

VOLUME - 3 : PRICE FORMAT

Revision-00

Project: 2X250MW SIKKA THERMAL PROJECT(CHP & AHP)- Extension Unit 3 & 4

Customer: Gujarat State Electricity Corporation Limited

Contract No. IS-1-07-2006 /082

Enquiry Ref: 88/12/6044/SV

Item Description : Erection & Commissioning of Electrical Works for AHP & CHP.

All Prices in Rupees

SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
1	Erection of 2000 KVA 6.6/0.433 KV Transformers in all respect at Yard Near Crusher House(CHP) Size: 3.5 m x 3 m x 3m Appox. Wt. 5000 Kgs/unit	Nos	2	Included.		
2	Erection of 1600 KVA 6.6/0.433 KV Transformers in all respect at Yard Near JNT1(CHP) Size: 3.5 m x 3 m x 3m Appox. Wt. 5000 Kgs/unit	Nos	2	Included.		
3	Erection of 1000 KVA 6.6/0.433 KV Transformers in all respect at Yard Near Wagon Tippler MCC's (WT3 & WT4)(CHP) & AHP CONTROL rooms for unit 3 & 4 Size: 3.5 M x 3 m x 3m Appox. Wt. 5000 Kgs/unit	Nos	6	Included.		
4	Erection of 415 V LTMCC Panels in all respect at main Switchgear (CHP) room. Size: 22.4m x 1.4m x 2.6 (H) Appox. Wt. 1500 Kgs / Shipping section Each shipping section consists of 2 panels	Shipping Section	14	Included.		
5	Erection of 415 V LTMCC Panels in all respect at Near or in JNT1 (CHP) MCC Room in ground floor Size: 16.7 m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / Shipping section	Shipping Section	10	Included.		

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	Each shipping section consists of 2 panels					
6	Erection of 415 V LTMCC Panels in all respect at WT3(CHP) MCC Room at a height of 10 mtrs. Size: 14.9m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / Shipping section Each shipping section consists of 2 panels	Shipping Section	9	Included.		
7	Erection of 415 V LTMCC Panels in all respect at WT4(CHP) MCC Room at a height of 10mtrs. Size: 14.9 m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / Shipping section Each shipping section consists of 2 panels	Shipping Section	9	Included.		
8	Erection of 415 V LTMCC Panels in all respect at Unit 3 (AHP) MCC Room. Size: 11.5 m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / Shipping section Each shipping section consists of 2 panels	Shipping Section	7	Included.		
9	Erection of 415 V LTMCC Panels in all respect at UNIT 4 (AHP) MCC Room. Size: 11.5 m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / Shipping section Each shipping section consists of 2 panels	Shipping Section	7	Included.		
10	Erection of 415 V LTMCC Panels in all respect at SILO (AHP) MCC Room. Size: 9.3m x 1.0m x 2.4(H) Appox. Wt. 1500 Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	6	Included.		
11	Erection of 415 V ACDB for Lighting and Aux. in all respect at WT3(CHP) MCC Room at a height of 10mtrs.	Shipping Section	1	Included.		

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
	Size:1700mmx650mm(D)x2125mm(H)					
	Appox. Wt. 1000 Kgs / shipping section					
	Each shipping section consists of 2 panels					
12	Erection of 415 V ACDB for Lighting and Aux. in all respect at WT4 (CHP) MCC Room at a height of 10mtrs.	Shipping Section	1	Included.		
	Size:1700mmx650mm(D)x2125mm(H)					
	Appox. Wt. 1000 Kgs / shipping section					
	Each shipping section consists of 2 panels					
13	Erection of 415 V ACDB for Lighting and Aux. in all respect at CHP Switchgear Room	Shipping Section	1	Included.		
	Size:1550mmx1300mm(D)x2125mm(H)					
	Appox. Wt. 2000 Kgs / shipping section					
	Each shipping section consists of 2 panels					
14	Erection of 415 V ACDB for Lighting and Aux. in all respect Near or in JNT1 (CHP) MCC Room	Shipping Section	1	Included.		
	Size: 1450mmx1050mm(D)x2125mm(H)					
	Appox. Wt. 1000Kgs / shipping section					
	Each shipping section consists of 2 panels					
15	Erection of 415 V ACDB for Lighting and Aux. Unit 3 (AHP) MCC Room in all respect.	Shipping Section	1	Included.		
	Size:1700mmx650mm(D)x2125mm(H)					
	Appox. Wt. 1000Kgs / shipping section					
	Each shipping section consists of 2 panels					
16	Erection of 415 V ACDB for Lighting and Aux. in all respect at Unit 4 (AHP)MCC Room	Shipping Section	1	Included.		
	Size:1700mmx650mm(D)x2125mm(H)					
	Appox. Wt. 1000Kgs / shipping section					

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	Each shipping section consists of 2 panels					
17	Erection of 415 V ACDB for Lighting and Aux. in all respect at Silo MCC Room Size:1700mmx650mm(D)x2125mm(H) Appox. Wt. 1000Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	1	Included.		
18	Erection of 415V AC DB for Welding Sockets in all respect at WT3(CHP) MCC Room at a height of 10Mtr Size:2500mmx650mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		
19	Erection of 415V AC DB for Welding Sockets in all respect at WT4(CHP) MCC Room at a height of 10Mtr Size:2500mmx650mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		
20	Erection of 415V AC DB for Welding Sockets in all respect at Crusher House(CHP) switchgear room Size:3700mmx1300mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		
21	Erection of 415V AC DB for Welding Sockets in all respect Near or in JNT1(CHP) MCC Room Size:2500mmx1100mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
22	Erection of 415 V ACDB for Welding Sockets Unit 3 (AHP) MCC Room in all respects. Size:2500mmx1100mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		
23	Erection of 415 V ACDB for Welding Sockets in Unit 4 (AHP) MCC Room in all respect. Size:2500mmx1100mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	2	Included.		
24	Erection of 415 V ACDB for Welding Sockets in Silo MCC Room in all respect. Size:2500mmx1100mmx2400mm(H) Appox. Wt. 1500Kgs / shipping section Each shipping section consists of 2 panels	Shipping Section	1	Included.		
25	Erection of 220V DC Distribution Board - wall Mouted type in WT3(CHP) MCC Room at a height of 10mtr. Size:850mm(W)x 350(D) x950mm(H) Appox. Wt. 30Kgs / shipping section Each shipping section consists of 1 panels	Shipping Section	1	Included.		
26	Erection of 220V DC Distribution Board - wall Mounted type in WT4(CHP) MCC Room at a height of 10mtr Size:850mm(W) 950mm(H) x 350mm(D) Appox. Wt. 30Kgs / shipping section Each shipping section consists of 1 panels	Shipping Section	1	Included.		
27	Erection of 220V DC Distribution Board - wall Mouted type in CH(CHP) MCC Room .	Shipping Section	1	Included.		

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
	Size:850mm(W)x950mm(H)x350mm(D)	Section				
	Appox. Wt. 30Kgs / shipping section					
	Each shipping section consists of 1 panels					
28	Erection of 220V DC Distribution Board -wall Mouted type in JNT1(CHP) MCC Room.	Shipping Section	1	Included.		
	Size:850mm(W)x950mm(H)x350mm(D)					
	Appox. Wt. 30Kgs / shipping section					
	Each shipping section consists of 1 panels					
29	Erection of 220V DC Distribution Board - wall Mouted type in UNIT 3(AHP) MCC Room.	Shipping Section	1	Included.		
	Size:850mm(W)x950mm(H)x350mm(D)					
	Appox. Wt. 30Kgs / shipping section					
	Each shipping section consists of 1 panels					
30	Erection of 220V DC Distribution Board -wall Mouted type in UNIT 4 (AHP)MCC Room.	Shipping Section	1	Included.		
	Size:1.2(W) 1.625(H) x 0.450m(D)					
	AppoxWt: 30 Kgs					
31	Erection of 220V DC Distribution Board - wall Mouted type in SIL0(AHP) MCC Room.	Shipping Section	1	Included.		
	Size:850mm(W)x950(H) x 350m(D)					
	AppoxWt: 30 Kgs					
32	Erection of Unit 3 & 4 R I/O Panel in WT3(CHP) MCC room at height of 10mtr	Panels	1	Included.		
	Size:1.2mX0.8m(D)X2.5m(H) - 1 Panels					
	AppoxWt: 300 Kgs/Panel					

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
33	Erection of Unit 3 & 4 R I/O Panel in WT4(CHP) MCC room at a height of 10mtrs Size:1.2mX0.8m(D)X2.5m(H) - 1 Panels AppoxWt: 300 Kgs/Panel	Panels	1	Included.		
34	Erection of Unit 3 & 4 R I/O Panel in CH(CHP) MCC room. Size:1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	2	Included.		
35	Erection of Unit 3 & 4 R I/O Panel in JNT1(CHP) MCC room. Size:1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	2	Included.		
36	Erection of PLC(CPU) & RI/O panels for Unit 3 & 4(CHP) in Control Room at aheight of 10mtrs Size:1.2mX0.8m(D)X2.5m(H) - 2 Panel& 0.8mx0.35mx2.5m- 2panel AppoxWt: 300 Kgs/Panel	Panels	4	Included.		
37	Erection of Unit 3 & 4 R I/O Panel in UNIT 3(AHP) MCC room. Size:1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	2	Included.		
38	Erection of Unit 3 & 4 R I/O Panel in UNIT 4(AHP) MCC room. Size:1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	2	Included.		
39	Erection of Unit 3 & 4 R I/O Panel in SILO(AHP) MCC room. Size:1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	2	Included.		

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40	Erection of PLC(CPU) & RI/O panels for Unit 3 & 4(AHP) in Control Room at aheight of 10mtr Size:0.8mX0.35m(D)X2.5m(H) - 2 Panel & 1.2mX0.8m(D)X2.5m(H) - 2 Panels AppoxWt: 300 Kgs/Panel	Panels	4	Included.		
41	PC System for PLC MMI Station for CHP & AHP at a height of 10 mtr	set	2	Included.		
42	Erection of Unit 3 & 4 HT Panel in (CHP) MCC Room. Size:1.2mX0.8m(D)X2.5m(H) - 24 Panels AppoxWt: 400 Kgs/Panel	Panels	24	Included.		
43	Erection of Unit 3 & 4 HT Panel in (AHP) MCC Room. Size:1.2mX0.8m(D)X2.5m(H) - 19 Panels AppoxWt: 400 Kgs/Panel	Panels	19	Included.		
44	415 V LT Bus ducts for Transformers- LT Switchgear connection in Plant area - size 1200 X 800 mm size ; MCC in WT-3 & WT-4 are at aheight of 10mtr 20 Kg per Meter.	set (7Mtr.) (11Mtr.) (21 Mtr) (18.1Mtr)	 28 (7x4 sets) 22 (11x2sets) 22 (21x2sets) 36.2 (18.1x2 sets)	 Included. Included. Included. Included.		
45	Erection of of 6.6KV, 500KW HT Motors for Crushers in CH (including Shifting, placing on foundation, ersion, testing & commissioning) Approx Weight : 5750KG/Motor	Nos	2	Included.		
46	Erection of 6.6KV, 250KW HT Motors for Conveyer BCN 1A3 & 1B3(including Shifting, placing on foundation, ersion, testing & commissioning) Approx Weight : 2750 KG/Motor	Nos	2	Included.		

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47	Erection of 6.6KV, 180KW HT Motors for Conveyor BCN 4A & 4B (including shifting, placing on foundation, erection, testing & commissioning) Approx Weight : 2700 KG/Motor	Nos	2	Included.		
48	Erection of 6.6KV, 250KW HT Motors for Compressors in Compressor house (including shifting, placing on foundation, erection, testing & commissioning) Approx Weight : 2800 KG/Motor	Nos	4	Included.		
49	Erection of 6.6KV, 200KW HT Motors for Slurry pumps.(including shifting, placing on foundation, erection, testing & commissioning) Approx Weight : 2700 KG/Motor	Nos	4	Included.		
50	Earthing System works in Plant Area of CHP & AHP . Scope includes welding also.					
50.1	40mm MS Earth Rod laying at depth of approximately 0.6 meter below ground level	MT	6	Included.		
50.2	MS Galvansied Earth Flats of various sizes in control rooms / Plant area and outdoor switchyard/ transformer yard for equipment earthing	MT	12	Included.		
50.3	Treated Earth Pits for Transformers, with all materials, mason work including CI covers etc.(Supply of earth electrodes & accessories etc to complete complete earthing is in vendors scope)	Nos	35	Included.		
50.4	Earth Pits with Driven Rods (40mm rod will be supplied by BHEL)	Nos	100	Included.		
50.5	Earth Pit for Electronic system Earthing (3 Rods in Delta or Traingle formation and connecting to panel thro' cable.)(40mm rod will be supplied by BHEL)	Sets	15	Included.		
51	Lightening Protection system in Plant Area including vertical & Horizontal Connection (CHP & AHP). Scope includes welding also					
51.1	Directly driven earth electrode pits (40mm rod will be supplied by BHEL)	Nos	33	Included.		

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51.2	MS gal .Earth flats laying (flats will be supplied by BHEL)	Kg	6000	Included.		
51.3	MS gal. earth wire (8swg wire will be supplied by BHEL)	Kg	1000	Included.		
52	HT Cable Laying -XLPE TYPE(Includes laying,dressing,supply & fixing of clamps with required accessories etc. at site.)					
52.1	6.6 KV (UE) HT Cable 3 x 300 sq. mm	Meter	6000	Included.		
52.2	6.6 KV (UE) HT Cable 3 x 185 sq. mm	Meter	6000	Included.		
53	LT Power Cable Laying - Armoured Al cables of CHP & AHP (Includes laying,dressing,supply & fixing of clamps with required accessories etc. at site.) as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
53.1	3C x 300 sq.mm Stranded Al, Circular armoured with XLPE Insulation	Meter	10500	Included.		
53.2	3.5C x 240 sq.mm Stranded Al, Circular armoured with XLPE Insulation	Meter	2000	Included.		
53.3	3C x 185 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	1000	Included.		
53.4	3C x 120 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	3000	Included.		
53.5	3C x 95sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	4000	Included.		
53.6	3C x 70 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	3500	Included.		
53.7	3.5C x 50 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	4000	Included.		
53.8	3C x 50 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	1000	Included.		
53.9	3C x35 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	6000	Included.		
53.10	4C x 25 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	4500	Included.		
53.11	3C x 25 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	4500	Included.		
53.12	3C x 16 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	10000	Included.		
53.13	4C x 10 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	2500	Included.		
53.14	3C x 10 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	8000	Included.		
53.15	3.5C x35 sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	8000	Included.		

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53.16	2C x 95sq.mm Stranded Al, Circular armoured with PVC Insulation	Meter	2500	Included.		
54	LT Control Cables Laying - Armoured Copper cables CHP & AHP (Includes laying,dressing,supply & fixing of clamps with required accessories etc. at site.)as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
54.1	2C x 2.5 sq.mm	Meter	2000	Included.		
54.2	3C x 2.5 sq.mm	Meter	10000	Included.		
54.3	4C x 2.5 sq.mm	Meter	6000	Included.		
54.4	5C x 2.5 sq.mm	Meter	9000	Included.		
54.5	7C x 2.5 sq.mm	Meter	22000	Included.		
54.6	10C x 2.5 sq.mm	Meter	13000	Included.		
54.7	16C x 2.5 sq.mm	Meter	21000	Included.		
55	Screened Cables Laying for Instrumentation system / Communication system CHP & AHP (Includes laying,dressing,supply & fixing of clamps with required accessories etc. at site.)as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
55.1	2 x 2 x 0.5 sq.mm	Meter	7000	Included.		
55.2	4 x 2 x 0.5 sq.mm	Meter	20000	Included.		
54.3	8 x 2 x 0.5 sq.mm	Meter	17000	Included.		
54.4	10x 2 x 0.5 sq.mm	Meter	16000	Included.		
54.5	10T x 0.5 sq.mm	Meter	2500	Included.		
54.6	4Px16 AWG Thermo couple extension cable.	Meter	2500	Included.		

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54.6	PLC communication (fiber optic) cable to be laid inside the conduit, laying of conduit is also included in the scope.	Meter	11600	Included.		
56	HT Power Cable Termination - Type XLPE (Note: One number termination indicates termination of cable at both the ends& Kits will be supplied by BHEL)					
56.1	6.6 KV(UE) HT Cable 3 x 300 sq.mm end Termination	Nos	36	Included.		
56.2	6.6 KV (UE) HT Cable 3 x 185 sq.mm end Termination	Nos	30	Included.		
56.3	Straight through joints for 6.6 KV (UE) HT 3 x 300 sq.mm Cable	Nos	8	Included.		
56.4	Straight through joints for 6.6 KV (UE) HT 3 x 185 sq.mm cable	Nos	8	Included.		
57	LT Power Cable Termination - (Including supply of Glands and Lugs of reputed make like COMET (Note: One number termination indicates termination of cable at both the ends) CHP & AHP as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
57.1	3C x 300 sq.mm	Nos	62	Included.		
57.2	3.5C x 240 sq.mm	Nos	10	Included.		
57.3	3C x 185 sq.mm	Nos	16	Included.		
57.4	3C x 120 sq.mm	Nos	36	Included.		
57.5	3C x 95 sq.mm	Nos	20	Included.		
57.6	3Cx 70 sq.mm	Nos	76	Included.		
57.7	3.5C x 50 sq.mm	Nos	10	Included.		
57.8	3C x 50 sq.mm	Nos	18	Included.		
57.9	3C x 35 sq.mm	Nos	70	Included.		
57.10	4C x 25 sq.mm	Nos	70	Included.		
57.11	3C x 25 sq.mm	Nos	34	Included.		

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57.12	3C x 16 sq.mm	Nos	146	Included.		
57.13	4C x 10 sq.mm	Nos	54	Included.		
57.14	3C x 10 sq.mm	Nos	90	Included.		
57.15	3.5C x 35 sq.mm	Nos	76	Included.		
57.16	2Cx95 sq.mm	Nos	10	Included.		
58	LT Control Cable Termination - (Including supply of Glands and Lugs of reputed make like COMET (Note: One number termination indicates termination of cable at both the ends) as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
58.1	2C x 2.5 sq.mm	Nos	60	Included.		
58.2	3C x 2.5 sq.mm	Nos	40	Included.		
58.3	4C x 2.5 sq.mm	Nos	50	Included.		
58.4	5C x 2.5 sq.mm	Nos	336	Included.		
58.5	7C x 2.5 sq.mm	Nos	186	Included.		
58.6	10Cx 2.5 sq.mm	Nos	118	Included.		
58.7	16C x 2.5 sq.mm	Nos	266	Included.		
59	Screened Cable Termination - for Instrumentation system / communication system (Including supply of Glands and Lugs of reputed make like COMET(Note: One number termination indicates termination of cable at both the ends) as per clause 2.8 (page no. 11 of 14) of our enquiry specs IS-1-07-2006/082 dtd 5/04/2012					
59.1	2 x 2 x 0.5 sq.mm	Nos	286	Included.		
59.2	4 x 2 x 0.5 sq.mm	Nos	490	Included.		
59.3	8 x 2 x 0.5 sq.mm	Nos	154	Included.		

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All Prices in Rupees						
SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
59.4	10 x 2 x 0.5 sq.mm	Nos	234	Included.		
59.5	10Tx 0.5 sq.mm	Nos	32	Included.		
59.6	PLC Communication(fiber optic) cable termination	Nos	40	Included.		
59.7	4Px16 AWG thermo couple extenstion cable	Nos	32	Included.		
60	Services for					
60.1	Obtaining electrical license for 6.6 KV line charging and other electrical equipments.	Lump sum	1			
60.2	Oil filtration of 2000KVA-2TFR,1600KVA-2TFR & 1000KVA-6TFR transformers(APPR. 2500 liters each)	Nos.	10	Included.		
60.3	Windows type AC unit installation	Nos	20	Included.		
60.4	FIRE-PROOF SEALING OF CABLE PENETRATION(including Material) and Fire resistant coating on the cables laid in CHP & AHP area of the plant (material supply is in vendors scope)	kg	500	Included.		
61	Erection of Earthing & lightning protection material including trench excavation & back filling for earth strips.					
61.1	Galvanized MS flat, 75x10 mm	Mtrs	4000	Included.		
61.2	Galvanized MS flat, 50x10 mm	Mtrs	12000	Included.		
61.3	Galvanized MS flat, 25x6mm	Mtrs	2000	Included.		
61.4	Galvanized MS flat, 25x3mm	Mtrs	2000	Included.		
61.5	G.I Wire 8 SWG	Mtrs	2000	Included.		
61.6	Text link box	Mtrs	70	Included.		
61.7	Insulators	Sets	424	Included.		

Customer: Gujarat State Electricity Corporation Limited						
Contract No. IS-1-07-2006 /082						
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All Prices in Rupees						
SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
62	Erection of ready fabricated cable Trays including coupler plates & Bends,etc. Trays are Ladder & Perforated type. Any additional required bends to be fabricated with available trays,					
62.1	600 mm wide Ladder type	Mtrs	2750	Included.		
62.2	300 mm wide Ladder type	Mtrs	3500	Included.		
62.3	600 mm wide Peforated type	Mtrs	1250	Included.		
62.4	300 mm wide Peforated type	Mtrs	1500	Included.		
62.5	150 mm wide Peforated type	Mtrs	3550	Included.		
63	Erection of Control Desk Weight 2000 Kg at a height of 10mtrs in CHP & AHP Size:4.52m(w)X1.6m(D)X2.45m(H) -1 No. in CHP Size:4.52m(w)X1.6m(D)X3m(H) -1 No. in AHP	Nos.	2	Included.		
64	L.T Cable Staight jointing charges(kit supply cost to be included)	Nos	25	Included.		
65	Fabrication and erection of steel support & structures for cable tray support and other erection work including painting of the fabricated tray supports. Supply of paint is in bidders scope. The required primer & paint has to be procured by the bidder. All equipment's after erection shall be Touch Painted by bidder as per standards/ approved colour schemes.	Tons	30	Included.		

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
66	Fabrication & Erection of base frame support necessary for erection of panels such as MCC, PLC,Control panles, Control Desks, DCDB or any other panel/ eqpt/ items in the following area including painting of the fabricated supports.Supply of paint is in vendor's scope . The panel/ item/equipment may be base mounted on the cable trench, floor mounted/ wall mounted or structure mounted in conveyor galleries, JNTs & Crusher House, , ESP area and pump houses etc., and on concrete walls in MCC rooms , cable trenches etc using Anchor Fastners including supply of suitable Anchor Fastners.	Tons	70	Included.		
67	Misc items supply & Erection such as					
67.1	Rubber Mats(for placing in front of HT & LT cubicles)	Sq.Mtr	300	Included.		
67.2	Caution Board	Nos	20	Included.		
67.3	Danger Board	Nos	20	Included.		
67.4	Shock treatment Charts	Nos	10	Included.		
68	Trench Excavation & back filling for Road crossing of cable	cmt	250			
69	Supply & Laying of cable protection pipes hume/GI pipe /conduit upto 200mm	Rmtrs	1000	Included.		
70	Erection of Neutral Grounding Resistors	Nos	100	Included.		
71	Erection of Field Devices					
71.1	Pull Chord switches	Nos	232.00	Included.		
71.2	Pull Chord Wire	Mtrs	2,000.00	Included.		
71.3	Erection Proximity switch	Nos	30.00	Included.		

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All Prices in Rupees						
SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
71.4	Belt sway switches	Nos	152.00	Included.		
71.5	Zero speed switches	Nos	20.00	Included.		
71.6	Limit swiches	Nos	50.00	Included.		
71.7	Electric siren	Nos	15.00	Included.		
71.8	Pressure Transmitters	Nos	5.00	Included.		
71.9	Pressure Gauge	Nos	5.00	Included.		
71.10	Flow Transmitters	Nos	5.00	Included.		
71.11	Flow Meter	Nos	5.00	Included.		
71.12	Temperature scanner	Nos	5.00	Included.		
71.13	Level Transmitters	Nos	5.00	Included.		
71.14	Level Indicators	Nos	5.00	Included.		
71.15	Actuators for Valves	Nos	5.00	Included.		
71.16	Flow switches	Nos	5.00	Included.		
71.17	Pressure switches	Nos	5.00	Included.		
72	Vibration Monitoring/Temperature Scanner Panels Erection at a ht of 10mtr	Nos.	4	Included.		
	AppoxWt: 300 Kgs/Panel (5 Panels)					
	Size: 0.8m(W)x0.6m(D)x1.5m(H)					
73	Installation of Station Battery banks and battery charger with fuse boxes, discharge resistors etc and Charging of batteries etc. Price shall include charging of battery peridically	Sets	4	Included.		
	AppoxWt: 300 Kgs/set (4 sets)					
	Size: 3.3m(W)x0.5m(D)x1.8m(H)					

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SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
74	Erection of UPS , Battery banks (5KVA& 3KVA), isolation transformers(IT) and ACDB & at a height of 10 mtr. Price shall include charging of battery periodically AppoxWt: 300 Kgs/set (5 set) UPS Size: 1.1m(W)x0.8m(D)x1.225m(H). IT size: 0.5m(W)x0.6m(D)x0.6m(H); & ACDB size : 0.47m(W)x0.095m(D)	Sets	5	Included.		
75	Erection of electrical fan-1400mm	Nos.	142	Included.		
76	Erection of out door Load break switch panels in all respect near transformer yards. Size: 0.72m(W)x1m(D)x2.2m(H)	Nos.	6	Included.		
77	Providing competent testing agency for testing & commissioning of all the electrical equipments, arranging the instruments like relay test kits, Primary and secondary current injection kits, Hi-Pot test kits, Insulation oil test kits, Transformer oil filtration machine, Earth megger, LT Megger, HT Megger, phase sequence meter, Multimeter, Tong testers, micro-ohm meter, DG set, other testing & commissioning instruments as required and further distribution of the testing / commissioning power supply & any other instrument required to test / commission all above equipments including supply of skilled / unskilled manpower to carry out the testing activities. Preparation and arranging the customer certification of joint commissioning protocol/ commissioning reports for each above mentioned individual equipment wherever required. Supporting the commissioning / handing over activities till completion of the PG test.	Lot	1			
78	Man Power Supply for commissioning assistance.					
78.1	Skilled Man power / Electrician/Fitter/Helper for commissioning assistance*	per day	250			

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All Prices in Rupees						
SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
78.2	Un-Skilled Man Power	per day	250			
78.3	Skilled Man Power /Electrician/ Fitter/Helpers for commissioning assistance*	per hour	1000			
78.4	Un-Skilled Man Power	per hour	1000			
78.5	Skilled Computer Operator	per day	250			
78.6	Un armed Security guard	per day	900			

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All Prices in Rupees						
SL. No.	ITEM DESCRIPTION	UNIT	QTY.	Storage, Stores management, Transport to site and Erection & Commissioning.	Unit Price	Total Price
79	Material Receipt :-					
	This includes Unloading from lorry, Shifting to covered storage /openyard, stacking, Manning, Marking for easy identification, & transporting to site Accounting of materials, Issue for erection at the time of erection etc.	Ton	100			
	NOTE : * Commissioning assistance along with tools (Meggar, multimeter, screwdriver set, spanner set, continuity tester etc.) on daily / hourly rate basis shall be quoted.					
	TOTAL (SI.Nos.1 to 79) for evaluation of L1 Status					
	Service Tax					
	Grand Total (in figures)					
	Grand Total in words (Rupees					

Notes:

1. L1 status shall be derived based on total price excluding Service tax.
- 2) In case of discrepancy between 'prices in figures' and 'price in words' in the price format, the price entered in words shall prevail and shall be taken for tender evaluation and finalization of Award of work.
- 3) In case of discrepancy between unit price and total price the unit price shall prevail and the total price shall be corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, then the total price as quoted shall govern and the unit price corrected accordingly.
- 4) If there is an error in Total corresponding to the addition or subtraction of sub totals the sub totals shall prevail and the total shall be corrected accordingly.

Date:	Signature
Place :	Designation
	Co.name with Seal