

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS						
PRICE SCHEDULE						
SCHEDULE A :- BHEL SUPPLIED & CONTRACTOR'S INSTALLATION,ERECTION & COMMISSIONING						
Sl. No.	Item	Unit	Qty.	Unit Rate for Service (Rs.)	Amount for Service (Rs.)	
1	6.6 KV Switchgear					
1.1	Unit Switchboard - 9A	Panels	15			
1.2	Unit Switchboard - 9B	Panels	15			
1.3	Unit Switchboard - 10A	Panels	15			
1.4	Unit Switchboard - 10B	Panels	15			
1.5	Station Switchboard - IV A	Panels	19			
1.6	Station Switchboard - IV B	Panels	17			
2	Bus Changeover Panels	Nos.	4			
3	Unit Control Panels	Nos.	2			
4	Protection Panels	Nos.	2			
5	LT Switchgear					
	Emergency MCC Unit - Common for both Units (Double Front Panel Sections)	Nos	7			
	Turbine MCC Unit - 9 (Double Front Panel Sections)	Nos	7			
	Turbine MCC Unit - 10 (Double Front Panel Sections)	Nos	7			
	Unit Service Switchgear Unit - 9 (Single Front Panel Sections)	Nos	8			
	Unit Service Switchgear Unit - 10 (Single Front Panel Sections)	Nos	8			
	Station Service Switchgear - 4A (Single Front Panel Sections)	Nos	14			
	Station Service Switchgear - 4B (Single Front Panel Sections)	Nos	13			
	Standby Switchgear (Combined for Units 9 & 10) (Single Front Panel Sections)	Nos	5			
	ACDB - 1 (Single Front Panel Sections)	Nos	6			
	ACDB - 2 (Single Front Panel Sections)	Nos	5			

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE A :- BHEL SUPPLIED & CONTRACTOR'S INSTALLATION,ERECTION & COMMISSIONING					
Sl. No.	Item	Unit	Qty.	Unit Rate for Service (Rs.)	Amount for Service (Rs.)
	ACDB - 3 (Single Front Panel Sections)	Nos	5		
	ACDB - 4 (Single Front Panel Sections)	Nos	4		
	Centrifuge Panel Unit - 9 (Single Front Panel Sections)	Nos	1		
	Centrifuge Panel Unit - 10 (Single Front Panel Sections)	Nos	1		
	Boiler MCC Unit - 9 (Double Front Panel Sections)	Nos	11		
	Boiler MCC Unit - 10 (Double Front Panel Sections)	Nos	11		
	Ventilation MCC Unit -9 (Single Front Panel Sections)	Nos	7		
	Ventilation MCC Unit -10 (Single Front Panel Sections)	Nos	7		
	Chemical MCC Unit - Common for both Units (Double Front Panel Sections)	Nos	13		
	Valve & Damper MCC Unit - 9 (Double Front Panel Sections)	Nos	12		
	Valve & Damper MCC Unit - 10 (Double Front Panel Sections)	Nos	12		
	Local Control Panels				
	Seal Air Fan Local control Panel Unit - 9	Nos	1		
	Seal Air Fan Local Control Panel Unit - 10	Nos	1		
	AC Seal Oil Pump Panel Unit - 9	Nos	1		
	AC Seal Oil Pump Panel Unit - 10	Nos	1		
	DC Seal Oil Pump Panel Unit - 9	Nos	1		
	DC Seal Oil Pump Panel Unit - 10	Nos	1		
	Vacuum Pump Panel Unit - 9	Nos	1		
	Vacuum Pump Panel Unit - 10	Nos	1		
	DC Emergency Oil Pump Panel Unit - 9	Nos	1		
	DC Emergency Oil Pump Panel Unit - 10	Nos	1		
6	Refurbishment of Soot Blower MCC	Nos.	2		

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS						
PRICE SCHEDULE						
SCHEDULE A :- BHEL SUPPLIED & CONTRACTOR'S INSTALLATION,ERECTION & COMMISSIONING						
Sl. No.	Item	Unit	Qty.	Unit Rate for Service (Rs.)	Amount for Service (Rs.)	
7	Retrofitting of Switchyard Relay Panel	Nos.	4			
	Restoration of Existing Bus Zone Protection Scheme	Set	1			
8	Battery Charger & DCDB Charger: 2400(W)X600(D)X1800(H) DCDB: 1000(W)X450(D)X2000(H) Sub DCDB: 800(W)X800(H)X600(D)	Nos.	1+2+4			
9	Installation of Earthing Mat					
	GI strip 100 X 10 mm	Mtrs.	2500			
	GI strip 50 X 6 mm	Mtrs.	500			
	Earth Pit Material	Lot	12			
10	Transmitters for Instrument & Service air	Nos.	3			
11	Installation of Cable Tray					
	600 mm Ladder Type	Mtrs.	6650			
	600 mm Perforated Type	Mtrs.	2500			
	450 mm Ladder Type	Mtrs.	1710			
	450 mm Perforated Type	Mtrs.	500			
	300 mm Ladder Type	Mtrs.	100			
	300 mm Perforated Type	Mtrs.	100			
	150 mm Ladder Type	Mtrs.	500			
	150 mm Perforated Type	Mtrs.	130			
12	Station Transformer Protection Panel : 2400(W)X800(D)X2400(H)	Nos.	2			
13	Bus Duct (2500A,6.6KV Non Phase Segregated Type) Dimension: 1500 X 800 mm	Mtr.	60			

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS						
PRICE SCHEDULE						
SCHEDULE A :- BHEL SUPPLIED & CONTRACTOR'S INSTALLATION,ERECTION & COMMISSIONING						
Sl. No.	Item	Unit	Qty.	Unit Rate for Service (Rs.)	Amount for Service (Rs.)	
14	Earthing Transformer/NGT	Nos.	6			
15	Transformer 1.5 MVA	Nos.	1			
	TOTAL					
Note: (1) All equipments shall be supplied by BHEL.Contractors scope shall include Erection, Testing & Commissioning of equipments along with supply of all consumables. (2) No. of panel sections mentioned against each item no. 5 indicate number of panels in a single switchboard.						

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE B :- BHEL SUPPLIED & CONTRACTOR'S LAYING					
Sl.No.	Item	Unit	Qty,	Unit Rate for Service (Rs.)	Amount for Service (Rs.)
	HT CABLES				
1	1C X 800 sq mm.	Mtr.	2400		
2	3C X 240 sq.mm.	Mtr.	18000		
3	1C X 500 sq mm.	Mtr.	24600		
	LT POWER CABLES				
1	3.5C X 400 sq. mm.	Mtr.	30500		
2	3.5C X 300 sq. mm.	Mtr.	1000		
3	3.5C X 240 sq. mm.	Mtr.	2000		
4	3.5C X 185 sq. mm.	Mtr.	4500		
5	3.5C X 150 sq. mm.	Mtr.	5000		
6	3.5C X 120 sq. mm.	Mtr.	4000		
7	3.5C X 50 sq. mm.	Mtr.	1500		
8	3C X 240 sq. mm.	Mtr.	1000		
9	3C X 185 sq. mm.	Mtr.	500		
10	3C X 120 sq. mm.	Mtr.	2000		
11	3C X 70 sq. mm.	Mtr.	500		
12	3C X 50 sq. mm.	Mtr.	6000		
13	3C X 35 sq. mm.	Mtr.	1000		
14	3C X 25 sq. mm.	Mtr.	2000		
15	3C X 16 sq. mm.	Mtr.	8000		
16	2C X 240 sq.mm.	Mtr.	1000		
17	2C X 50 sq.mm.	Mtr.	500		
18	2C X 16 sq.mm.	Mtr.	9000		
19	1C X 400 sq.mm.	Mtr.	1500		
20	1C X 240 sq.mm.	Mtr.	3700		

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE B :- BHEL SUPPLIED & CONTRACTOR'S LAYING					
Sl.No.	Item	Unit	Qty,	Unit Rate for Service (Rs.)	Amount for Service (Rs.)
21	1C X 120 sq.mm.	Mtr.	500		
22	1C X 50 sq.mm.	Mtr.	500		
23	1C X 35 sq.mm.	Mtr.	1000		
24	4C X 6 sq.mm.	Mtr.	1000		
25	3C X 6 sq.mm.	Mtr.	4500		
26	2C X 6 sq. mm.	Mtr.	10500		
27	4C X 16 sq.mm.	Mtr.	500		
28	4C X 4 sq. mm.	Mtr.	500		
29	3C X 4 sq. mm.	Mtr.	8500		
30	1C X 300 sq. mm.	Mtr.	1200		
	LT CONTROL CABLES				
1	24C X 2.5 sq. mm.	Mtr.	1000		
2	16C X 2.5 sq. mm.	Mtr.	8000		
3	12C X 2.5 sq. mm.	Mtr.	14000		
4	10C X 2.5 sq. mm.	Mtr.	17000		
5	9C X 2.5 sq. mm.	Mtr.	18000		
6	8C X 2.5 sq. mm.	Mtr.	4500		
7	7C X 2.5 sq. mm.	Mtr.	18000		
8	6C X 2.5 sq. mm.	Mtr.	2000		
9	5C X 2.5 sq. mm.	Mtr.	15000		
10	4C X 2.5 sq. mm.	Mtr.	21000		
11	3C X 2.5 sq. mm.	Mtr.	68000		
	TOTAL				

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE C :- CABLES TERMINATION					
Sl.No.	Item	Unit	Qty.	Unit Rate for Services (Rs.)	Amount for Services (Rs.)
	HT CABLES (Termination Kits)				
1	1C X 800 sq mm.	Nos.	30		
2	3C X 240 sq.mm.	Nos.	150		
3	1C X 500 sq mm.	Nos.	430		
	HT CABLES (Jointing Kits)				
1	1C X 800 sq mm.	Nos.	3		
2	3C X 240 sq.mm.	Nos.	30		
3	1C X 500 sq mm.	Nos.	6		
	LT POWER CABLES				
1	3.5C X 400 sq. mm.	Nos.	610		
2	3.5C X 300 sq. mm.	Nos.	20		
3	3.5C X 240 sq. mm.	Nos.	40		
4	3.5C X 185 sq. mm.	Nos.	90		
5	3.5C X 150 sq. mm.	Nos.	100		
6	3.5C X 120 sq. mm.	Nos.	80		
7	3.5C X 50 sq. mm.	Nos.	30		
8	3C X 240 sq. mm.	Nos.	20		
9	3C X 185 sq. mm.	Nos.	10		
10	3C X 120 sq. mm.	Nos.	40		
11	3C X 70 sq. mm.	Nos.	10		
12	3C X 50 sq. mm.	Nos.	120		
13	3C X 35 sq. mm.	Nos.	20		
14	3C X 25 sq. mm.	Nos.	40		

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE C :- CABLES TERMINATION					
Sl.No.	Item	Unit	Qty.	Unit Rate for Services (Rs.)	Amount for Services (Rs.)
15	3C X 16 sq. mm.	Nos.	160		
16	2C X 240 sq.mm.	Nos.	20		
17	2C X 50 sq.mm.	Nos.	10		
18	2C X 16 sq.mm.	Nos.	180		
19	1C X 400 sq.mm.	Nos.	30		
20	1C X 240 sq.mm.	Nos.	74		
21	1C X 120 sq.mm.	Nos.	10		
22	1C X 50 sq.mm.	Nos.	10		
23	1C X 35 sq.mm.	Nos.	20		
24	4C X 6 sq.mm.	Nos.	20		
25	3C X 6 sq.mm.	Nos.	90		
26	2C X 6 sq. mm.	Nos.	210		
27	4C X 16 sq.mm.	Nos.	10		
28	4C X 4 sq. mm.	Nos.	10		
29	3C X 4 sq. mm.	Nos.	170		
30	1C X 300 sq. mm.	Nos.	24		
	LT CONTROL CABLES				
1	24C X 2.5 sq. mm.	Nos.	20		
2	16C X 2.5 sq. mm.	Nos.	160		
3	12C X 2.5 sq. mm.	Nos.	280		
4	10C X 2.5 sq. mm.	Nos.	340		
5	9C X 2.5 sq. mm.	Nos.	360		
6	8C X 2.5 sq. mm.	Nos.	90		
7	7C X 2.5 sq. mm.	Nos.	360		

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS					
PRICE SCHEDULE					
SCHEDULE C :- CABLES TERMINATION					
Sl.No.	Item	Unit	Qty.	Unit Rate for Services (Rs.)	Amount for Services (Rs.)
8	6C X 2.5 sq. mm.	Nos.	40		
9	5C X 2.5 sq. mm.	Nos.	300		
10	4C X 2.5 sq. mm.	Nos.	420		
11	3C X 2.5 sq. mm.	Nos.	1360		
	TOTAL				
Note: (1) HT Cable Termination Kits & Jointing Kits shall be supplied by BHEL. Contractor scope shall include termination of kits. (2) LT Cable Termination Kits shall be supplied along with glands, ferrules and lugs by Contractor.					

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS

PRICE SCHEDULE								
SCHEDULE D - Contractor's Supply Item and Erection & Commissioning								
Sl.No.	Item	Unit	Qty	Unit Rate for Supply (Rs.)	Amount for Supply (Rs.)	Unit Rate for Services (Rs.)	Amount for Services (Rs.)	Total Amount (Rs.)
1	LPBS	Nos.	132					
2	Supply of Structural Steel	Tonnes	30					
3	Cable Fire Sealing Material	Kg.	150					
4	Supply of Earthing material							
	GI strip 100 X 10 mm	Mtrs.	500					
	GI strip 50 X 6 mm	Mtrs.	200					
	Earth Pit Material	Lot	5					5
5	Rubber Mat of ISI Mark & approved make							
	LT (2m X 1m X 1/2 inch)	Nos.	165					
	HT (2m X 1m X 1 inch)	Nos.	95					
6	First Aid Kit	Nos.	10					
7	Danger Boards	Nos.	20					
8	Shock Treatment Charts	Nos.	15					
9	First Aid Charts	Nos.	15					
	TOTAL							

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS

PRICE SCHEDULE

Schedule E : Man Power Services					
Sr. No.	Classification	Unit	Quantity	Unit Rate(Rs.)	Amount (Rs.)
1	Engineer (Civil/Mechanical/Electrical)	Man months	12		
2	Supervisor (Civil/Mechanical/Electrical)	Man months	12		
3	Typist cum Clerk/PC Operator/Office Asst.	Man months	12		
4	Security Guard/Cook/Office Boy/Helper	Man months	12		
TOTAL					
Note: This Man Power requirement is for BHEL.					

Miscellaneous E & C (Electrical) work pertaining to rehabilitation of 2x110 MW, Units 9 & 10 of Patratu TPS

PRICE SCHEDULE SUMMARY				
SL. NO.	DESCRIPTION	Service Amt. (Rs.)	Supply Amt. (Rs.)	TOTAL AMOUNT (RS.)
1	SCHEDULE A - BHEL SUPPLIED & CONTRACTOR'S INSTALLATION, ERECTION & COMMISSIONING			
2	SCHEDULE B - BHEL SUPPLIED & CONTRACTOR'S LAYING			
3	SCHEDULE C - CABLES TERMINATION			
4	SCHEDULE D - CONTRACTOR'S SUPPLY ITEM AND ERECTION & COMMISSIONING			
5	SCHEDULE E : MAN POWER SERVICES			
	TOTAL (SUPPLY AND SERVICES)			

AMOUNT IN WORDS Rs.