
a) Level Switch	1	Router GSM Sr. No : FGL163525YD	
a) Pressure Transmitter		GSM Mobile No : 7598398527	

SCADA INTERFACE WORKS -PACKAGE 2

District: Dharmapuri

Union: Uthangarai

Individual Test Report

		Location:		Kallavi			
Booster Pumping Station - 1 - Pumping to Kallavi							
Discharge - 802 lpm X 55m		HP - 17.5		Pumpset - HSC (1+1)			
Make - Rockwell Automation		PLC Panel Serial No: 100468598					
UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100258				
Battery - 8 Nos Capacity : 65AH			Sr.No	4TE E1120672	4TE E1118565		
				4RE E1096142	4RE E3139279		
				4TE E1122170	4TE E1116875		
				4SE E1108443	4RE E1096147		
Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 100	I120969	Inlet to Sump	345	20.7	401	24.06
200 HDPE	DN 200	I121011	Periyakottakulam - Outlet	690	41.4	728	43.68
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01302			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635261B			
a) Level Switch			1	Router GSM Sr. No : FGL163525Z0			
a) Pressure Transmitter			5	GSM Mobile No : 7598398536			

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Dharmapuri

	Location:	Settikkarai
Tapping Point at Settikkarai		
Make - Rockwell Automation	PLC Panel Serial No: 100475958	

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100039
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1544365	4TE E1547279
		4TE E1547785	4TE E1547390
		4TE E1547291	4TE E1546882
		4TE E1546482	4TE E1544154

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 50	I120234	Inlet to MBR	186	11.16	218	13.08

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01380	
a) Level Transmitter	—	Router VSAT Sr. No : FGL1635269Y	
a) Level Switch	—	Router GSM Sr. No : FGL163525Z6	
a) Pressure Transmitter	1	GSM Mobile No : 7598398547	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Dharmapuri

	Location:	Vellolai TP
Tapping Point at Vellolai TP		
Make - Rockwell Automation	PLC Panel Serial No: 100476040	

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100036
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547856	4TE E1542789
		4TE E1547453	4TE E1546311
		4TE E1545608	4TE E1543311
		4TE E1547403	4TE E1547113

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150DI	DN 100	I120224	Inlet to sump	433	25.98	565	33.9

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02954	
a) Level Transmitter		Router VSAT Sr. No : FGL1635261G	
a) Level Switch		Router GSM Sr. No : FGL163525Z8	
a) Pressure Transmitter	1	GSM Mobile No : 7598398564	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Kadathur

Location:		Odasalpatti
Union Reservoir at Odasalpatti - Harur		
Sump Capacity - 7.00 LL	Storage Depth- 4 m	Total Depth - 4.3 m
Make - Rockwell Automation	PLC Panel Serial No: 100473643	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100337
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124633	4SE E1113580
		4TE E1123532	4TE E1120314
		4TE E1117733	4TE E1123450
		4RE E1086053	4SE E1112040

Union Reservoir at Odasalpatti - Morappur		
MBR Capacity - 6 LL	Storage Depth- 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100471765	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100328
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1113416	4RE E3139626
		4TE E1121465	4TE E1120544
		4SE E1107645	4RE E3139628
		4TE E1118755	4TE E1123409

Tapping Point at Odasalpatti - Harur	
Make - Rockwell Automation	PLC Panel Serial No: 100476038

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100110
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1546951	4TE E1545480
		4TE E1547296	4TE E1544482
		4SE E1537368	4TE E1547576
		4TE E1547086	4TE E1547562

Tapping Point at Odasalpatti - Morappur	
Make - Rockwell Automation	PLC Panel Serial No: 100475955

UPS - 1 No C	Capacity : 2KVA	Sr.No	8322L1306100087
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1546838	4TE E1546457
		4TE E1547480	4TE E1547836
		4TE E1546544	4TE E1546402
		4SE E1542340	4TE E1547090

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 300	I120240	Inlet - Harur	3027	181.62	3578	214.68
400 DI	DN 300	I120953	Inlet - Morappur	5023	301.38	5895	353.70
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01538			
a) Level Transmitter			4	Router VSAT Sr. No : FGL163526AE			
a) Level Switch			2	Router GSM Sr. No : FGL163525ZC			
a) Pressure Transmitter			2	GSM Mobile No : 7598398590			

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Morappur

	Location:	Sathrapatti
Tapping Point at Sathrapatti		
Make - Rockwell Automation	PLC Panel Serial No: 100475954	

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100106
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547135	4TE E1547402
		4TE E1547835	4TE E1547514
		4TE E1547407	4TE E1547868
		4TE E1547396	4TE E1546523

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 50	1120238	Inlet	97	5.82	115	6.9

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6SO2230	
a) Level Transmitter		Router VSAT Sr. No : FGL1635267L	
a) Level Switch		Router GSM Sr. No : FGL163525YP	
a) Pressure Transmitter	1	GSM Mobile No : 7598398593	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Harur

Location:		Harur
Union Reservoir at Harur		
MBR Capacity - 6.00 LL	Storage Depth - 3.2 m	Total Depth - 3.6 m
Make - Rockwell Automation	PLC Panel Serial No: 100468602	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100332
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1088915	4TE E1122985
		4TE E1118563	4RE E1095178
		4SE E1111264	4TE E1123467
		4TE E1117549	4TE E1123424

Tapping Point at Harur	
Make - Rockwell Automation	PLC Panel Serial No: 100475946

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100111
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1542294	4TE E1547844
		4TE E1547083	4TE E154686
		4TE E1548142	4TE E1543978
		4TE E1547561	4SE E1538526

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
300 DI	DN 200	I120988	Inlet to MBR	4926	295.56	5780	346.80
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01311			
a) Level Transmitter			2	Router VSAT Sr. No : FGL163526A2			
a) Level Switch			1	Router GSM Sr. No : FGL163525ZP			
a) Pressure Transmitter			1	GSM Mobile No : 7598398680			

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Bommidi

Location:	B.Mallapuram
Tapping Point at B.Mallapuram	
Make - Rockwell Automation	PLC Panel Serial No: 100475950

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100105
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1540469	4SE E1540524
		4TE E1545497	4TE E1546840
		4TE E1546410	4TE E1546458
		4TE E1546464	4TE E1547396

Flow meters/Flow Converters				Make - M/s Khrona Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 80	I120392	Inlet to MBR	270	16.20	352	21.12

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01709	
a) Level Transmitter		Router VSAT Sr. No : FGL1635267U	
a) Level Switch		Router GSM Sr. No : FGL1635252T	
a) Pressure Transmitter	1	GSM Mobile No : 7598398685	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Bommidi

Location:		Pappireddipatti
Booster Pumping Station - Pumping to Bairanatham		
Discharge- 824 lpm X 48 m	HP- 12.5	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468610	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100257
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1098441	4TE E1129605
		4TE E1122481	4RE E1105011
		4TE E1120657	4TE E1120659
		4TE E1120536	4TE E1120862

Booster Pumping Station - Pumping to B.Pallipatti		
Discharge- 936 lpm X 58 m	HP- 15	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468612	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100095
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1119111	4SE E1112743
		4TE E1121591	4RE E3139364
		4TE E1121774	4SE E1111342
		4RE E1098064	4RE E1113554

Union Reservoir at Pappireddipatti		
MBR Capacity - 4.00 LL	Storage Depth - 3.2 m	Total Depth - 3.55 m
Make - Rockwell Automation	PLC Panel Serial No: 100471813	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100233
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120383	4TE E1117560
		4RE E1084784	4SE E1111332
		4SE E1112087	4SE E1111322
		4RE E1088159	4SE E1111353

Tapping Point at Pappireddipatti	
Make - Rockwell Automation	PLC Panel Serial No: 100475957

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100101
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547648	4TE E1547865
		4TE E1546596	4TE E1547223
		4TE E1548888	4TE E1542313
		4SE E1536681	4TE E1548475

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 250	I120958	Inlet	2296	137.76	2696	161.76
200 HDPE	DN 150	I120242	B.Pallipatti - Outlet	556	33.36	736	44.16
140 HDPE	DN 125	I120403	Bairanatham - Outlet	748	44.88	864	51.84

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02095
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A7
a) Level Switch	1	Router GSM Sr. No : FGL163525YH
a) Pressure Transmitter	1	GSM Mobile No : 7598398732

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Dharmapuri

	Location:	Vellolai - BPS
Booster Pumping Station - 1 - Pumping to Vellolai		
Discharge- 1136 lpm X 98 m	HP- 30	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471759	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100264
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118550	4SE E1113261
		4TE E1120531	4RE E1097907
		4TE E1121595	4RE E1088437
		4TE E1124658	4RE E3139332

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
225 HDPE	DN 100	I120230	Outlet	866	51.96	958	57.48

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS602352	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352674	
a) Level Switch	1	Router GSM Sr. No : FGL163525YM	
a) Pressure Transmitter		GSM Mobile No : 7598398589	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Kadathur

Location:	Maniampady
Booster Pumping Station - Pumping to Maniampady	
Discharge - 224 lpm x 40 m	HP - 3 Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471762

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100152
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1114599	4RE E1088163
		4TE E1120584	4RE E1505207
		4TE E1120664	4TE E1120583
		4TE E1124452	4TE E1124490

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
63 HDPE	DN 50	I120227	Inlet to Sump	146	8.76	171	10.26
63 HDPE	DN 50	I121009	Maniampady Outlet	220	13.2	270	16.2

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01352	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267V	
a) Level Switch	1	Router GSM Sr. No : FGL163526AP	
a) Pressure Transmitter		GSM Mobile No : 7598399751	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Kadathur

Location:		Oshahalli
Booster Pumping Station - Pumping to Oshahalli		
Discharge - 224 lpm x 40 m	HP- 3	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468616	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100325
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123570	4TE E1119958
		4TE E1117952	4TE E1118724
		4SE E1111401	4SE E1111396
		4TE E1117709	4TE E1118611

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
63 HDPE	DN 50	I120235	Inlet to Sump	68	4.08	83	4.98
63 HDPE	DN 50	I121005	Oshahalli - Outlet	136	8.16	166	9.96

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01906	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352671	
a) Level Switch	1	Router GSM Sr. No : FGL16352602	
a) Pressure Transmitter		GSM Mobile No : 7598399781	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Kadathur

	Location:	Nallakuttalahalli
Booster Pumping Station - Pumping to Nallakuttalahalli		
Discharge - 1570 lpm X 70 m	HP - 40	Pumpset - HSC(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468625	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100227
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1117710	4TE E1123533
		4TE E1118558	4TE E1116658
		4TE E1121852	4RE E1083074
		4TE E1123413	4RE E1008886

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
280 HDPE	DN 200	I120394	Inlet to Sump	935	56.1	1101	66.06
200 DI	DN 150	I120423	Kadathur - Outlet	1870	112.2	2202	132.12

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01448	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A9	
a) Level Switch	1	Router GSM Sr. No : FGL163525YJ	
a) Pressure Transmitter	5	GSM Mobile No : 7598399784	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Morappur

Location:	Keelmorappur
Booster Pumping Station - Pumping to Keelmorappur	
Discharge - 710 lpm X 120m	HP- 50 Pumpset - HSC(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471806

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	833211301100338
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120316	4TE E1120663
		4RE E1505185	4RE E1103987
		4TE E1124493	4TE E1120525
		4RE E1105017	4SE E1111334

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
140 HDPE	DN 80	I120398	Inlet to Sump	355	20.10	402	22.71
100 DI	DN 100	I120913	KeelMorappur - Outlet	710	42.60	803	48.14

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02766
a) Level Transmitter	2	Router VSAT Sr. No : FGL163525YL
a) Level Switch	1	Router GSM Sr. No : FGL16352684
a) Pressure Transmitter	5	GSM Mobile No : 7598399801

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Harur

Location:		Parayapatti pudur
Booster Pumping Station - Pumping to Parayapatti pudur		
Discharge - 350 lpm X 50m	HP- 7.5	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100470420	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100231
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112429	4SE E1114409
		4TE E1124661	4TE E1118620
		4TE E1124407	4SE E1111343
		4TE E1120581	4TE E1116564

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
110 HDPE	DN 50	I120496	Inlet	134	8.04	151	9.09
90 HDPE	DN 80	I120228	Outlet	268	16.08	303	18.17

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02571	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267S	
a) Level Switch	1	Router GSM Sr. No : FGL163526AR	
a) Pressure Transmitter		GSM Mobile No : 7598399802	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Harur

	Location:	Keerapatti
Booster Pumping Station - Pumping to Keerapatti		
Discharge - 300 lpm X 50m	HP- 10	Pumpset - HSC(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468629	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100274
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118195	4RE E1095695
		4SE E1112038	4RE E3139335
		4TE E1121463	4TE E1123414
		4SE E1532968	4SE E1112085

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 50	I120222	Inlet to Sump	117	7.02	132	7.93
100 DI	DN 80	I120244	Keerapatti - Outlet	234	14.04	265	15.87

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02229	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526AA	
a) Level Switch	1	Router GSM Sr. No : FGL163525Z9	
a) Pressure Transmitter	5	GSM Mobile No : 7598398768	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Harur

Location:		Kottapatti -Annanagar
Booster Pumping Station - Pumping to Kottapatti Sitheri sitling		
Discharge - 636 lpm x 95 m	HP - 20	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100472416	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L13011000236
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111880	4TE E1120665
		4RE E1083359	4TE E1120526
		4TE E1123419	4RE E3139624
		4RE E1505082	4TE E1123323

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 80	I120236	Inlet	251	15.06	284	17.02
150 DI	DN 125	I120226	Outlet	502	30.12	567	34.04

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01285	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635269X	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZQ	
a) Pressure Transmitter		GSM Mobile No : 7598399694	

SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Harur

Location:	Pattukonampatti
Booster Pumping Station - Pumping to Pattukonampatti	
Discharge - 740 lpm X 120m	HP- 50 Pumpset - HSC(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468604

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100335
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Battery - 8 Nos Capacity : 65AH	Sr.No	4QE E1495282	4RE E1097843
		4PE E1118186	4RE E3139623
		4RE E1098382	4TE E1118192
		4TE E1124627	4TE E1120333

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 125	I120410	Pattukonampatti - Outlet	363	21.78	740	44.4

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02016	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267C	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZJ	
a) Pressure Transmitter	5	GSM Mobile No : 7598398740	

SCADA INTERFACE WORKS -PACKAGE 4

District: Dharmapuri

Union: Palacode

	Location:	Moongilpatty at Palacode
Booster Pumping Station - Pumping to Mahendramangalam		
Discharge - 16577 LPM X 109.68 m	HP- 536	Pumpset - VT(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100470418	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100331
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112043	4RE E3139368
		4TE E1120305	4SE E1111347
		4RE E1105491	4TE E1120326
		4RE E3139287	4SE E1111406

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
850MS	DN 600	I120992	Outlet	32005	1920.3	33154	1989.24

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01673	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635261E	
a) Level Switch	1	Router GSM Sr. No : FGL163525YW	
a) Pressure Transmitter	4	GSM Mobile No : 7598398782	

SCADA INTERFACE WORKS -PACKAGE 4

District: Dharmapuri

Union: Karimangalam

	Location:	Mahendramangalam
Booster Pumping Station - Pumping to Kaduchettipatti		
Discharge -16577 LPM X 97.16 M	HP-536	Pumpset - VT(2+1)
Make - Rockwell Automation	PLC Panel Serial No:100468631	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100348
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1098060	4SE E1111409
		4RE E3131675	4SE E1113255
		4TE E1124409	4TE E1123269
		4RE E3139286	4RE E1088885

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
850MS	DN 600	I120040	Outlet	32005	1920.3	33154	1989.24

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS601264	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352678	
a) Level Switch	1	Router GSM Sr. No : FGL163525YZ	
a) Pressure Transmitter	4	GSM Mobile No : 7598398504	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Rayakottai

Location:		Kaduchettipatti
Booster Pumping Station - Pumping to Ullukurukai & Rayakottai UR		
Discharge -30733 LPM X 155 M	HP-604	Pumpset - VT(2+1) & VT(1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468600	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100415
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111217	4TE E1122987
		4SE E1112357	4SE E1112064
		4RE E1098486	4RE E1098055
		4RE E3139363	4SE E1112089

Union Reservoir at Kaduchettipatti		
Sump Capacity - 35.00 LL	Storage Depth - 3.6 m	Total Depth - 4.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100468635	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100275
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111315	4SE E1111328
		4TE E1119695	4SE E1111398
		4TE E1120586	4RE E3131673
		4TE E1121922	4RE E1083065

Tapping Point at Kaduchettipatti	
Make - Rockwell Automation	PLC Panel Serial No:100475948

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1303100350
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1546407	4TE E1547528
		4TE E1547137	4TE E147467
		4TE E1547222	4TE E1546849
		4SE E1538503	4TE E1546903

Tapping Point at Kaduchettipatti - Pekkanahalli			
Make - Rockwell Automation		PLC Panel Serial No:100476042	
UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100107

Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1521098	4TE E1547381
		4TE E1547876	4TE E1547055
		4TE E1547899	4TE E1542964
		4TE E1546528	4TE E1547110

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 DI	DN 150	I120998	Pekkahalli TP	609	36.54	705	42.3
350DI	DN 200	I120990	Rayakottai	25796	1547.76	27481	1648.86
750 MS	DN 600	I120994	Ullukurukai	25796	1547.76	27481	1648.86
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4CS6S01719			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635269V			
a) Level Switch			1	Router GSM Sr. No : FGL163525ZB			
a) Pressure Transmitter			9	GSM Mobile No : 7598399210			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Rayakottai

	Location:	Ullukurukai
Booster Pumping Station - Pumping to Jakkeri		
Discharge - 25796 LPM X 128.18 M	HP-537	Pumpset - VT(2+1)
Make - Rockwell Automation	PLC Panel Serial No:100468626	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100157
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120590	4SE E1112080
		4SE E1120667	4SE E1056032
		4TE E1124441	4SE E1111216
		4TE E1118555	4TE E1120322

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS6S01726	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267Z	
a) Level Switch	1	Router GSM Sr. No : FGL163525YU	
a) Pressure Transmitter	4	GSM Mobile No : 7598399172	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Kelamangalam

	Location:	Jakkeri
Union Reservoir at Jakkeri MBR		
Sump Capacity - 10.00 LL	Storage Depth- 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100468632	

UPS - 1 No	Capacity : 3KVA	Sr.No	8322L1306100098
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1116864	4TE E1117515
		4SE E1112062	4RE E3131721
		4SE E1113248	4SE E1112635
		4RE E1088911	4RE E1088014

Union Reservoir at Jakkeri BPT		
Sump Capacity - 12.00 LL	Storage Depth- 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100468615	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100268
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1084449	4TE E1114480
		4RE E1086461	4TE E1122527
		4TE E1123561	4TE E1122177
		4SE E1113431	4SE E1111336

Tapping Point at Jakkeri	
Make - Rockwell Automation	PLC Panel Serial No:100475949

UPS - 1 No	Capacity : 2KVA	Sr.No	8322L1306100165
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547249	4TE E1547788
		4TE E1546930	4TE E1545905
		4TE E1546853	4TE E1547681
		4SE E1537498	4TE E1546835

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
500 DI	DN 300	I120989	Outlet - Arasakuppam	470	28.2	538	32.28
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4CS601893			
a) Level Transmitter			2	Router VSAT Sr. No : FGL16352681			
a) Level Switch			1	Router GSM Sr. No : FGL163525YF			
a) Pressure Transmitter			1	GSM Mobile No : 7598398514			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Hosur

Location:		Kundumaranapalli
Booster Pumping Station - Pumping to Mathagiri		
Discharge -17921 LPM X 119.29 M	HP- 403	Pumpset - VT(2+1)
Make - Rockwell Automation	PLC Panel Serial No:100471758	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100146
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1119285	4RE E1097853
		4TE E1123496	4SE E1112083
		4TE E1129620	4SE E1112073
		4TE E1116877	4SE E1112039

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
700 MS	DN 500	I120993	Outlet - Mathagiri	17291	1037.46	20245	1214.7

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS601717	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A3	
a) Level Switch	1	Router GSM Sr. No : FGL16352607	
a) Pressure Transmitter	4	GSM Mobile No : 7598399260	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Hosur

Location:		Mathagiri
Booster Pumping Station - Pumping to Binnamagalam		
Discharge- 3224 LPM X 90 m	HP- 121	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100475816	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100238
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Battery - 8 Nos Capacity : 65AH	Sr.No	4QE E1058789	4SE E1113011
		4TE E1121460	4QE E1061335
		4TE E1118202	4SE E1111403
		4SE E1107520	4TE E1123272

Booster Pumping Station - Pumping to Hosur Union		
Discharge- 493 LPM X 65 m	HP- 25	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100471814	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100150
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1724453	4QE E1078810
		4TE E1118960	4TE E1120666
		4SE E1114270	4TE E1117734
		4RE E3139622	4SE E1112061

Union Reservoir at Mathagiri				
Sump Capacity - 13.00 LL		Storage Depth- 4.5 m		Total Depth - 5.5 m
Make - Rockwell Automation		PLC Panel Serial No: 100471852		
UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100269	
Battery - 8 Nos Capacity : 65AH		Sr.No	4TE E1120535	4SE E1113010
			4SE E1112436	4SE E1112091
			4SE E1113004	4SE E1112060
			4SE E1113252	4TE E1117745

Tapping Point at Mathagiri				
Make - Rockwell Automation		PLC Panel Serial No:100471874		
UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100044	

Battery - 8 Nos Capacity : 42AH		Sr.No	4TE E1547263	4TE E1546525
			4TE E1547525	4SE E1537544
			4TE E1547565	4TE E1544919
			4TE E1521017	4TE E1546585

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
350 DI	DN 200	I120198	Inlet to Sump	2505	150.3	3051	183.06
350 DI	DN 250	I120950	Outlet - Binnamagalam	3224	193.44	3785	227.1
200 DI	DN 100	I120694	Outlet - Hosur Union	493	29.58	578	34.68
110 HDPE	DN 100	I120998	Outlet - Hosur Town panchayat	648	38.88	766	45.96
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4CS601725			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635269Z			
a) Level Switch			1	Router GSM Sr. No : FGL163525YR			
a) Pressure Transmitter			4	GSM Mobile No : 7598399278			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Hosur

	Location:	Thinnur
Union Reservoir at Thinnur		
Sump Capacity - 20.00 LL	Storage Depth- 3.2 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100470409	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100162
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1103894	4TE E1118933
		4RE E3139406	4RE E1085518
		4RE E1083935	4SE E1107661
		4TE E1118615	4TE E1120361

Tapping Point at Thinnur	
Make - Rockwell Automation	PLC Panel Serial No:100476043

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L130100807
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547085	4TE E1546862
		4TE E1545567	4TE E1547468
		4TE E1547663	4TE E1521026
		4SE E1533599	4TE E1521033

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
600 MS	DN 400	I120955	Inlet	8950	537	9650	579
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02735			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635267E			
a) Level Switch			1	Router GSM Sr. No : FGL163525ZD			
a) Pressure Transmitter			1	GSM Mobile No : 7598399308			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Rayakkottai

Location:		Rayakkottai
Union Reservoir at Rayakkottai		
Sump Capacity - 6.00 LL	Storage Depth- 2.9 m	Total Depth - 3.5 m
Make - Rockwell Automation	PLC Panel Serial No: 100470413	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100149
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E3139616	4TE E1116869
		4RE E1083303	4TE E1116909
		4TE E1124482	4TE E1124476
		4RE E1083827	4SE E1111364

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS601629	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267K	
a) Level Switch	1	Router GSM Sr. No : FGL16352522	
a) Pressure Transmitter	0	GSM Mobile No : 7598399384	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Rayakkottai

Location:		Rayakkottai Thakkali Mandi
Booster Pumping Station		
Discharge - 176 LPM X 40	HP- 10	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100471760	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L130110013
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1098063	4TE E1118524
		4TE E1116865	4SE E1113567
		4TE E1123500	4RE E3139645
		4TE E1120529	4TE E1122169

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
160 HDPE	DN 100	I120389	Outlet	176	10.56	204	12.24

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS601314	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526AC	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZL	
a) Pressure Transmitter	0	GSM Mobile No : 7598399416	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Sulagiri

Location:		Sulagiri
Booster Pumping Station		
Discharge - 902 LPM X 85 M	HP-20	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468621	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100245
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1089815	4TE E1121452
		4TE E1116652	4TE E1118525
		4RE E1088032	4TE E1122967
		4SE E1112065	4SE E1111410

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 150	I120246	Outlet	902	54.12	1050	63

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS602678	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352677	
a) Level Switch	1	Router GSM Sr. No : FGL16352604	
a) Pressure Transmitter	0	GSM Mobile No : 7598399418	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Veppanapalli

	Location:	kuriyanapalli
Booster Pumping Station		
Discharge - 70 LPM X 50 M	HP- 3	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100470412	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100168
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112439	4RE E1505218
		4SE E1112088	4TE E1122642
		4TE E1121885	4SE E1111397
		4SE E1107660	4SE E1113292

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
90 HDPE	DN 80	I120243	Inlet	105	6.3	152	9.12
75 HDPE	DN 40	I120258	Outlet	70	4.2	78	4.68

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS600679	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266Y	
a) Level Switch	1	Router GSM Sr. No : FGL163525YQ	
a) Pressure Transmitter	0	GSM Mobile No : 7598399458	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Veppanapalli

	Location:	Pathimadugu
Booster Pumping Station		
Discharge - 432 LPM X 100 M	HP- 10	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100470414	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100145
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111372	4TE E1118609
		4TE E1122691	4TE E1174548
		4QE E1058751	4TE E1123427
		4TE E1123537	4TE E1122641

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
140 HDPE	DN 100	I121015	Inlet	352	21.12	456	27.36
150 DI	DN 100	I120961	Outlet	432	25.92	502	30.12

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4CS602585	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266W	
a) Level Switch	1	Router GSM Sr. No : FGL16352605	
a) Pressure Transmitter	0	GSM Mobile No : 7598399471	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Kelamangalam

Location:		Arasakuppam
Booster Pumping Station - Pumping to Denkanikottai		
Discharge- 5023 LPM X 90 m	HP- 177	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468628	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100336
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1105635	4RE E3139387
		4TE E1120868	4SE E1111346
		4TE E1120541	4SE E1113246
		4RE E1088022	4RE E3131678

Booster Pumping Station - Pumping to Bevanatham		
Discharge- 98 LPM X 75 m	HP- 5	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468619	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100256
Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112090	4RE E1088921
		4SE E1112070	4SE E1112082
		4TE E1120329	4TE E1120676
		4SE E1111350	4TE E1119230

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
350 DI	DN 300	I121003	Outlet	5023	301.38	5941	356.46
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4CS601839			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635267R			
a) Level Switch			1	Router GSM Sr. No : FGL163525ZW			
a) Pressure Transmitter			3	GSM Mobile No : 7598399476			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Kelamangalam

Location:		Denkanikottai
Booster Pumping Station -1 - Pumping to Anjeti		
Discharge- 3128 LPM X 145 M	HP- 177	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468603	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100334
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118610	4TE E1116862
		4SE E1112928	4SE E1112998
		4SE E1122235	4TE E1119112
		4SE E1112435	4SE E1112078

Booster Pumping Station - 2 Pumping to Tharvarakarai		
Discharge- 562 LPM X 25 m	HP- 25	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100471798	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100096
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112036	4RE E1087698
		4SE E1111304	4TE E1121897
		4TE E1122175	4SE E1113258
		4SE E1111348	4SE E1113563

Booster Pumping Station - 3 Pumping to Thandarai		
Discharge- 831 LPM X 60 m	HP- 25	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100470407	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100167
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1112086	4RE E1083066
		4RE E1088908	4TE E1123557
		4SE E1110602	4RE E3139375
		4TE E1122684	4TE E1123508

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 200	I121013	Outlet - Anjeti	3128	187.68	3660	219.6
90 HDPE	DN 50	I121006	Outlet - Ballapalli	145	8.7	168	10.08
150 DI	DN 150	I120956	Outlet - Tharvarakarai	562	33.72	655	39.3
200 HDPE	DN 100	I121007	Outlet - Thandarai	831	49.86	1019	61.14
100 DI	DN 50	I121004	Outlet- Denkanikotta town panchayat	194	11.64	227	13.62
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02972			
a) Level Transmitter			2	Router VSAT Sr. No : FGL163526AF			
a) Level Switch			1	Router GSM Sr. No : FGL163526AM			
a) Pressure Transmitter			3	GSM Mobile No : 7598399478			

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Kelamangalam

	Location:	Kundumaranapalli (Bairamangalam)
Booster Pumping Station		
Discharge - 426 LPM X 100 M	HP-20	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100471816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100183
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124486	4TE E1124612
		4RE E3139617	4RE E3139369
		4TE E1121570	4TE E1118624
		4TE E1117729	4TE E1121911

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
140 HDPE	DN 100	I120997	Outlet	426	25.56	498	29.88

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02482	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267H	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZN	
a) Pressure Transmitter	0	GSM Mobile No : 7598399615	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

	Location:	Doddamanchi	
Booster Pumping Station			
Discharge - 84 LPM X 50		HP- 5	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation		PLC Panel Serial No:100452603	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100510
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1127457	4TE E1124597
		4SE E1113253	4TE E1118726
		4RE E3139625	4RE E3131702
		4RE E1098443	4RE E1098640

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 50	I120527	Outlet	84	5.04	108	6.48

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02256	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A6	
a) Level Switch	1	Router GSM Sr. No : FGL163525YX	
a) Pressure Transmitter	0	GSM Mobile No : 7598399592	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Kelamangalam

	Location:	Beganatham		
Booster Pumping Station				
Discharge - 172 LPM X 70 M		HP- 7.5	Pumpset - Submersible Pump (1+1)	
Make - Rockwell Automation		PLC Panel Serial No:100471809		

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100166
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123267	4TE E1120542
		4SE E1111355	4TE E1118201
		4SE E1111407	4SE E1113249
		4TE E1122247	4TE E1123255

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
90 HDPE	DN 65	I120991	Outlet	172	10.32	198	11.88

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01765	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266T	
a) Level Switch	1	Router GSM Sr. No : FGL163525Y6	
a) Pressure Transmitter	0	GSM Mobile No : 7598399620	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

Location:	Binnamangalam
Booster Pumping Station	
Discharge - 2054 LPM X 130 M	HP-121 Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468622

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100133
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1113260	4SE E1107648
		4TE E1124608	4SE E1112361
		4SE E1111400	4TE E1120574
		4TE E1120544	4SE E1107646

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
300 DI	DN 200	I120245	Outlet	2054	123.24	2381	142.86

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02519	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635269R	
a) Level Switch	1	Router GSM Sr. No : FGL163525YT	
a) Pressure Transmitter	3	GSM Mobile No : 7598399651	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

	Location:	Agala Kotta		
Booster Pumping Station				
Discharge - 134 LPM X 125 M		HP - 12.5	Pumpset - Submersible Pump (1+1)	
Make - Rockwell Automation		PLC Panel Serial No:		

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100160
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1121930	4TE E1118553
		4QE E1078782	4SE E1111357
		4TE E1121929	4TE E1123505
		4TE E1120670	4SE E1113266

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 65	I121997	Outlet	134	8.04	150	9

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01486	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352682	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZU	
a) Pressure Transmitter	0	GSM Mobile No : 7598399671	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Hosur

	Location:	Thummanapalli
Booster Pumping Station		
Discharge - 3616 LPM X 52M	HP- 74	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100479816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100246
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111412	4SE E1105505
		4TE E1124634	4TE E1120389
		4TE E1124544	4TE E1117750
		4SE E1112041	4SE E1120528

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
315 HDPE	DN 300	I121021	Outlet	3616	216.96	4209	252.54

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02276	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526AB	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZK	
a) Pressure Transmitter	3	GSM Mobile No : 7598399684	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

	Location:	Thagati	
Booster Pumping Station			
Discharge - 419 LPM X 115		HP-20	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation		PLC Panel Serial No:100279816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100246
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124607	4TE E1082465
		4TE E1116491	4SE E1082431
		4RE E1123691	4SE E1096747
		4TE E1113427	4TE E1113512

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02767	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267P	
a) Level Switch	1	Router GSM Sr. No : FGL163525YY	
a) Pressure Transmitter	0	GSM Mobile No : 7598399804	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

	Location:	Athinatham	
Booster Pumping Station			
Discharge - 315 LPM X 98		HP- 15	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation		PLC Panel Serial No::100489816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100365
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1118426	4TE E1092354
		4SE E1086471	4SE E1111982
		4TE E1116871	4RE E1097864
		4TE E1124626	4RE E1119257

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02263	
a) Level Transmitter	2	Router VSAT Sr. No : FGL163526A8	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZZ	
a) Pressure Transmitter	0	GSM Mobile No : 7598399851	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Thally

	Location:	Billikal	
Booster Pumping Station			
Discharge -268 LPM X 115		HP-15	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation		PLC Panel Serial No : 100459816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100161
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124613	4SE E1112398
		4SE E1112944	4TE E1120700
		4RE E1089925	4RE E1095622
		4TE E1123426	4TE E1116654

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02547	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267J	
a) Level Switch	1	Router GSM Sr. No : FGL163525Y2	
a) Pressure Transmitter	0	GSM Mobile No : 7598399852	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Denkanikottai

Location:	Kodakarai
Booster Pumping Station	
Discharge - 344 LPM X 150	HP-35 Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation	PLC Panel Serial No : 100474816

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100240
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124408	4TE E1084432
		4TE E1124640	4SE E1112168
		4TE E1116657	4SE E1114619
		4RE E1097742	4SE E1111299

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01752	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267B	
a) Level Switch	1	Router GSM Sr. No : FGL163526ZB	
a) Pressure Transmitter	0	GSM Mobile No : 7598399834	

SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Denkanikottai

Location:		Betamugilalam	
Booster Pumping Station			
Discharge - 344 LPM X 100		HP- 20	Pumpset - Submersible Pump (1+1)
Make - Rockwell Automation		PLC Panel Serial No: 100579816	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100270
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120530	4TE E1144446
		4TE E1120576	4TE E1120652
		4TE E1122245	4TE E1124665
		4TE E1123568	4TE E1122650

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01794	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267N	
a) Level Switch	1	Router GSM Sr. No : FGL163525ZR	
a) Pressure Transmitter	0	GSM Mobile No : 7598399806	

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Bargur

	Location:	Pudur Sump
Tapping Point at Pudur Sump		
Make - Rockwell Automation	PLC Panel Serial No:100385953	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100330
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Battery - 8 Nos Capacity : 42AH	Sr.No	4RE E1098057	4SE E1111378
		4RE E1084753	4SE E1111257
		4TE E1118616	4RE E1088897
		4SE E1114598	4TE E1122643

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 100	I121112	Inlet	246	14.76	291	17.46

Telemetry Work -M/s BSNL		
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01722
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635267G
a) Level Switch	1	Router GSM Sr. No : FGL163525ZV
a) Pressure Transmitter	1	GSM Mobile No : 7598399741

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Bargur

	Location:	Sinthalapalli Sump
Tapping Point at Sinthalapalli Sump		
Make - Rockwell Automation	PLC Panel Serial No:100475953	

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100100
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547569	4TE E1545482
		4TE E1549385	4TE E1547677
		4TE E1546830	4TE E1547378
		4TE E1545611	4SE E1534652

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
100 DI	DN 100	I121012	Inlet				

Telemetry Work -M/s BSNL		
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01575
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266S
a) Level Switch	1	Router GSM Sr. No : FGL163525YN
a) Pressure Transmitter	1	GSM Mobile No : 7598399738

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Palacode

	Location:	P.Chettihalli
Booster Pumping Station - 1		
Discharge- 1274 LPM X 90 m	HP- 50	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100465609	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100323
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1124635	4TE E1118194
		4RE E1096128	4TE E1122644
		4TE E1118197	4TE E1117744
		4QE E1499663	4TE E1122565

Booster Pumping Station - 2		
Discharge- 4186 LPM X 92 m	HP- 150	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468609	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100155
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123535	4TE E1123422
		4TE E1123276	4TE E1123165
		4TE 1116373	4TE E1117556
		4RE E1098059	4TE E1112023

Union Reservoir at P.Chettihalli		
Sump Capacity - 20 LL	Storage Depth- 3.25 m	Total Depth - 3.65 m
Make - Rockwell Automation	PLC Panel Serial No: 100471801	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100244
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1113626	4RE E3139282
		4TE E1120582	4TE E1121313
		4TE E1123416	4TE E1118191
		4TE E1124619	4RE E1088030

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 300	I120421	Inlet	2849	170.94	3105	186.30
315 HDPE	DN 200	I120232	HSC Outlet	1274	76.44		
350 DI	DN 250	I120414	VT Outlet	4186	251.16		

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02220	
a) Level Transmitter	2	Router VSAT Sr. No : FGL16352685	
a) Level Switch	1	Router GSM Sr. No : FGL163525YG	
a) Pressure Transmitter	8(1X3)(1X5)	GSM Mobile No : 7598398903	

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Palacode

	Location:	Valaithottam
Booster Pumping Station - 1		
Discharge- 1010 LPM X 45 m	HP- 25	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100458542	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100242
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111404	4TE E1120858
		4RE E1088731	4RE E1088759
		4TE E1118185	4RE E1088787
		4SE E1112092	4RE E1105024

Booster Pumping Station - 2		
Discharge- 1430 X 90 m	HP- 60	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468611	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100163
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120580	4TE E1116649
		4RE E1973640	4TE E1126668
		4TE E1120537	4SE E1110731
		4TE E1118522	4TE E1122657

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
250 HDPE	DN 200	I120397	Inlet	2287	137.22	2504	150.24
150 DI	DN 125	I120387	Outlet	1010	60.60	1141	68.48
200 DI	DN 150	I120219	Outlet	1430	85.80	1616	96.95

M/S Solpro Automation	Nos	Telemetry Work -M/s BSNL
a) Level Transmitter	2	VSAT Modem No : 4CS602594
a) Level Switch	1	Router VSAT Sr. No : FGL1635267T
a) Pressure Transmitter	10(2X5)	Router GSM Sr. No : FGL163526AQ
		GSM Mobile No : 7598399047

SCADA INTERFACE WORKS -PACKAGE 5

District: Krishnagiri

Union: Bargur

	Location:	Karakuppam Sump
Booster Pumping Station		
Discharge- 574.56 LPM X 62 m	HP-75	Pumpset -VT(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468607	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100234
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1097846	4TE E1117944
		4TE E1123263	4RE E1097844
		4RE E1097898	4SE E1112069
		4RE E1098054	4RE E313174

Union Reservoir at Karakuppam Sump		
Sump Capacity - 35.00 LL	Storage Depth- 4.5 m	Total Depth - 4.75 m
Make - Rockwell Automation	PLC Panel Serial No: 100468620	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100201
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123447	4SE E1111283
		4TE E1122148	4SE E1103435
		4RE E1096097	4RE E1081484
		4TE E1117747	4RE E1088684

Tapping Point at Karakuppam Sump	
Make - Rockwell Automation	PLC Panel Serial No:100476037

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1303100808
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1545711	4TE E1545581
		4TE E1546460	4TE E1521025
		4TE E1547855	4TE E1547855
		4TE E1520991	4TE E1547904

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
400 DI	DN 300	I121001	Inlet	4126	247.56	4788	287.28

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02214
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635269Q
a) Level Switch	1	Router GSM Sr. No : FGL163525ZF
a) Pressure Transmitter	1	GSM Mobile No : 7598399074

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Bargur

	Location:	Bargur Town Panchayat
Tapping Point at Bargur Town Panchayat		
Rockwell Automation		PLC Panel Serial No:100475942

1 No Capacity	Capacity : 2KVA	Sr.No	8322I1306100042
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1541112	4TE E1546937
		4TE E1545522	4SE E1538287
		4TE E1547475	4TE E1547589
		4TE E1547536	4TE E1545495

Flow meters/Flow Converters				Make - M/s Khrona Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
150 DI	DN 100	I120974	Inlet	246	14.76	291	17.46

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No	: 4C6S01497
a) Level Transmitter		Router VSAT Sr. No	: FGL16352670
a) Level Switch		Router GSM Sr. No	: FGL163525ZA
a) Pressure Transmitter	1	GSM Mobile No	: 7598399736

SCADA INTERFACE WORKS -PACKAGE 5

District: Krishnagiri

Union: Bargur

Location:		Kandikuppam
Booster Pumping Station - 1		
Discharge- 668 LPM X 78 m	HP- 30	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468608	

UPS - 1 No Capac	Capacity : 3KVA	Sr.No	8332L1306100151
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Battery - 8 Nos Capacity : 65AH	Sr.No	E1124606	E1124011
		E1124615	E1106131
		E1113262	E1123271
		E1112071	E1117731

Booster Pumping Station - 2		
Discharge- 624 LPM X 40 m	HP- 15	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100468618	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100281
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Battery - 8 Nos Capacity : 65AH	Sr.No	E3131701	E1118557
		E1120243	E1120428
		E1119103	E1121915
		E1090190	E1117735

Union Reservoir at Kandikuppam		
Sump Capacity - 5.00 LL	Storage Depth- 3.65 m	Total Depth - 3.00 m
Make - Rockwell Automation	PLC Panel Serial No: 100475930	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100340	
Battery - 8 Nos Capacity : 65AH		Sr.No	4TE E1113523	4RE E1079664
			4RE E1096133	4SE E1114616
			4SE E1111276	4TE E1123401
			4TE E1124544	4TE E1121864

Tapping Point at Kandikuppam			
Make - Rockwell Automation		PLC Panel Serial No:100468601	
UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100112

Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547742	4TE E1547793
		4TE E1547258	4TE E1547409
		4TE E1547488	4SE E1536701
		4TE E1547380	4TE E1544274

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
160 HDPE	DN 100	I120221	Inlet	533	31.98	646	38.76
150 DI	DN 125	I120965	Outlet				
160 HDPE	DN 100	I120223	Outlet				
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02775			
a) Level Transmitter			2	Router VSAT Sr. No : FGL16352686			
a) Level Switch			1	Router GSM Sr. No : FGL163525ZG			
a) Pressure Transmitter			9(1X3)(1X5)	GSM Mobile No : 7598399082			

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Krishnagiri

Location:	Krishnagiri Municipality
Tapping Point at Krishnagiri Municipality	
Make - Rockwell Automation	PLC Panel Serial No:100475944

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L130610013
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547365	4TE E1546531
		4TE E1547779	4TE E1540855
		4SE E1542332	4TE E1550077
		4TE E1047905	4SE E1536713

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
450 DI	DN 300	I20386	Inlet	2964	177.84	5246	314.76

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01782	
a) Level Transmitter		Router VSAT Sr. No : FGL16352675	
a) Level Switch		Router GSM Sr. No : FGL16352524	
a) Pressure Transmitter	1	GSM Mobile No : 7598399125	

SCADA INTERFACE WORKS -PACKAGE 5

District: Krishnagiri

Union: Krishnagiri

	Location:	Avathanapatti
Booster Pumping Station - 1		
Discharge- 1723 LPM X 118 m	HP- 100	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468627	

UPS - 1 No Capa	Capacity : 3KVA	Sr.No	8332L1301100263
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1116786	4TE E1113559
		4TE E1124672	4TE E1120661
		4TE E1125546	4SE E1111261
		4TE E1121913	4SE E1111331

Booster Pumping Station - 2		
Discharge-2858 LPM X 117 m	HP- 120	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No:100464565	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100288
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1120654	4RE E1084436
		4TE E1124478	4TE E1121464
		4TE E1122970	4TE E1118188
		4RE E3139384	4SE E1112081

Union Reservoir at Avathanapatti		
Sump Capacity - 4.00 LL	Storage Depth- 3.6 m	Total Depth - 4.6 m
Make - Rockwell Automation	PLC Panel Serial No: 100452410	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1301100131
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1119947	4SE E1113257
		4SE E1111405	4TE E1124059
		4TE E1124663	4TE E1118193
		4TE E1120567	4TE E1119373

Tapping Point at Avathanapatti	
Make - Rockwell Automation	PLC Panel Serial No:100475936

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100099
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547060	4TE E1549908
		4TE E1547538	4TE E1547532
		4TE E1549480	4TE E1545400
		4TE E1549462	4TE E1547864

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
300 DI	DN 200	I120416	Inlet	2941	176.46	3436	206.16
250 DI	DN 125	I120237	HSC Outlet				
250 DI	DN 125	I120987	VT Outlet				
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01738			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635266U			
a) Level Switch			1	Router GSM Sr. No : FGL163525YC			
a) Pressure Transmitter			9(1X3)(1X5)	GSM Mobile No : 7598399162			

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Krishnagiri

	Location:	Periyamuthur
Tapping Point at Periyamuthur		
Make - Rockwell Automation	PLC Panel Serial No:100475932	

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100103
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1545561	4SE E1537373
		4TE E1547085	4TE E1548983
		4TE E1546180	4TE E1546521
		4TE E1545899	4TE E1547574

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
90 HDPE	DN 65	I121019	Inlet	161	9.66	184	11.04

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01944	
a) Level Transmitter		Router VSAT Sr. No : FGL1635261C	
a) Level Switch		Router GSM Sr. No : FGL163525YE	
a) Pressure Transmitter	1	GSM Mobile No : 7598399087	

SCADA INTERFACE WORKS - PACKAGE 5

District: Krishnagiri

Union: Krishnagiri

		Location:		Kaveripattinam	
Union Reservoir at Kaveripattinam					
Sump Capacity - 12.00 LL		Storage Depth- 3.7 m		Total Depth - 4.05 m	
Make - Rockwell Automation		PLC Panel Serial No: 1004763671			
UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100158		
Battery - 8 Nos Capacity : 65AH		Sr.No	4TE E1113552	4TE E1120325	
			4RE E1098061	4TE E1120577	
			4TE E1121776	4SE E1114285	
			4TE E1121571	4SE E1112444	

Tapping Point at Kaveripattinam	
Make - Rockwell Automation	PLC Panel Serial No: 100475937

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100043
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Battery - 8 Nos Capacity : 42AH		Sr.No	4TE E1546907	4TE E1547360
			4TE E1547903	4TE E1547784
			4TE E1550092	4TE E1546465
			4TE E1546834	4TE E1547789

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
700 MS	DN 300	I120411	Inlet	4939	296.34	5825	349.50
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02136			
a) Level Transmitter			2	Router VSAT Sr. No : FGL163526A5			
a) Level Switch			1	Router GSM Sr. No : FGL163525YV			
a) Pressure Transmitter			1	GSM Mobile No : 7598399072			

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Karimangalam

	Location:	Annamalaihalli
Booster Pumping Station		
Discharge- m	HP-10	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100470411	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100127
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Battery - 8 Nos Capacity : 65AH	Sr.No	E1505144	E1112438
		E1112233	E1098452
		E1083987	E1120669
		E1121895	E1121912

Union Reservoir at Annamalaihalli		
Sump Capacity - 4.00 LL	Storage Depth- 3.35 m	Total Depth - 3.6 m
Make - Rockwell Automation	PLC Panel Serial No: 100471815	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100342
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Battery - 8 Nos Capacity : 65AH	Sr.No	E1120534	E1118198
		E1118254	E1118282
		E1122194	E1122636
		E1119533	E1084455

Tapping Point at Annamalaihalli	
Make - Rockwell Automation	PLC Panel Serial No:100475940

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100035
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Battery - 8 Nos Capacity : 42AH	Sr.No	E1547871	E1543576
		E1547262	E1547564
		E1540182	E1547563
		E1546456	E1543498

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
250 HDPE	DN 150	I120413	Inlet to MBR	4123	247.38	3809	228.54
63 HDPE	DN 65	I120239	Sump Inlet				
160 HDPE	DN 100	I121010	outlet				

		Telemetry Work -M/s BSNL	
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S01450	
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266Z	
a) Level Switch	1	Router GSM Sr. No : FGL163525Y7	
a) Pressure Transmitter	1	GSM Mobile No : 7598399063	

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Palacode

		Location:	Moongilpatty	
Booster Pumping Station - 1 - Pumping to Krishnagiri Union				
Discharge- 25416 X77 m		HP- 603		Pumpset - VT (1+1)
Make - Rockwell Automation		PLC Panel Serial No: 100468605		
UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1306100154	

Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1126256	4SE E1111352
		4RE E1085884	4RE E1094481
		4SE E1113266	4RE E3139391
		4TE E1117743	4TE E1118196

Booster Pumping Station - 2 - Pumping to Palacode Union		
Discharge- 5136 X 75 m	HP- 150	Pumpset - VT (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100468617	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100277
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Battery - 8 Nos Capacity : 65AH	Sr.No	4SE E1111349	4TE E1120498
		4SE E1112044	4RE E3139385
		4TE E1124600	4RE E1097735
		4TE E1123257	4RE E1097390

Booster Pumping Station - 3 - Pumping to Palcode Town Panchayat				
Discharge- 595 X 42m		HP- 15		Pumpset - HSC (1+1)
Make - Rockwell Automation		PLC Panel Serial No: 100471807		
UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1306100147	
Battery - 8 Nos Capacity : 65AH		Sr.No	4TE E1117732	4TE E1121775
			4SE E1113247	4RE E1097744
			4TE E1119454	4TE E1123274
			4SE E1114608	4SE E1113257

Tapping Point at Moongilpatty	
Make - Rockwell Automation	PLC Panel Serial No: 100475939

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1306100041
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Battery - 8 Nos Capacity : 42AH	Sr.No	4SE E1542162	4TE E1547588
		4TE E1547393	4TE E1547465
		4TE E1547138	4TE E1545589
		4TE E1547848	4TE E1550010

Flow meters/Flow Converters				Make - M/s Khrone Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
900 MS	DN 600	I120422	Inlet	4207	252.42	4922	295.32
700 MS	DN 500	I120385	Outlet - Krishnagiri Union	25416	1525		
150 DI	DN 100	I120390	Outlet - Palcode Town Panchayat	595	35.7		
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S01673			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635261E			
a) Level Switch			1	Router GSM Sr. No : FGL163525YW			
a) Pressure Transmitter			11 (3X2)(1X5)	GSM Mobile No : 7598398782			

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Pennagaram

	Location:	Pikkili
Booster Pumping Station		
Discharge- m	HP-10	Pumpset - Submersible Pump(1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100471769	

UPS - 1 No	Capacity : 3KVA	Sr.No	8332L1301100237
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E3131704	4SE E1111354
		4SE E2039237	4SE E1530183
		4TE E1124601	4SE E1112434
		4TE E1124632	4TE E1121919

Union Reservoir at Pikkili		
Sump Capacity - 4.00 LL	Storage Depth- 3.25 m	Total Depth - 3.65 m
Make - Rockwell Automation	PLC Panel Serial No: 100468614	

UPS - 1 No Ca	Capacity : 3KVA	Sr.No	8332L1306100148
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Battery - 8 Nos Capacity : 65AH	Sr.No	4RE E1088154	4RE E1098432
		4TE E1118622	4RE E1098442
		4TE E1120358	4TE E1116881
		4RE E1097839	4SE E1113598

Tapping Point at Pikkili	
Make - Rockwell Automation	PLC Panel Serial No: 100475952

UPS - 1 No Ca	Capacity : 2KVA	Sr.No	8322L1306100046
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547680	4SE E1537844
		4SE E1538609	4TE E1542390
		4SE E1537799	4TE E1547250
		4TE E1545546	4TE E1547831

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
140 HDPE	DN 100	I120417	Inlet	461	27.66	538	32.28
110 HDPE	DN 100	I120412	outlet	562	33.72		
140 HDPE	DN 100	I120944	outlet	424	25.44		

		Telemetry Work -M/s BSNL
M/S Solpro Automation	Nos	VSAT Modem No : 4C6S02099
a) Level Transmitter	2	Router VSAT Sr. No : FGL1635266R
a) Level Switch	1	Router GSM Sr. No : FGL16352606
a) Pressure Transmitter	1	GSM Mobile No : 7598398902

SCADA INTERFACE WORKS -PACKAGE 5

District: Dharmapuri

Union: Pennagaram

	Location:	O.G Halli
Booster Pumping Station		
Discharge - 2176 lpm X 48 m	HP - 40	Pumpset - HSC (1+1)
Make - Rockwell Automation	PLC Panel Serial No: 100470421	

UPS - 1 No Cap	Capacity : 3KVA	Sr.No	8332L1301100339
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Battery - 8 Nos Capacity : 65AH	Sr.No	4TE E1123259	4TE E1123411
		4TE E1116870	4TE E1118548
		4TE E1123421	4TE E1118200
		4TE E1116898	4RE E3139381

Tapping Point at O.G Halli	
Make - Rockwell Automation	PLC Panel Serial No: 100475945

UPS - 1 No Cap	Capacity : 2KVA	Sr.No	8322L1303100237
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Battery - 8 Nos Capacity : 42AH	Sr.No	4TE E1547866	4TE E1543768
		4TE E1549515	4TE E1547853
		4TE E1544037	4TE E1548193
		4TE E1543671	4TE E1547842

Flow meters/Flow Converters				Make - M/s Khrono Marshall			
Pipeline Size	Flowmeter Size	Sr.no	Flow To	Intermidate		Ultimate	
				In LPM	In M3/Hour	In LPM	In M3/Hour
200 HDPE	DN 150	I120388	Inlet	901	54.06	1060	63.60
315 HDPE	DN 150	I120315	outlet	2176	130.56		
				Telemetry Work -M/s BSNL			
M/S Solpro Automation			Nos	VSAT Modem No : 4C6S02943			
a) Level Transmitter			2	Router VSAT Sr. No : FGL1635267F			
a) Level Switch			1	Router GSM Sr. No : FGL163525YK			
a) Pressure Transmitter			6 (1X5)	GSM Mobile No : 7598398865			

UGSS to Hogenakkal Village

- 1 RCC Circular Manholes 59 Nos**
- 2 Collection Sewer System 200 mm Dia UPVC pipe - 1566 m**
- 3 Lifting station (30 mX 10 m)**
 - a) Screen Well 2.00 m dia - 1 No
 - b) Grit Well 2.00 m dia - 1 No
 - c) Suction Well 4.00 m dia - 1 No
 - d) Pump Room 6.00 m X 4.00 m
 - e) Pumping Main 150 mm Dia CI LA class pipe - 570 m
 - f) Pumpset 1 DWF - 242 lpm x 14 m - 2 Nos
 - g) 2 DWF - 484 lpm x 14 m - 1 No
 - h) Genset 62.50 kva 1 No
- 4 Sewage Treatment Plant (40 m X 25 m)**
 - a) Bar Screen Chamber 1.20 m X 1.50 m X 1.00 m
 - b) Equalization Tank 8.00 m X 8.00 m X 3.00 m
 - c) FBBR-I & II 4.90 m X 4.50 m X 4.50 m
 - d) Settling Tank 4.50 m X 2.80 m X 4.50 m
 - e) Filter Feed Tank 4.50 m X 4.95 m X 4.50 m
 - f) Treated water Tank 5.60 m X 3.25 m X 4.50 m
 - g) Sludge Holding Tank 4.20 m X 3.25 m X 4.50 m
 - h) Pump House 15.14 m X 4.50 m X 3.50 m
 - i) Genset 62.50 kva 1 No
 - j) 0.35 MLD Fluidised Bed Bio Reactor (FBBR process)