

# 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					
Sl.No	29607	29608	29609	29599	29597	29612
Type	Vertical Turbine					
Model	750 T					
Pump Duty ( Lpmx head)	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					
Pump Input	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					
Sl. No	N 134716	N 134717	N 134818	N 134819	N 134820	N 134835
Type	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 <sup>3</sup> /hr (29113 Lpm)					
Push Button	1 No					
Vibration Sensors	1×3 Nos					
Temperature Sensors	6 Nos					

**LIST OF EQUIPMENT**

**RAW WATER PUMPING STATION**

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**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					
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					
Size	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**

<b>Cast Iron Sluice gate Details - Penstock Gates for Pumphouse</b>								
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		
<b>Surge System Air Compressor Details</b>								
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 Kg / Cm <sup>2</sup>					
Voltage Rating in Volts	415 ± 10%		NA					
Lubrication Grade	AP3		ELGI Compressor Oil					
<b>Surge vessel Details</b>								
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			
<b>Butter Fly Valve No:1</b>		<b>Butter Fly Valve No:2</b>		<b>Butter Fly Valve No:3</b>				
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	
<b>Dismantling Joints No:1</b>		<b>Dismantling Joints No:2</b>		<b>Dismantling Joints No:3</b>				
Dia	500MM		Dia	500MM		Dia	500MM	
<b>Drain Valve Anti Hammer No:1</b>		<b>Drain Valve Anti Hammer No:2</b>		<b>Drain Valve Anti Hammer No:3</b>				
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	
<b>Trash Rake Details</b>								
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**

<b>MSEP Stoplog Details</b>						
<b>Description</b>	<b>Stoplog No:01</b>		<b>Stoplog No:02</b>		<b>Stoplog No:03</b>	
Size	4950 x 2700 MM	3No's	4950 x 2700 MM	3No's	4950 x 2700 MM	3No's
<b>Dewatering Pump Details</b>						
	<b>Dewatering Pump No: 01</b>			<b>Dewatering Pump No: 02</b>		
	Make	Kishore	Make	Kishore		
	Capacity	5.00 Hp	Capacity	5.00 Hp		

<b>H.O.T Crane Details</b>	
Make	S.L.Engineering
Capacity	10 Ton

<b>E.O.T Crane Details</b>	
Make	S.L.Engineering
Capacity	8.5 Ton

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

<b>Description</b>	<b>NRV No:1</b>
Make	R & D Multiples (Metal Cast) Pvt. Ltd
Dia	1200MM
PN Rating	PN-16

**Dismantling Joint for Delivery main discharge**

<b>Description</b>	<b>Dismantling joint No:1</b>
Dia	1200MM
PN Rating	PN-16

**Butter fly valve for Delivery main & Bypass flow meter**

<b>Description</b>	<b>Butter Fly Valve No:1</b>	<b>Butter Fly Valve No:2</b>	<b>Butter Fly Valve No:3</b>
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**

<b>Description</b>	<b>Dismantling joint No:1</b>	<b>Dismantling joint No:2</b>	<b>Dismantling joint No:3</b>
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	
	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	
	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	
	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**

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	<b>FLOW TRANSMITTER</b>
Make	<b>KROHNE MARSHALL</b>
Type	IFC21
Model No	AQUAFLUX
Serial No	I121127
Size	DN1200

**PRESSURE TRANSMITTER**

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

**DEWATERING PUMP STARTER PANEL**

Description	INLET SUMP	INLET SUMP
	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	<b>INCOMER-1</b>	<b>BUSCOUPLER</b>	<b>INCOMER-2</b>
	10HP,Compressor motor-1		10HP,Compressor motor-1

**AIR DRYER PANEL**

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

**SURGE VESSEL CONTROL PANEL**

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

**VENTILATION FAN - 9 No's**

Description	<b>VENTILATION FAN</b>
	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	<b>ELDB-1</b>
	Output-4No's

**INTERNAL LIGHTING DISTRIBUTION BOARD**

Description	<b>ILDB-1</b>
	Output-4No's

**LIST OF EQUIPMENT  
RAW WATER PUMPING STATION**

**SMALL POWER DISTRIBUTION BOARD**

<b>Description</b>	<b>SPDB-1</b>
	Output-3No's

**10W,EMERGENCY LIGHT - 4 No's**

<b>Description</b>	<b>EMERGENCY LIGHT</b>
	HT Panel-1No
	LT Panel-1No
	Pump house-2No's

**2X28W FLUORESCENT LAMP FITTING - 28 No's**

<b>Description</b>	<b>2X28W FITTING</b>
	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**

<b>Description</b>	<b>2X36W FITTING</b>
	PLC Panel -2No's
	Office room-2No's

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

<b>Description</b>	<b>MH LAMP FITTINGS</b>
	Pump house indoor-6No's

**250W,HPSV LAMP FITTING - 9 No's**

<b>Description</b>	<b>HPSV LAMP FITTINGS</b>
	Pump house outdoor-9No's

**150W,HPSV LAMP FITTING - 11 No's**

<b>Description</b>	<b>HPSV LAMP FITTINGS</b>
	Pump house outdoor-11No's

**1.50 TON AC - 2 No's**

<b>Description</b>	<b>1.50 TON AC</b>
	Opearator Room-1No
	PLC Room-1No

**WALL MOUNTED FAN**

<b>Description</b>	<b>Wall Mounted Fan</b>
Make	Usha
	Opearator Room-1No

**FIRE ALARM PANEL**

<b>Description</b>	<b>FIRE ALARM</b>
	Main Panel-1No
	Hooter-4No's
	Smoke detector-28No's

**INTERCOM PANEL**

<b>Description</b>	<b>INTERCOM</b>
	Power Ethernet Switch -1No
	IP Phones-4No's

**CCTV SYSTEM**

<b>Description</b>	<b>CCTV</b>
	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
<b>Make</b>	M/s. Joyti Ltd, Vadodara, Gujarat, India					
<b>Sl.No</b>	29601	29602	29603	29604	29605	29606
<b>Type</b>	Vertical Turbine					
<b>Model</b>	600 T (3 STAGE)					
<b>Pump Duty ( Lpmx head)</b>	28783Lpm × 145 m					
<b>Bowl Head (Total head)</b>	145.31m	145.31m	145.31m	145.31m	145.31m	145.31m
<b>Bowl Efficiency</b>	84.50%	84.50%	84.50%	84.50%	84.50%	84.50%
<b>Bowl Input</b>	808.77 Kw					
<b>Pump Input</b>	810.27 Kw					
<b>Pump Efficiency</b>	84.16%	84.16%	84.16%	84.16%	84.16%	84.16%
<b>Rating</b>	640Kw	640Kw	640Kw	640Kw	640Kw	640Kw
<b>Date Of Supply</b>	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12
<b>Date Of Erection</b>	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12
<b>Date of Commissioning</b>	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12
<b>Rpm</b>	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
<b>Make</b>	M/s. Joyti Ltd, Vadodara, Gujarat, India					
<b>Sl. No</b>	N 134841	N 134838	N 134824	N 134823	N 134840	N 134839
<b>Type</b>	Squirrel cage Induction Motor					
<b>Capacity</b>	930KW/1248 HP					
<b>Discharge</b>	1747m <sup>3</sup> /hr (29113 Lpm)					
<b>Bush Button</b>	1 No					
<b>Vibration Sensors</b>	1×3 Nos					
<b>Temperature Sensors</b>	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
<b>Make</b>	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					
Size	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			

**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 <sup>2</sup>	
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**

Make	Tyco Valves
Dia	700MM
PN Rating	PN-25

**Butter Fly Valve No:2**

Make	Tyco Valves
Dia	700MM
PN Rating	PN-25

**Dismantling Joints No:1**

Dia	700MM
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**Dismantling Joints No:2**

Dia	700MM
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**Drain Valve Anti Hammer No:1**

Make	Tyco Valves
Dia	150MM
PN Rating	PN-16

**Drain Valve Anti Hammer No:2**

Make	Tyco Valves
Dia	150MM
PN Rating	PN-16

**LIST OF EQUIPMENT**  
**TREATED WATER PUMPING STATION**

<b>Dewatering Pump Details</b>			
<b>Dewatering Pump No: 01</b>		<b>Dewatering Pump No: 02</b>	
Make	Kishore	Make	Kishore
Capacity	5.00 Hp	Capacity	5.00 Hp

<b>E.O.T Crane Details</b>	
Make	S.L.Engineering
Capacity	8.5 Ton

<b>Raising Main valve Details</b>	
<b>Dual plate check valve (NRV) for Delivery main discharge</b>	

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

**Dismantling joints for Delivery main discharge**

<b>Description</b>	<b>Dismantling joint No:1</b>
Dia	1200MM
PN Rating	PN-25

**Butter fly valve for Delivery main & Bypass flow meter**

<b>Description</b>	<b>Butter Fly Valve No:1</b>	<b>Butter Fly Valve No:2</b>	<b>Butter Fly Valve No:3</b>
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**

<b>Description</b>	<b>Dismantling joint No:1</b>	<b>Dismantling joint No:2</b>	<b>Dismantling joint No:3</b>
Dia	1200MM	1200MM	1200MM
PN Rating	PN-25	PN-25	PN-25

**LIST OF EQUIPMENT  
TREATED WATER PUMPING STATION**

**Dismantling Joint for Flowmeter line**

<b>Description</b>	<b>Dismantling joint No:1</b>
Dia	1200MM
PN Rating	PN-16

**Butter fly valve for Raising main line**

<b>Description</b>	<b>Butter Fly Valve No:1</b>
Make	Tyco valves
Dia	1500MM
PN Rating	PN-25

**Dismantling Joint for Raising main line**

<b>Description</b>	<b>Dismantling joint No:1</b>
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	
	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	
	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	
	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**

Description	RESERVOIR - 1	RESERVOIR - 2
	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**

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

**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**

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	
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**

<b>EXTERNAL LIGHTING DISTRIBUTION BOARD</b>			
Description	<b>ELDB-1</b>		
	Output-4		
<b>INTERNAL LIGHTING DISTRIBUTION BOARD</b>			
Description	<b>ILDB-1</b>		
	Output-4		
<b>SMALL POWER DISTRIBUTION BOARD</b>			
Description	<b>SPDB-1</b>		
	Output-3		
<b>10W,EMERGENCY LIGHT - 4 No's</b>			
Description	<b>EMERGENCY LIGHT</b>		
	HT Panel-1No		
	LT Panel-1No		
	Pump house-2No		
<b>2X28W FLUORESCENT LAMP FITTING - 28 No's</b>			
Description	<b>2X28W FITTING</b>		
	LT Panel -8No's		
	HT Panel-12No's		
	Battery room-2No's		
	Aux.Transformer-4No's		
	Compressor Room-2No's		
<b>2X36W CFL LAMP FITTING - 5 No's</b>			
Description	<b>2X36W FITTING</b>		
	PLC Panel -2No's		
	Office room-3No's		
<b>250W,METAL HALIDE LAMP FITTING - 6 No's</b>			
Description	<b>MH LAMP FITTINGS</b>		
	Pump house indoor-6No's		
<b>250W,HPSV LAMP FITTING - 6 No's</b>			
Description	<b>HPSV LAMP FITTINGS</b>		
	Pump house outdoor-6No's		
<b>1.50 TON AC</b>			
Description	<b>1.50 TON AC</b>		
	PLC Room-1No		
<b>WALL MOUNTED FAN</b>			
Description	<b>Wall Mounted Fan</b>		
Make	Usha		
	Opearator Room-1No		
<b>FIRE ALARM PANEL</b>			
Description	<b>FIRE ALARM</b>		
	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
<b>Make</b>	M/s. Joyti Ltd, Vadodara, Gujarat, India					
<b>Sl.No</b>	29600	29595	29596	29597	29598	29599
<b>Type</b>	Vertical Turbine					
<b>Model</b>	600 T (2 STAGE)					
<b>Pump Duty ( Lpmx head)</b>	29783Lpm × 100.50m					
<b>Bowl Head (Total head)</b>	100.83m	100.83m	100.83m	100.83m	100.83m	100.83m
<b>Bowl Efficiency</b>	84.50%	84.50%	84.50%	84.50%	84.50%	84.50%
<b>Bowl Input</b>	561.20 Kw					
<b>Pump Input</b>	562.45 Kw					
<b>Pump Efficiency</b>	84.04%	84.04%	84.04%	84.04%	84.04%	84.04%
<b>Rating</b>	640Kw	640Kw	640Kw	640Kw	640Kw	640Kw
<b>Date Of Supply</b>	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12	25.04.12
<b>Date Of Erection</b>	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12	13.08.12
<b>Date of Commissioning</b>	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12	12.12.12
<b>Rpm</b>	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
<b>Make</b>	M/s. Joyti Ltd, Vadodara, Gujarat, India					
<b>Sl. No</b>	N 134821	N 134822	N 134718	N 134737	N 134836	N 134719
<b>Type</b>	Squirrel cage Induction Motor					
<b>Capacity</b>	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$	$\frac{640Kw}{858Hp}$
<b>Discharge</b>	1747m <sup>3</sup> /hr (29113 Lpm)					
<b>Bush Button</b>	1 No					
<b>Vibration Sensors</b>	1×3 Nos					
<b>Temperature Sensors</b>	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
<b>Make</b>	Tyco Vales					
<b>Dia</b>	600MM	600MM	600MM	600MM	600MM	600MM
<b>PN Rating</b>	PN-16	PN-16	PN-16	PN-16	PN-16	PN-16

**LIST OF EQUIPMENT**  
**BOOSTER PUMPING STATION**

<b>Butter fly valve Gear box Details</b>						
<b>Description</b>	<b>Butter Fly Valve Gear Box No:1</b>	<b>Butter Fly Valve Gear Box No:2</b>	<b>Butter Fly Valve Gear Box No:3</b>	<b>Butter Fly Valve Gear Box No:4</b>	<b>Butter Fly Valve Gear Box No:5</b>	<b>Butter Fly Valve Gear Box No:6</b>
Make	Ameya Transmission					
Size	AT 70/3/SIE					
Ratio	292/1	292/1	292/1	292/1	292/1	292/1
Type	QT	QT	QT	QT	QT	QT
<b>Dismantling joint Details</b>						
<b>Description</b>	<b>Dismantling joint No:1</b>	<b>Dismantling joint No:2</b>	<b>Dismantling joint No:3</b>	<b>Dismantling joint No:4</b>	<b>Dismantling joint No:5</b>	<b>Dismantling joint No:6</b>
Dia	600MM	600MM	600MM	600MM	600MM	600MM

<b>Dual Plate Check Valve (NRV) Details</b>						
<b>Description</b>	<b>Dual plate check Valve No:1</b>	<b>Dual plate check Valve No:2</b>	<b>Dual plate check Valve No:3</b>	<b>Dual plate check Valve No:4</b>	<b>Dual plate check Valve No:5</b>	<b>Dual plate check Valve No:6</b>
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

<b>Tamperproof Air valve Details- For individual pump</b>						
<b>Description</b>	<b>Air Valve No:1</b>	<b>Air Valve No:2</b>	<b>Air Valve No:3</b>	<b>Air Valve No:4</b>	<b>Air Valve No:5</b>	<b>Air Valve No:6</b>
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

<b>Gate valve Details</b>						
<b>Description</b>	<b>Gate Valve No:1</b>	<b>Gate Valve No:2</b>	<b>Gate Valve No:3</b>	<b>Gate Valve No:4</b>	<b>Gate Valve No:5</b>	<b>Gate Valve No:6</b>
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

<b>Cast Iron Sluice gate Details - Penstock Gates for Pumphouse</b>				
<b>Description</b>	<b>Sluice gate No:1</b>	<b>Sluice gate No:2</b>	<b>Sluice gate No:3</b>	<b>Sluice gate No:4</b>
Make	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING	JASH ENGINEERING
Size	1500W x 1500H MM			

<b>Cast Iron Sluice gate Details - Penstock Gates for Storage tank</b>				
<b>Description</b>	<b>Sluice gate No:1</b>	<b>Sluice gate No:2</b>	<b>Sluice gate No:3</b>	
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 Kg /Cm <sup>2</sup>	
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
<b>Dismantling Joints No:1</b>		<b>Dismantling Joints No:2</b>		<b>Dismantling Joints No:3</b>	
Dia	500MM	Dia	500MM	Dia	500MM
<b>Drain Valve Anti Hammer No:1</b>		<b>Drain Valve Anti Hammer No:2</b>		<b>Drain Valve Anti Hammer No:3</b>	
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**

<b>Description</b>	<b>LCP PUSH BUTTON</b>
For VT Pumps	6 No's

**BPS PLC PANEL**

<b>Description</b>	<b>PLC PANEL</b>
Make	WINTECH
Type	Rockwell Automation

**UPS DISTRIBUTION BOARD FOR VIBRATION MONITORING SYSTEM**

<b>Description</b>	<b>UPS DB</b>
	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	7ML50331BA002A-Z	7ML50331BA002A-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	7ML50331BA002A-Z	7ML50331BA002A-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	7ML50331BA002A-Z	7ML50331BA002A-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	7ML50331BA002A-Z	7ML50331BA002A-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**

<b>250W,METAL HALIDE LAMP FITTING - 6 No's</b>			
Description	<b>MH LAMP FITTINGS</b>		
	Pump house indoor-6No's		
<b>250W,HPSV LAMP FITTING - 8 No's</b>			
Description	<b>HPSV LAMP FITTINGS</b>		
	Pump house outdoor-8No's		
<b>150W,HPSV LAMP STREET LIGHT FITTING - 16 No's</b>			
Description	<b>STREET LIGHT FITTINGS</b>		
	Pump house outdoor-16No's		

**1.50 TON AC**

Description	<b>1.50 TON AC</b>		
	PLC Room-1No		

**WALL MOUNTED FAN**

Description	<b>Wall Mounted Fan</b>
Make	Usha
	Opearator Room-1No

**FIRE ALARM PANEL**

Description	<b>FIRE ALARM</b>		
	Main Panel-1No		
	Hooter-4No's		
	Smoke detector-24No's		

**INTERCOM PANEL**

Description	<b>INTERCOM</b>		
	Power Ethernet Switch -1No		
	IP Phones-4No's		

**CCTV SYSTEM**

Description	<b>CCTV</b>		
	Camera-3No's		
	Video recorder-1No		
	Monitor-1No		
	Joystick-1No		

**STAFF QUARTERS**

Description	<b>A Quarters</b>	<b>B - 1 Quarters</b>	<b>B - 2 Quarters</b>
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	<b>SECURITY CABIN</b>
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

**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	10m <sup>3</sup> /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**

<b>Pneumatic Air -Compressor Details</b>			
<b>Compressor Motor : 3 Nos</b>		<b>Compressor : 3 Nos</b>	
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 Kgf /Cm <sup>2</sup>
Voltage in Volts/Current In Am	415 ± 10% / 8.1 A	Capacity	220Ltr
Lubrication Grade	AP3	Lubrication Grade	ELGI Compressor Oil

<b>Air Scour Blower Details</b>			
<b>Motor : 2 Nos</b>		<b>Blower : 2 Nos</b>	
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 <sup>3</sup> /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	<b>RPM</b>	<b>106</b>
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 <sup>3</sup> /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 <sup>3</sup> /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**

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

<b>Motor : 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /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

<b>Motor : 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /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**

<b>Sludge Screw Pump Details</b>			
<b>Motor : 4 Nos</b>		<b>Pump : 4 nos</b>	
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 <sup>3</sup> /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**

<b>Motor : 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /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**

<b>Alum Mixer Details</b>			
<b>Motor No: 2 Nos</b>		<b>Mixer Gearbox : 2 Nos</b>	
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	<b>RPM</b>	<b>101</b>
Bearing DE/NDE	6205ZZ/6203ZZ	Lub.Oil	Servo 320
<b>UPVC Ball valve For Alum transfer pump suction line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	50MM	50MM	50MM
<b>Description</b>	<b>Valve No:4</b>	<b>Valve No:5</b>	<b>Valve No:6</b>
Dia	50MM	50MM	50MM
<b>Alum Transfer pump Details</b>			
<b>Motor : 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /Hr / 100mm
Speed	2800Rpm	Speed	2900
Lubrication Grade	AP3	Lub.Oil	Water
<b>UPVC NRV For Alum transfer pump discharge line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	63MM	63MM	
<b>UPVC Ball valve For Alum transfer pump discharge line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	63MM	63MM	63MM
<b>UPVC Ball valve For Alum Tank (drain)</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	90MM	90MM	
<b>Alum Dosing Tank</b>			
<b>UPVC Ball valve for flowmeter line (to parshel flume)</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	50MM	50MM	50MM
<b>Description</b>	<b>Valve No:4</b>	<b>Valve No:5</b>	
Dia	50MM	50MM	
<b>UPVC Ball valve for Alum dosing tank (drain)</b>			
<b>Description</b>	<b>Valve No:1</b>		
Dia	50MM		
<b>Alum Waste Holding pump Details</b>			
<b>Motor : 01 No</b>			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	25 M		
RPM	2800		
KW/HP	75/1		
<b>SS Ball valve for Alum waste holding pump discharge line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	50MM	50MM	

**Lime Tank**

**LIST OF EQUIPMENT**  
**WATER TREATMENT PALNT**  
**Lime Mixer Details**

<b>Motor : 2 Nos</b>		<b>Mixer Gear drive : 2 Nos</b>	
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		
<b>SS Ball valve For Lime pump suction line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	150MM	150MM	150MM
	<b>Valve No:4</b>		
	150MM		
<b>Lime pump Details</b>			
<b>Motor No: 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /Hr / CFB152mm
Speed	1410Rpm	Speed	1410
Lubrication Grade	AP3	Lub.Oil	Servo 100
Bearing DE/NDE	62052ZC3/62042ZC3		
<b>NRV For Lime pump discharge line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	90 MM	90 MM	
<b>SS Ball valve For Lime pump discharge line</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	90 MM	90 MM	
<b>SS Ball valve For bypass flowmeter line - Pump 1</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	80MM	80MM	80MM
<b>Description</b>	<b>Valve No:4</b>	<b>Valve No:5</b>	
Dia	80MM	80MM	
<b>SS Ball valve For bypass flowmeter line - Pump 2</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	80MM	80MM	80MM
<b>Description</b>	<b>Valve No:4</b>	<b>Valve No:5</b>	
Dia	80MM	80MM	
<b>Lime Milk Saturator Tank</b>			
<b>Motor No: 2 Nos</b>		<b>Mixer Gear drive : 2 Nos</b>	
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			
<b>Butter fly valve for Lime Milk saturation pump suction</b>			
<b>Description</b>	<b>Valve No:1</b>	<b>Valve No:2</b>	
Dia	150MM	150MM	

**LIST OF EQUIPMENT**  
**WATER TREATMENT PALNT**  
**LIME MILK WATER PUMP**

<b>EQUIPMENT DETAILS</b>	<b>Motor : 2 Nos</b>		<b>Pump : 2 Nos</b>	
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 <sup>3</sup> /Hr / CFB215mm
Speed	1455 Rpm		Speed	1455
Lubrication Grade	AP3		Lub.Oil	Servo 100
<b>NRV for Lime Milk saturation pump discharge line</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	
Dia	100MM		100MM	
<b>Butterfly valve for Lime Milk saturation pump discharge line</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	
Dia	100MM		100MM	
<b>Dismantling joint for Lime Milk saturation pump discharge line</b>				
<b>Description</b>	<b>Dismantling joint No:1</b>		<b>Dismantling joint No:2</b>	
Dia	100MM		100MM	
<b>SS Ball valve For Lime Milk saturation pump discharge flowmeter line</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	100MM		100MM	100MM
<b>Description</b>	<b>Valve No:4</b>			
Dia	100MM			
<b>Gate valve For Lime Milk saturation tank drain</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	<b>Valve No:3</b>
Dia	150MM		150MM	150MM
<b>SS Ball valve For Lime Milk saturation tank drain</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	
Dia	63 MM		63 MM	
<b>Description</b>	<b>Valve No:3</b>		<b>Valve No:4</b>	
Dia	63 MM		63 MM	
<b>Bronze Gate valve For Lime Milk saturation tank service water line</b>				
<b>Description</b>	<b>Valve No:1</b>		<b>Valve No:2</b>	
Dia	150 MM		150 MM	
<b>Chlorine Building</b>				
<b>Butterfly valve For Pre-Chlorine suction line</b>				
<b>Description</b>	<b>Valve No:1</b>			
Dia	65 MM			
<b>Pre-Chlorine Pump Details</b>				
	<b>Motor : 01 No</b>		<b>Pump :01 No</b>	
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				
<b>Butterfly valve For Pre-Chlorine discharge line</b>				
<b>Description</b>	<b>Valve No:1</b>			
Dia	60 MM			
<b>NRV For Pre-Chlorine discharge line</b>				
<b>Description</b>	<b>Valve No:1</b>			
Dia	60 MM			
<b>UPVC Ball valve For Pre-Chlorine discharge line</b>				
<b>Description</b>	<b>Valve No:1</b>			
Dia	63 MM			

**LIST OF EQUIPMENT**  
**WATER TREATMENT PALNT**

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

<b>Modified Starch P.P pump Details</b>			
<b>Motor No: 2 Nos</b>			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	25 M		
RPM	2800		
KW/HP	75/1		
<b>NA OH Feed pump Details</b>			
<b>Motor No: 1 No</b>			
Make	Kirloskar		
Type	KDS-134		
Size	25 x25		
Head	24 M		
RPM	2700		
KW/HP	37/.50		
<b>Raw Water Sampling Pump Details</b>			
<b>Motor : 01 No</b>		<b>Pump :01</b>	
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			
<b>Dosed Water Sampling Pump Details</b>			
<b>Motor : 01 No</b>		<b>Pump :01</b>	
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			
<b>Clarifier O/L Sampling Pump Details</b>			
<b>Motor : 01 No</b>		<b>Pump :01</b>	
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			
<b>Filter O/L Sampling Pump Details</b>			
<b>Motor : 01 No</b>		<b>Pump :01</b>	
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**

<b>CCT O/L Sampling Pump Details</b>			
<b>Motor : 01 No</b>		<b>Pump :01</b>	
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			
<b>Workshop</b>			

1. Overhead lifting beam with manually operated hoist- 1 Tonne capacity - 1 No
2. Forklift Trolley-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 TREATMENT 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 TREATMENT PLANT**

<b>12V,150AH,LEAD ACID BATTERIES</b>			
<b>Description</b>	<b>BATTERY-20No's</b>		
Make	NANDINI		
Model	TUBULAR		
Type	Lead Acid Battery		
Volt/AH	12/150AH		

<b>WTP CCR PLC PANEL</b>			
<b>Description</b>	<b>PLC PANEL</b>		
Make	WINTECH		
Type	Rockwell Automation		

<b>WTP FILTER BED MAIN PLC PANEL</b>			
<b>Description</b>	<b>PLC PANEL</b>		
Make	WINTECH		
Type	Rockwell Automation		

<b>WTP FILTER BED INDIVIDUAL PLC PANEL</b>			
<b>Description</b>	<b>FILTER BED-1</b>	<b>FILTER BED-2</b>	<b>FILTER BED-3</b>
Make	WINTECH	WINTECH	WINTECH
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
<b>Description</b>	<b>FILTER BED-4</b>	<b>FILTER BED-5</b>	<b>FILTER BED-6</b>
Make	WINTECH	WINTECH	WINTECH
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
<b>Description</b>	<b>FILTER BED-7</b>	<b>FILTER BED-8</b>	<b>FILTER BED-9</b>
Make	WINTECH	WINTECH	WINTECH
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation
<b>Description</b>	<b>FILTER BED-10</b>	<b>FILTER BED-11</b>	<b>FILTER BED-12</b>
Make	WINTECH	WINTECH	WINTECH
Type	Rockwell Automation	Rockwell Automation	Rockwell Automation

<b>LEVEL TRANSMITTER FILTER BED</b>			
<b>Description</b>	<b>FILTER BED-1</b>	<b>FILTER BED-2</b>	<b>FILTER BED-3</b>
	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
<b>Description</b>	<b>FILTER BED-4</b>	<b>FILTER BED-5</b>	<b>FILTER BED-6</b>
	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
<b>Description</b>	<b>FILTER BED-7</b>	<b>FILTER BED-8</b>	<b>FILTER BED-9</b>
	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
<b>Description</b>	<b>FILTER BED-10</b>	<b>FILTER BED-11</b>	<b>FILTER BED-12</b>
	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**

<b>PRESSURE TRANSMITTER FILTER BED</b>			
Description	<b>FILTER BED-1</b>	<b>FILTER BED-2</b>	<b>FILTER BED-3</b>
	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>
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	<b>FILTER BED-4</b>	<b>FILTER BED-5</b>	<b>FILTER BED-6</b>
	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>
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	<b>FILTER BED-7</b>	<b>FILTER BED-8</b>	<b>FILTER BED-9</b>
	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>
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	<b>FILTER BED-10</b>	<b>FILTER BED-11</b>	<b>FILTER BED-12</b>
	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>	<b>PRESSURE TRANSMITTER</b>
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
<b>FILTER BED POSITIONERS</b>			
Description	<b>FILTER BED-1</b>	<b>FILTER BED-2</b>	<b>FILTER BED-3</b>
	<b>POSITIONER-1</b>	<b>POSITIONER-2</b>	<b>POSITIONER-3</b>
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	<b>FILTER BED-4</b>	<b>FILTER BED-5</b>	<b>FILTER BED-6</b>
	<b>POSITIONER-4</b>	<b>POSITIONER-5</b>	<b>POSITIONER-6</b>
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	<b>FILTER BED-7</b>	<b>FILTER BED-8</b>	<b>FILTER BED-9</b>
	<b>POSITIONER-7</b>	<b>POSITIONER-8</b>	<b>POSITIONER-9</b>
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	<b>FILTER BED-10</b>	<b>FILTER BED-11</b>	<b>FILTER BED-12</b>
	<b>POSITIONER-10</b>	<b>POSITIONER-11</b>	<b>POSITIONER-12</b>
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	<b>OVER HEAD TANK</b>		
	<b>POSITIONER</b>		
Make	TYCO		
Type	AVID SMARTCAL		
Model No	SM-I1DDON		
Serial No	W00269417/006		

**LIST OF EQUIPMENT**  
**WATER TREATMENT PLANT**

<b>PRESSURE SWITCH FOR BLOWER HEADER LINE</b>			
Description	High Switch		Low Switch
	Pressure 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	<b>FLOW TRANSMITTER-1</b>		
Make	<b>KROHNE MARSHALL</b>		
Type	IFC100		
Serial No	I187443-W		
Size	DN150		

**SLUDGE PUMP ACTUATOR VALVE**

Description	<b>ACTUATOR-1</b>	<b>ACTUATOR-2</b>	
Make	<b>AUMA</b>	<b>AUMA</b>	
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	<b>LDB</b>		
	Output-12No's		

**10W,EMERGENCY LIGHT - 2 No's**

Description	<b>EMERGENCY LIGHT</b>		
	LT Panel-1No		
	Filter gallery-1No		

**2X28W FLUORESCENT LAMP FITTING - 100 No's**

Description	<b>2X28W FITTING</b>		
	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	<b>2X36W FITTING</b>		
	CCR Room -8No's		
	Accounts Office room-2No's		
	Lab-11No's		
	Office room-6No's		

**2X18W CFL LAMP FITTING - 4 No's**

Description	<b>2X18W FITTING</b>		
	Office room-4No's		

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

Description	<b>MH LAMP FITTINGS</b>		
	Supernant Pump house -4No's		
	Elevated pump house-4No's		

**250W,HPSV LAMP FITTING - 18 No's**

Description	<b>HPSV LAMP FITTINGS</b>		
	Filter building outdoor-18No's		

**1.50 TON AC - 4 No's**

Description	<b>1.50 TON AC</b>
	Laboratory-2No's
	AEE, AE Room-2No's

**2.0 TON AC - 5 No's**

Description	<b>2.0 TON AC</b>
	Laboratory-2No's
	CCR Room-3No's

**LIST OF EQUIPMENT  
WATER TREATMENT PLANT**

**CEILING FAN - 19 No's**

Description	<b>Ceiling Fan</b>		
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	<b>FIRE ALARM</b>		
	Main Panel-4No's		
	Hooter-4No's		
	Smoke detector-41No's		

**INTERCOM PANEL**

Description	<b>INTERCOM</b>		
	Siemens Hipath EPABX System -1No		
	Intercom Phones -24No's		

**CCTV SYSTEM**

Description	<b>CCTV</b>		
	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**

<b>Description</b>	<b>INCOMER-1</b>	<b>INCOMER-2</b>	
	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**

<b>Description</b>	<b>INCOMER-1</b>	<b>BUSCOUPLER</b>	<b>INCOMER-2</b>
	Outgoing Feeder-8		Outgoing Feeder-8

**LIST OF EQUIPMENT**  
**WATER TREATMENT 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	<b>LDB</b>		
	Output-4No's		
<b>INTERNAL LIGHTING DISTRIBUTION BOARD</b>			
Description	<b>ILDB-1</b>		
	Output-4No's		
<b>VENTILATION FAN DISTRIBUTION BOARD</b>			
Description	<b>SPDB-1</b>		
	Output-4No's		
<b>VENTILTION FAN - 13 No's</b>			
Description	<b>VENTILATION FAN</b>		
	LT panel Room-5No's		
	Ground Floor-8No's		
<b>10W,EMERGENCY LIGHT</b>			
Description	<b>EMERGENCY LIGHT</b>		
	LT Panel-1No		
<b>2X28W FLUORESCENT LAMP FITTING - 38 No's</b>			
Description	<b>2X28W FITTING</b>		
	LT Panel -15No's		
	Ground Floor-23No's		
<b>250W,HPSV LAMP FITTING - 4 No's</b>			
Description	<b>HPSV LAMP FITTINGS</b>		
	outdoor-4No's		

**WALL MOUNTED FAN**

Description	<b>Wall Mounted Fan</b>
Make	Usha
	Opearator Room-1No

**FIRE ALARM PANEL**

Description	<b>FIRE ALARM</b>		
	Main Panel-1No		
	Hooter-2No's		
	Smoke detector-30No's		

**4. SLUDGE HANDLING SYSTEM**

**415V,LT INDOOR SLUDGE HANDLING SYSTEM MCC PANEL**

<b>Description</b>	<b>INCOMER-1</b>	<b>BUSCOUPLER</b>	<b>INCOMER-2</b>
	Outgoing Feeder-9		Outgoing Feeder-9

**CAPACITOR PANEL**

Description	<b>CAPACITOR BANK</b>		
Make	<b>Epcos</b>		
Rating	60KVAR		
Voltage	415V		

**SLUDGE HANDLING SYSTEM PLC PANEL**

Description	<b>PLC PANEL</b>		
Make	<b>WINTECH</b>		
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	7ML5033IBA002A-Z	7ML5033IBA002A-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**

<b>150W,METAL HALIDE LAMP FITTING - 6 No's</b>			
Description	<b>MH LAMP FITTINGS</b>		
	Pump house indoor-6No's		

<b>250W,HPSV LAMP FITTING - 3 No's</b>			
Description	<b>HPSV LAMP FITTINGS</b>		
	outdoor-3No's		

<b>FIRE ALARM PANEL</b>			
Description	<b>FIRE ALARM</b>		
	Main Panel-1No		
	Hooter-1No		
	Smoke detector-14No's		

<b>PRESSURE SWITCH &amp; LEAK SENSOR</b>			
Description	<b>Pressure Switch-2No's</b>		
	<b>Leak Sensors-6No's</b>		
	<b>Leak Detector-6No's</b>		
	<b>Hooter-3No's</b>		

**6. CLARIFIER BUILDING**

**415V,LT INDOOR CLARIFIER MCC PANEL**

<b>Description</b>	<b>INCOMER-1</b>	<b>BUSCOUPLER</b>	<b>INCOMER-2</b>
	Outgoing feeders-3		Outgoing feeders-3

**CLARIFIER SLUDGE PUMP STARTER PANEL**

<b>Description</b>	<b>SLUDGE PUMP STARTER-1</b>	<b>SLUDGE PUMP STARTER-1</b>	
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	<b>SLUDGE TANK</b>		
	<b>LEVEL SWITCH</b>		
Make	TECHTROL		
Model No	CNS-JN-1USP2		
Type	TLC-N		

**CLARIFIER SYSTEM MAIN PLC PANEL**

Description	<b>PLC PANEL</b>		
Make	<b>WINTECH</b>		
Type	Rockwell Automation		

**CLARIFIER SYSTEM INDIVIDUAL PLC PANEL**

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

**CLARIFIER SYSTEM CONTROL DESK PANEL**

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

**PNEMAUTIC ACTUATOR VALVE**

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

**LIST OF EQUIPMENT**  
**WATER TREATMENT 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**

<b>Dewatering Pump : 2 Nos</b>	
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**

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

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

**FLOW METER**

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

**EXTERNAL LIGHTING DISTRIBUTION BOARD**

Description	<b>ELDB-1</b>		
	Output-4No's		

**INTERNAL LIGHTING DISTRIBUTION BOARD**

Description	<b>ILDB-1</b>		
	Output-4no's		

**10W,EMERGENCY LIGHT**

Description	<b>EMERGENCY LIGHT</b>		
	LT Panel-1No		

**2X28W FLUORESCENT LAMP FITTING - 18 No's**

Description	<b>2X28W FITTING</b>		
	LT Panel -4No's		
	PLC Panel room-4No's		
	Office room-10No's		

**250W,HPSV LAMP FITTING - 8 No's**

Description	<b>HPSV LAMP FITTINGS</b>		
	Tank outdoor-8No's		

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

Description	<b>HPSV LAMP FITTINGS</b>		
	outdoor-29No's		

**1.50 TON AC - 2 No's**

Description	<b>1.50 TON AC</b>
	Opearator Room-1No
	AEE Room-1No

**LIST OF EQUIPMENT  
MASTER BALANCING RESERVOIR**

**WALL MOUNTED FAN**

Description	<b>Wall Mounted Fan</b>
Make	Usha
	Opearator Room-1No

**FIRE ALARM PANEL**

Description	<b>FIRE ALARM</b>		
	Main Panel-1No		
	Hooter-1No's		
	Smoke detector-8No's		

**INTERCOM PANEL**

Description	<b>INTERCOM</b>		
	Power Ethernet Switch -1No		
	IP Phones-4No's		

**CCTV SYSTEM**

Description	<b>CCTV</b>		
	Camera-2No's		
	Video recorder-1No		
	Monitor-1No		

**STAFF QUARTERS**

Description	<b>A Quarters</b>	<b>B - 1 Quarters</b>	<b>B - 2 Quarters</b>
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>B - 3 Quarters</b>	<b>B - 4 Quarters</b>
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	<b>SECURITY CABIN</b>
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**

<b>CONTROL DESK - 1 No</b>			
Description	<b>Control Desk</b>		
Make	WINTECH		

**84 INCH LCD MONITOR**

Description	<b>84 Inch Monitor</b>		
Make	LG		
Model	84WS70MS		
Serial No	507KCVU7W311		

**PROJECTOR**

Description	<b>Projector</b>		
Make	Sharp		
Model	PG-LX3000		
Serial No	211911288		

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

**OPERATING SYSTEM - 3 No's**

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

**COMPUTER ACCESSORIES**

Description	<b>Keyboard-3No's</b>		
	<b>Mouse-3No's</b>		

**ROUTER - 2 No's**

Description	<b>VSAT ROUTER</b>	<b>GSM ROUTER</b>	
Make	<b>CISCO</b>	<b>CISCO</b>	
Model	CISCO 3945	CISCO 3945	
Serial No	DNP3927VR45	DNP3927WI02	

**3KVA,UPS**

Description	<b>UPS-1</b>	<b>UPS-2</b>	
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**

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

**LIST OF EQUIPMENT  
CENTRAL CONTTROL ROOM**

**UPS DISTRIBUTION BOARD**

Description	<b>UPS DB</b>
	Output-4No's

**PLC PANEL**

Description	<b>PLC PANEL</b>		
Make	WINTECH		
Type	Rockwell Automation		

**CONTROL DESK - 1 No**

Description	<b>Control Desk</b>		
Make	WINTECH		

**PROJECTOR**

Description	<b>Projector</b>		
Make	Sharp		
Model	PG-LX3000		
Serial No	211911291		

**1.50 TON AC - 2 No's**

Description	<b>1.50 TON AC</b>
	Opearator Room-2No's

**2X18W CFL LAMP FITTING**

Description	<b>2X18W FITTING</b>		
	Office room-6No's		

**CEILING FAN**

Description	<b>Ceiling Fan</b>
	Opearator Room-2No's

**INTERCOM PANEL**

Description	<b>INTERCOM</b>
	Power Ethernet Switch -1No
	IP Phones-4No's

**LIST OF LABORATORY EQUIPMENT**

S. No.	Item	Model No.	Make	Unit	Qty.
<b>A</b>	<b>Lab Equipments</b>				
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>B</b>	<b>Glasswares</b>				
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**

<b>S. No.</b>	<b>Item</b>	<b>Model No.</b>	<b>Make</b>	<b>Unit</b>	<b>Qty.</b>
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**

<b>S. No.</b>	<b>Item</b>	<b>Model No.</b>	<b>Make</b>	<b>Unit</b>	<b>Qty.</b>
57	Thermometer 110 °C	NA	Dimple	No's	1
58	Wall Thermometer	NA	Dimple	No's	1
<b>C</b>	<b>Online Analysers</b>				
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**

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

**LIST OF FLOWMETERS**

**WATER TRETMENT PLANT**

<b>TREATED WATER OUTLET</b>		
Description	<b>FLOW TRANSMITTER</b>	
Make	<b>KROHNE MARSHALL</b>	
Type	IFC100W	
Serial No	I16404743-C	
Size	DN1200	

**FILTER BUILDING O/H TANK FLOW METER**

Description	<b>FLOW TRANSMITTER-1</b>	
Make	<b>KROHNE MARSHALL</b>	
Type	IFC021	
Model No	AQUAFLUX	
Serial No	1121262	
Size	DN600	

**SUPERNANT PUMP OUTLET FLOW METER**

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

**ALUM FLOW METER**

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

**LIME SATURATION TANK FLOW METER**

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

**LIME TANK FLOW METER**

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

<b>THICKNER FLOW METER</b>		
Description	<b>THICKNER INLET-1</b>	<b>THICKNER INLET-2</b>
Make	<b>KROHNE MARSHALL</b>	<b>KROHNE MARSHALL</b>
Type	IFC021	IFC021
Model No	IFS4000	IFS4000
Serial No	1121251	1121252
Size	DN150	DN150

**CLARIFIER OUTLET FLOW METER**

Description	<b>FLOW TRANSMITTER</b>	
Make	<b>KROHNE MARSHALL</b>	
Type	IFC300	
Model No	CG30011GAC	
Serial No	I121840	
Size	DN1600	

**LIST OF FLOWMETERS**

**BOOSTER PUMPING STATION**

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

**LIST OF FLOWMETERS**

**MASTER BALANCING RESERVOIR**

<b>FLOW METER</b>		
Description	<b>1000dia FLOW METER</b>	<b>1500dia FLOW METER</b>
Make	<b>KROHNE MARSHALL</b>	<b>KROHNE MARSHALL</b>
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
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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 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	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
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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 Khrone 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
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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 Khrono 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:	Lakkimpatti-II
Tapping Point at Lakkimpatti-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						
<b>Tapping Point at Dharmapuri-Four Road - Municipality</b>							
Make - Rockwell Automation	PLC Panel Serial No: 100466559						
<b>Tapping Point at Dharmapuri-Four Road - Mukkalnaickanpatti</b>							
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				
<b>Flow meters/Flow Converters</b>							
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	1120241	Dharmapuri Municipality	5025	301.5	7404	444.24
200 DI	DN 150	1120950	Mukkal naickanpatti	926	55.56	1078	64.68
<b>Telemetry Work -M/s BSNL</b>							
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
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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
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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 Khrone 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
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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 Khrone 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
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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 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	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
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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 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	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
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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 Khrone 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

<b>Location:</b>	<b>Mukkalnaickanpatti</b>	
<b>Booster Pumping Station Pumping to Nallasenahalli</b>		
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

<b>Union Reservoir at Mukkalnaickanpatti</b>		
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
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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 C	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 C	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 Khrone 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	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
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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 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	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
<b>Tapping Point at Settikkarai</b>	
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	1120234	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
<b>Tapping Point at Vellolai TP</b>	
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

<b>Location:</b>	<b>Odasalpatti</b>	
<b>Union Reservoir at Odasalpatti - Harur</b>		
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

<b>Union Reservoir at Odasalpatti - Morappur</b>		
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
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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

<b>Location:</b>	<b>Harur</b>	
<b>Union Reservoir at Harur</b>		
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

<b>Tapping Point at Harur</b>	
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	1120988	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: Bommidu

Location:	B.Mallapuram
<b>Tapping Point at B.Mallapuram</b>	
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 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	1120392	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 : FGL163525ZT	
a) Pressure Transmitter	1	GSM Mobile No : 7598398685	

## SCADA INTERFACE WORKS -PACKAGE 3

District: Dharmapuri

Union: Bommidi

	<b>Location:</b>	<b>Pappireddipatti</b>
<b>Booster Pumping Station - Pumping to Bairanatham</b>		
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

<b>Booster Pumping Station - Pumping to B.Pallipatti</b>		
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 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 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

<b>Location:</b>	Vellolai - BPS	
<b>Booster Pumping Station - 1 - Pumping to Vellolai</b>		
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

<b>Location:</b>	<b>Maniampady</b>	
<b>Booster Pumping Station - Pumping to Maniampady</b>		
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

<b>Location:</b>	<b>Oshahalli</b>	
<b>Booster Pumping Station - Pumping to Oshahalli</b>		
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

<b>Location:</b>	Nallakuttalahalli	
<b>Booster Pumping Station - Pumping to Nallakuttalahalli</b>		
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

<b>Location:</b>	Keelmorappur
<b>Booster Pumping Station - Pumping to Keelmorappur</b>	
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

<b>Location:</b>	Parayapatti pudur	
<b>Booster Pumping Station - Pumping to Parayapatti pudur</b>		
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

<b>Location:</b>	Keerapatti
<b>Booster Pumping Station - Pumping to Keerapatti</b>	
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

<b>Location:</b>	Kottapatti -Annanagar	
<b>Booster Pumping Station - Pumping to Kottapatti Sitheri sitling</b>		
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

<b>Location:</b>	Pattukonampatti
<b>Booster Pumping Station - Pumping to Pattukonampatti</b>	
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

<b>Location:</b>	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

<b>Location:</b>	<b>Mahendramangalam</b>
<b>Booster Pumping Station - Pumping to Kaduchettipatti</b>	
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	
<b>Booster Pumping Station - Pumping to Ullukurukai &amp; Rayakottai UR</b>		
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

<b>Union Reservoir at Kaduchettipatti</b>		
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 Ca	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

<b>Location:</b>	Ullukurukai
<b>Booster Pumping Station - Pumping to Jakkeri</b>	
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

<b>Location:</b>	<b>Jakkeri</b>	
<b>Union Reservoir at Jakkeri MBR</b>		
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

<b>Union Reservoir at Jakkeri BPT</b>		
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

<b>Tapping Point at Jakkeri</b>	
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

<b>Location:</b>	Kundumaranapalli
<b>Booster Pumping Station - Pumping to Mathagiri</b>	
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

<b>Location:</b>	<b>Mathagiri</b>	
<b>Booster Pumping Station - Pumping to Binnamagalam</b>		
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

<b>Booster Pumping Station - Pumping to Hosur Union</b>		
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 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	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

	<b>Location:</b>	<b>Thinnur</b>
<b>Union Reservoir at Thinnur</b>		
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

<b>Tapping Point at Thinnur</b>	
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: Rayakottai

	<b>Location:</b>	Rayakkottai Thakkali Mandi
<b>Booster Pumping Station</b>		
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

<b>Location:</b>	Sulagiri
<b>Booster Pumping Station</b>	
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

<b>Location:</b>	kuriyanapalli	
<b>Booster Pumping Station</b>		
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

<b>Location:</b>	Pathimadugu
<b>Booster Pumping Station</b>	
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
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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

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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 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
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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 C	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

<b>Location:</b>	<b>Kundumaranapalli (Bairamangalam)</b>		
<b>Booster Pumping Station</b>			
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

<b>Location:</b>	<b>Doddamanchi</b>		
<b>Booster Pumping Station</b>			
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

<b>Location:</b>	<b>Beganatham</b>	
<b>Booster Pumping Station</b>		
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

<b>Location:</b>	Binnamangalam
<b>Booster Pumping Station</b>	
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

<b>Location:</b>	<b>Agala Kotta</b>	
<b>Booster Pumping Station</b>		
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

<b>Location:</b>	Thummanapalli
<b>Booster Pumping Station</b>	
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

<b>Location:</b>	Thagati
<b>Booster Pumping Station</b>	
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

<b>Location:</b>	<b>Athinatham</b>	
<b>Booster Pumping Station</b>		
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

<b>Location:</b>	<b>Billikal</b>		
<b>Booster Pumping Station</b>			
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

<b>Location:</b>	<b>Kodakarai</b>	
<b>Booster Pumping Station</b>		
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 : FGL1635262B
a) Pressure Transmitter	0	GSM Mobile No : 7598399834

## SCADA INTERFACE WORKS -PACKAGE 4

District: Krishnagiri

Union: Denkanikottai

<b>Location:</b>	<b>Betamugilalam</b>	
<b>Booster Pumping Station</b>		
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
<b>Tapping Point at Pudur Sump</b>	
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 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	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
<b>Tapping Point at Sinthalapalli Sump</b>	
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 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	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
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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 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	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
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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 Khrone 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
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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	1121001	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 Khrone 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
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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 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	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

	<b>Location:</b>	<b>Avathanapatti</b>
<b>Booster Pumping Station - 1</b>		
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

<b>Booster Pumping Station - 2</b>		
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
<b>Tapping Point at Periyamuthur</b>	
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

<b>Location:</b>		<b>Kaveripattinam</b>	
<b>Union Reservoir at Kaveripattinam</b>			
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

<b>Tapping Point at Kaveripattinam</b>	
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
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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 Annamalahalli	
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 Khrone 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

<b>Location:</b>		<b>Moongilpatty</b>	
<b>Booster Pumping Station - 1 - Pumping to Krishnagiri Union</b>			
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

<b>Booster Pumping Station - 2 - Pumping to Palacode Union</b>			
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 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 Khrono 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
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<b>Booster Pumping Station</b>		
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

<b>Union Reservoir at Pikkili</b>		
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

<b>Tapping Point at Pikkili</b>	
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 Khrone 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

	<b>Location:</b>	<b>O.G Halli</b>
<b>Booster Pumping Station</b>		
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

<b>Tapping Point at O.G Halli</b>			
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 CILA 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)