

RATE SCHEDULE

ERECTION, TESTING, COMMISSIONING, TRIAL OPERATION AND HANDING OVER OF CONTROL & INSTRUMENTATION PACKAGES FOR 2X490 MW, UNIT-5 & 6, DADRI NATIONAL CAPITAL THERMAL POWER PROJECT (NCTPP) AT DADRI, DISTT.-GAUTAM BUDH NAGAR, U. P. OF NATIONAL THERMAL POWER CORPORATION LTD.

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
1	2	3	4	5	6	7
	I	MISC CONTROL PANELS / CABINETS, AVR's, CONSOLES, RACKS etc.				
1	IA	Transportation From Store / Storage Yard To Erection Site, Erection, Assembly, Testing & Commissioning Of Digital AVR Excitation Equipments / System . System Consist Of A)Regulation Cubicle B) Thyristor Cubicle C) Field Suppression Panels, (1500 X 750 X 2455 MM) E) Interpanel Looping And Associated Cables Upto Main Exciter / PMG Cubicle.	SET	2		
2	IB	Transportation From Stores / Storage Yards To Erection Site, Erection, Assembly, Testing & Commissioning Of Variable Frequency Drive System For ID Fans Consist Of VFD Panels, Brake Resistor Panels), Vacuum Breakers Panels And Associated Accessories, Interpanel Cabling/ Looping Cables Supplied Alongwith System & Transformers And As Per The Details Below:-	LUMPSUM	8		
3	IB.1	Air Core DC Reactor, (2000 X 2000 X 3000 MM)	No	8		
4	IB.2	Vaccum Circuit Breaker Panels, (1800 X 2400 X 1900 MM)	No	8		
5	IB.3	Flexible Coupling, (700 X 400 X 1000 mm)	No	4		
6	IB.4	Load Cummuted Inverter (LCI) Channel 1 & 2 For ID Fan A & B (3 Panels Set, 3700 X 1450 X 2400 mm)	SET	8		
7	IB.5	Adapter Panel For Channel 1 & 2 For ID Fan A & B (1 Panel, 600 X 1450 X 2400 mm)	SET	8		
8	IB.6	Common Control Panel ID Fan A & B (1 Panel, 800 X 1450 X 2400 mm)	SET	4		
9	IB.7	Operator & Monitoring Station For ID Fan A&B (1 Panel, 600 X 600 X 1050 mm)	SET	2		
10	IB.8	Cable Length Compensation (CLC) Panel For ID Fan A & B (1 Panel, 1000 X 1000 X 1450 mm)	SET	8		
11	IC	VFD Transformers 3250 KVA, 11KV / 2.3KV,(Oil Cooled Type) Including All Accessories, Filtration Work, Radiators, Conservators, Piping, Cabling Etc. And Transportation From Stores/ Storage Yard To Erection Site, Assembly, Testing, Oil Centrifuging & Commissioning Of Onan Type Transformer (5000mm X 2550mm X 3200mm), Approx.9000kg	No	8		
12	ID	Soot Blower System: Transportation From Stores / Storage Yard To Erection Site, Assembly, Erection, Testing, & Commissioning Of 415 V Soot Blower Mcc Along With Soot Blower Local Starter Boxes, Local Power Distribution Boxes With Accessories Along With COMMISSIONING OF THE SOOT BLOWERS. (ERECTION OF THE SOOT BLOWERS IS EXCLUDED)				

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
13	ID.1	LT MCC, Soot Blower Motor Control Center, Double Front, Overall Dimension, 15200x2250x1000, Shall Be Supplied In Six To Eight Loose Shipping Sections	Set	2		
14	IE	24 Volt DC System- DC Battery System (Transportation Of Material From Stores/ Storage Yard To Erection Site, Erection, Assembly, Testing & Commissioning Of 24 Volt Battery / Battery Charger, 24 Volt Battery / Battery Charger For SG , TG & FOPH Etc.				
15	IE.1	24v DC Battery Charger -Main SG, 1500 X 750 X 2455 mm Including Power Cables	SET	4		
16	IE.2	24v DC Battery Charger DCDB-Main SG	SET	2		
17	IE.3	Batteries-Main SG (Two Set Of Batteries 20 Cells Each)	SET	2		
18	IE.4	24v DC Battery Charger, TG	SET	4		
19	IE.5	24v DC Charger-DCDB, TG Including Power Cables	SET	2		
20	IE.6	Batteries, TG (Two Set Of Batteries 20 Cells Each)	SET	2		
21	IE.7	Charger With Integral DCDB- FOPH, 1500 X 750 X 2455 mm	SET	1		
22	IE.8	Battery For FOPH (Two Set Of Batteries 20 Cells Each)	SET	1		
23	IE.9	<i>Mcc For Hydrogen Generation Plant, 5000 X 1000 X 2500 mm</i>	NO	2		
24	IF	Cabinets For BMS System, Misc SG / TG / FOPH Controls, Etc.				
25	IF.1	CONTROL CABINETS FOR S.G. (APPROX. 750 X 750 x 2455 mm)	No.	94		
26	IF.2	CONTROL CABINETS FOR T.G. (APPROX. 750 X 750 x 2455 mm)	No.	62		
27	IF.3	CONTROL CABINETS FOR FOPH (APPROX. 750 X 750 x 2455 mm)	No.	3		
28	IF.4	MODULAR RACK (COMMON FOR SG & TG)	SET	2		
29	IF.5	MODULAR RACK FOR PADO PACKAGE INCLUDING COMPUTER HARDWARE & ACCESSORIES FOR PADO	SET	2		
30	IF.6	TDBFP Governing console board 1200mm X1650mm	No.	4		
31	IF.7	GR FDR. REMOTE PANEL, 1400X2365X610	No.	18		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
32	IF.8	GR, FDR. INTEGRAL PANEL, 1000X600X210	No.	18		
33	IF.9	Gas Analyser Cabinet Including sensor, analyzer etc.	SET	2		
34	IF.10	Generator Auxiliary Control Cabinets, 1000X800X2200	SET	2		
35	IF.11	Generator Instrumentation Cabinet For Seal Oil & H2 System	SET	2		
36	IF.12	Generator End Winding Vibration Monitoring Cabinet	SET	2		
37	IF.13	Starter Cabinet for DC JOP, SOP, EOP Motor including resistance box	No.	6		
38	IF.14	Integration of Generator Continuous On-line PD monitoring System	SET	2		
39	IF.15	EWLI , Electronic Water Level indictor comprising of the Following per set: (a) 4 Nos. of 8-16 port pressure vessel With loose Supplied electrodes. (b) EWLI LOCAL ASCERTOR PANEL, 600X600X350, 4 nos. (c) EWLI REMOTE DISPLAY UNIT, 99X234X78.6, 3-4 Nos (d) 4 sets of interconnection cable between local panel & electrodes. (e) Fixing of Pr. Vessels, electrodes, remote display unit and integration of system	SET	2		
40	IF.16	ACOUSTIC PYROMETER SYSTEM , one no. REMOTE CABINET, 1400X2365X800 and its PC STATION and 16 Nos of ultrasonic type transmitter-receiver to be mounted on furnace openings, 16 Nos. preamplifiers to be mounted in furnace platform, special prefab cables for trans-receivers to preamplifiers etc.	SET	2		
41	IF.17	<i>Electronic Level switching System for Condenser Comprising 2 electronic Unit, 6 Nos.Probes each With 10 Mtrs .of 4 Core PTFE Cable etc.</i>	SET	2		
42	IF.18	Furnace Flame Viewing System - Remote / Local Panel, (700x2100x700 & 1220x1470x610)	No.	10		
43	IF.19	<i>Assembly Of Turbine Supervisory System Like TSI/Vibration Analyzer/Field Sensors, Panel Cards, Etc. are received In Knocked Down Condition.</i>	SET	2		
44	IF.20	<i>Supervisory Local Control Panel for Dosing System, 800X400X1600</i>	No.	1		
45	IF.21	<i>Instrumentation Cabinet For Seal Oil & H2 System, 1000X800X2200</i>	No.	2		
46	IF.22	<i>Instrumentation Cabinet For Seal Oil & H2 System, 1000X800X2200</i>	No.	2		
47	II	Installation, calibration and comissioning of -Local / Field mounted Instruments / Equipment / Devices				
48	II.1	FLAME SCANNER HEAD ASSEMBLY, including fiber optic cable / cable upto local JB, Lens Barrel Assembly, Minature 6 way Junction Box etc.)	NO	92		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
49	II.2	HEAVY DUTY LIMIT SWITCH	NO	40		
50	II.3	AIR FILTER REGULATORS / SPEED REGULATORS / AIR LOCK VALVES	NO	240		
51	II.4	PNEUMATIC - Loop checking	No.	16		
52	II.5	ELECTRICAL - Loop checking	No.	480		
53	II.6	E/P CONVERTORS, I/P CONVERTORS	NO	60		
54	II.7	I/P Transducers	No.	12		
55	II.8	POSITIVE DISPLACEMENT METER-HFO / LDO LINE	NO	4		
56	II.9	PURGE METER	NO	40		
57	II.10	ORIFICE PLATE	NO	10		
58	II.11	TEMP:SENSOR AND ELECTRONIC CONTROLLER	NO	2		
59	II.12	HIGH TEMP CAMERA FOR FURN.FLAME VIEWING	NO	4		
60	II.13	REMOTE IRIS CONTROLLER along with kit	NO	20		
61	II.14	COAL FLOW MONITOR (installation of Sensor Probes, control uni, flexible conduit, flanges etc.)	NO	20		
62	II.15	LOAD CELL AMPLIFIER including inetgral cabinet	NO	20		
63	II.16	H.E.A. Excitor box along with retractor assembly, flexible spark rod, spark tip, flexible cable assembly, S.S. house (1 mtr long, 6.35 mm ID) , air filter regulator etc.	NO	40		
64	II.17	OPACITY MONITOR	NO	8		
65	II.18	19" HIGH RESOLUTION IND.GRADE MONITOR	NO	8		
66	II.19	AFR FOR SADC SYSTEM / MILL SYSTEM	NO	36		
67	II.20	ELECTRODE PROBE	NO	96		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
68	II.21	HART COMMUNICATOR	No	10		
69	II.22	OXYGEN ANALYSER (IMPORTED)	No	20		
70	II.23	<i>Analyzer (HYDROGEN PURITY / oxygen / chloride /co2 / SO2 /NOX / PHOSPHATE / SILICA / HYDRAZINE ETC.) / Conductivity Analyzer</i>	No	50		
71	II.24	<i>MOISTURE DETECTOR</i>	No	4		
72	II.25	ERV CONTROLLER WITH PR.SWITCH	NO	18		
73	II.26	ELECTRONIC TRANSMITTERS_ Pressure transmitters, Diff. Pressure Transmitter	NO	200		
74	II.27	Level transmitters (capacitance type, top mounted)	No.	8		
75	II.28	Position Transmitters	No.	16		
76	II.29	Thermowells	No.	236		
77	II.30	Temp. elements ie.PRTDs/ Simplex / Duplex / Triplex RTDs/ Miniature RTDs (thrust bearing)/ RTD assy / Bimetallic thermometer, Resistance thermometer, mercury in steel thermometer, Gas filled thermometers etc.,	NO	450		
78	II.31	Metal Temperature Measuring (MTM) Thermocouples (Simplex / Duplex) like Chromel Alumel, TC's Assy etc.	NO	800		
79	II.32	Temp. Gauges / Pressure gauges / Draft gauges / Differential Pressure Gauges / Level indicators/ Press. indicators	NO	660		
80	II.33	Pressure switches / Differential pressure switch / Temp. switches / Flow switch		160		
81	II.34	Various types of Level switch	NO	60		
82	II.35	Level gauges (reflex type)	No.	4		
83	II.36	Rotameter / Flow Switch / Flow meter (PD type) / Flow element assembly	No.	25		
84	II.37	Proximitors	No.	32		
85	II.38	Vibration, Axial displacement monitoring system to be mounted on Cabinet	No.	4		
86	II.39	Sensors Pickups with Cables _Relative / Absolute Vibration, Relative Expansion, Axial displacement, Axial Shift etc.	No.	64		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
87	II.40	Speed pick up & measuring loop sensor along with cable	No.	12		
88	II.41	LIE (LOCAL INST. ENCLOSURE, approx.1250X2300X850)	No.	50		
89	II.42	LIR (LOCAL INST. RACK, approx.2150X2150X400)	No.	38		
90	II.43	Reverse Rotation System containing monitors reverse rotation (shall be located in one of the panel situated in control Equipment Room).	No.	2		
91	II.44	Comissioning of Local Gauge Board (LGB) / LIR Assembly for PUMPS	No.	42		
92	II.45	Control valves (pneumatic actuated, self actuated))	No.	100		
93	II.46	<i>Control valves for LPH comprising electronic units, electrodes with cables)</i>	No.	34		
94	II.47	<i>calbration/commissioning of regulating control valve with positioners, limt switches, PFTs, air lock valves, servo valves, solenoid valves etc.</i>	No.	200		
95	II.48	<i>Motorized Valves</i>	No.	50		
96	II.49	Safety relief valves	No.	4		
97	II.50	Solenoid Valves (3 way, 24V DC)	No.	22		
98	II.51	FD / PA / ID FAN REGULTING TYPE ELECTRIC ACTUATORS WITH INT.STR	No.	12		
99	II.52	PNEUMATIC ACTUATOR	No.	52		
100	II.53	PNUEMATIC AUTO RETRACT SYSTEM	No.	20		
101	II.54	<i>Electronic earthing pit with electrodes including civil works</i>	No.	6		
102	II.55	<i>Feeder gate power cylinders</i>	No.	20		
103	II.56	<i>Pneumatic Power Cylinders above wt. 700 kg like for Burner Tilt, Regulating Dampers, others etc.</i>	No.	20		
104	II.57	<i>Pneumatic Power Cylinders wt.401- 700kg</i>	No.	2		
105	II.58	<i>Pneumatic Power Cylinders wt.101- 400kg like for Hot air Regulating Dampers, others etc.</i>	No.	20		
106	II.59	<i>Pneumatic Power Cylinders upto wt. 100kg like for SADC, Seal air filter, Cold Air Regulating Dampers, others etc.</i>	No.	100		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
107	II.60	seal air to mill / feeder Regulating power cylinders	No.	40		
108	II.61	Scanner Air Dampers	No.	4		
109	II.62	Flip-flop	No.	2		
110	II.63	Liquid Level Detector	No.	2		
111	II.64	PURGE METER	No.	2		
112	II.65	Rotor Stoppage alarm box including sensors	sets	4		
113	II.66	pH Analyser	No.	4		
114	II.67	Hardwired Consoles with push buttons and indicating lamps for SG / EAST / GEN.systems	No.	150		
115	II.68	Erection, commissioning of Pneumatic Power cylinders 'Regulating type with positioner, PFT etc	No.	40		
116	II.69	Pneumatic indicating controller(gland + seal steam)	No.	20		
117	II.70	water detector	No.	4		
118	II.71	Conductivity cells	No.	6		
119	II.72	Comissioning of Generator Exciter related Accessories like Dryer,heater,stroboscope etc.	No.	2		
120	II.73	Portable Gas Analyser	No.	2		
121	II.74	Referizeration Gas Drier	No.	2		
122	II.75	Vaccum Switch	No.	6		
123	III	Laying, dressing (tyeing, wire marking etc.),clamping, tagging, ferruling & termination (glanding, lugging etc.) of (a) LT Power cables(armoured / unarmoured); (b) LT CONTROL CABLE (ARMOURED / UNARMOURED); (c) SCREENED CONTROL CABLE; (d) INSTRUMENT CABLE				
124	IIIA	POWER CABLE / CONTROL CABLE				
125	IIIA.1	2C X 10SQMM AL POWER CABLE	M	3500		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
126	IIIA.2	3C X 16 SQ.MM POWER CABLE	M	3400		
127	IIIA.3	3C X 4 SQ.MM POWER CABLE	M	100		
128	IIIA.4	3C X 25-70 SQ.MM POWER CABLE	M	1000		
129	IIIA.5	2C X 1.5 / 2.5 SQ.MM	M	26200		
130	IIIA.6	3-5C X 1.5 / 2.5 SQMM	M	60000		
131	IIIA.7	6-10C X 1.5 / 2.5 SQ MM	M	26500		
132	IIIA.8	11-19C X 1.5 / 2.5 SQ.MM	M	7500		
133	IIIA.9	ABOVE 19C X 1.5/2.5 SQ.MM	M	100		
134	IIIB	INST. CABLE CABLE (O/A, P/O, SHIELDED/UNSHIELDED, Gtype INCLUDING GLANDING, LUGGING, TIEING, WIRE MARKING ETC.				
135	IIIB.1	2P X 0.5 SQMM INST. CABLE	M	16000		
136	IIIB.2	4P X 0.5 SQMM INST. CABLE	M	165000		
137	IIIB.3	8P X 0.5 SQMM INST. CABLE	M	66000		
138	IIIB.4	12P X 0.5 SQMM INST. CABLE	M	58000		
139	IIIB.5	16P X 0.5 SQMM INST. CABLE	M	600		
140	IIIB.6	4 X 2 X 0.5 SQ MM TYPE F / TYPE G GROUP CABLE	M	142000		
141	IIIB.7	8 X 2 X 0.5 SQ MM TYPE F / TYPE G GROUP CABLE	M	36000		
142	IIIB.8	12 X 2 X 0.5 SQ MM TYPE F / TYPE G GROUP CABLE	M	27200		
143	IIIB.9	VARIOUS TYPES OF SIGNAL CABLE (PTFE, FEP, various types of compensating cable etc.)				
144	IIIB.10	FLAME SCANNERCABLE	M	20000		
145	IIIB.11	SHIELDED CABLES	M	16000		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
146	IIIB.12	2 PAIR EXTENSION CABLE	M	34000		
147	IIIB.13	10 PAIR X 0.6 SQ.MM PTFE CABLE	M	200		
148	IIIB.14	FIBRE OPTIC CABLE	MTR	4000		
149	IIIB.15	TEFLON CABLES 2X2X0.5 SQMM TYPE-1	M	12000		
150	IIIB.16	TEFLON CABLES 2X4X0.5 SQMM TYPE-2	M	4000		
151	IIIB.17	SPECIAL CABLE 5X1.5 SQ.MM.	M	1000		
152	IIIB.18	THERMOCOUPLE EXT CABLE, 2X2X1.3SQMM NICR-NI / CUCU-NI	M	14000		
153	IIIB.19	Four pair cable for Vibration Monitoring system & RTDS	M	5000		
154	IIIB.20	4 Triad cable for reverse rotation indicator	M	2000		
155	IIIB.21	<i>UTP Cable</i>	<i>M</i>	<i>200</i>		
156	IIIC	CABLE TRAYS LIKE PERFORATED, VERTICAL/ HORIZONTAL, LADDER, BOTTOM TYPE ALONG WITH ACCESSORIES (like angles, cantilever arms, bolts, etc.). CABLE TRAYS Erection including supports & covers fabrication and its access				
157	IIIC.1	50 MM WIDE	M	200		
158	IIIC.2	100 MM WIDE	M	11500		
159	IIIC.3	150 MM WIDE	M	11600		
160	IIIC.4	300 MM WIDE	M	2500		
161	IIIC.5	<i>ABOVE 300MM WIDE</i>	M	400		
162	IIIC.6	SINGLE CHANNEL	M	3840		
163	IIIC.7	<i>Cable conduit (Protective Hose) for Sensors</i>	<i>M</i>	<i>600</i>		
164	IVA	SWITCH BOX, STARTER BOX, POWER DISTRIBUTION BOX / CABINETS				

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
165	IVA.1	STARTER PANEL (for OIL PURIFICATION SYSTEM, COLTCS, others)	NO	4		
166	IVA.2	SCANNER FAN DC MOTOR STARTER BOX	NO	2		
167	IVA.3	FEEDER REMOTE POWER CABINET	SET	20		
168	IVA.4	FTP STARTER BOX	NO	4		
169	IVA.5	240V AC UPS DB, 500x500x200	NO	18		
170	IVA.6	FSSS Local Gun Maintenance SWITCH BOX	NO	40		
171	IVA.7	Burner Tilt Shear Pin failure Ind. Box	NO	8		
172	IVA.8	SB LOCAL STARTER BOX, 600X600X300	NO	264		
173	IVA.9	SB LOCAL DISTRIBUTION BOARD, 760X760X350	NO	18		
174	IVA.10	Various types of INDICATION BOX	NO	2		
175	IVB	MARSHALLING BOXES				
176	IVB.1	Upto 12 WAY JB (including miniature JB)	NO	146		
177	IVB.2	24 WAY JB	NO	388		
178	IVB.3	36 WAY	NO	56		
179	IVB.4	48 WAY JB	NO	82		
180	IVB.5	64 WAY JB	NO.	180		
181	IVB.6	Above 64 WAY JB	NO.	2		
182	IVB.7	COLD JUN. COMPEN BOX (K-12 , T-12, others etc.)	NO	84		
183	IVB.8	2 PUSH BUTTON BOX / Various Types of LPBs	NO	8		
184	IVC	INSTALLATION OF CHANNELS, ANGLES, FLATS, WIRES, STRIPS, ETC. AND FABRICATION OF STEEL				

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
185	IVC.1	FLAT (50 X 6), GI STRIPS, ALUMINIUM STRIP (25 X 3)	M	6500		
186	IVC.2	Fabrication / Erection of structural steel (like ISMC 100 x 50 x 7.5 to run impulse pipes, ISMC CHANNELS 100 X 50 X 6MM, ISA ANGLE 50X50X6MM, ANGLE-ISA, 40 X 40 X 5, SLOTTED ANGLE, sheets, plates, others etc.)	MT	25		
187	IVC.3	SOFT GALVANIZED WIRE - 1.219	M	3400		
188	IVC.4	Fabrication of Racks for pumps etc. by assembling channels, angles, sheets, plates etc. 1500mm x 1700mm	No.	4		
189	IVD	PROCESS IMPULSE PIPING / TUBING AND PNEUMATIC TUBING ALONG WITH FITTINGS (CS/SS/Cu/AS/GI Pipes)				
190	IVD.1	6mm / 8mm/ upto 1" Copper piping / Tubing	M	3500		
191	IVD.2	1/2", 3/4", 1" CS Piping / Tubing	M	16000		
192	IVD.3	Above 1.1" to 2" CS Piping / Tubing	M	2000		
193	IVD.4	Above 2.0" to 3.5" CS Piping / Tubing	M	44		
194	IVD.5	1/2", 3/4", 1" SS Piping / Tubing	M	720		
195	IVD.6	1/2", 3/4", 1" AS Piping / Tubing	M	2100		
196	IVD.7	Seamless Carbon Steel Tubing	M	2200		
197	IVD.8	Seamless Alloy Steel Tubing	M	900		
198	IVD.9	PNEUMATIC TUBES	M	7800		
199	IVD.10	Flexible conduiting / Rubber hoses / pipes	M	1000		
200	IVD.11	Rigid Conduit	M	500		
201	IVD.12	IMPULSE PIPE (IMPORTED)	M	400		
202	IVE	Installation of HMI SYSTEM ITEMS FOR SG / TG / FOPH along with related furnitures, mini UPS and accessories.				
203	IVE.1	MAX STATION ComputerS	NO	33		

TENDER NO. BHEL: NR(SCT): DADRI:CNI: U-5 & 6:549

SL NO	ITEM NO.	DESCRIPTION	UNIT	QTY for 2 Units	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
204	IVE.2	A3 LASER PRINTER	NO	2		
205	IVE.3	A4 LASER PRINTER	NO	5		
206	IVE.4	A3 LASER JEY PRINTER	NO	2		
207	IVE.5	A4 LASER JET PRINTER	NO	4		
208	IVE.6	A4 INKJET PRINTER	NO	5		
209	IVE.7	LINE MATRIX PRINTER	NO	2		
210	IVE.8	NETWROK PANEL & ACCESSORIES, 750 x 750 x 2455	SET	5		
211		TOTAL				

1) All dimensions are in mm unless otherwise specified.

2) The contractor is required to quote unit-rate as well as total price against each item in the above schedule. Sub-total on each page shall be indicated and brought forward to next page and duly signed. The contractor shall ensure that grand total on this page is arithmatically checked and corrected and certified accordingly while signing below. Despite this if any calculation error is noticed after tender opening. BHEL reserves the right to deal with it as deemed fit at their end.

3) The quantities indicated against each item above are tentative and same are liable to vary depending upon the site requirement. The contractor has to erect/ commission all items indicated by BHEL Engineer for achieving unit wise milestone.

4) The Rate shall be entered in figures as well as in words. In case of difference in rates between words and figures THE LESSER OF THE TWO will be treated as valid rate.

5) In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item but the work, if awarded, will be on the lowest quoted rate obtained against that item.

6) The bidders shall enter both 'Unit Rate' & 'Amount'. In case of any mismatch between 'Total Amount based on Unit Rate' & 'Total Amount as quoted', the lower of the two shall be considered for evaluation and award.

(Signature, date & seal of authorized representative)