

**RAICHUR TPS UNIT 8 (1 X250 MW)**  
**RATE SCHEDULE FOR ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL / C&I PACKAGE**

*Before filling the Rates, the bidder shall go through the detailed specification of all the items given in the detailed Bill of Materials(BOM) as well as Scope of Work specified in Section VI*

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>ERECTION/ COMMISSIONING OF ELECTRICAL PANELS/ STARTER BOXES</b>					
For scope of work, refer clause 6.3.1					
1.	A.5.1	110 V AC Control Supply Panel	1 No.		
2.	A.5.2	220V DC Control Supply Panel	1 No.		
3.	A.5.3	230 V AC UPS Distribution Panel	1 No.		
4.	A.5.4	Scanner Air Fan DC Motor Starter Box	1 No.		
5.	A.5.5	Local Starter Box for Furnace Temperature Probe	2 Nos.		
6.	D.2.1.5	AC Distribution Board <b>ESP</b>	1 No.		
7.	B.1.1.1	Electronic Controller with BAPCON controllers	28 sets*		
8.	B.1.1.2	Rapper Control Panel with RAPCON controllers	2 sets*		
9.	B.1.1.3	Ash level indicator	56 sets*		

\* Lump sum rate to be quoted

RS - 1

Signature of Contractor

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
10.	D.3.1.1	<b>AVR</b> Digital AVR comprising of Regulation Cubicle, Thyristor cubicle, Field Suppression Cubicle along with loose supplied items.	1 Set*		
11.	G.1.1.1	<b>Turbine-Generator Auxiliary Control</b> Starter Cabinet for DC Seal Oil Motor, along with Resistance Box	1 No.		
12.	G.2.1.1	Starter panel for DC Jacking Oil Motor, along with Resistance Box	1 set*		
13.	G.2.1.2	Starter Panel for DC Emergency Lub Oil Motor, along with Resistance Box	1 set*		
<b>ERECTION/ COMMISSIONING OF VFD SYSTEM FOR ID FANS</b>					
For scope of work, refer clause 6.3.2					
14.	D.1.1	VFD transformers	4 sets*		
15.	D.1.2	DC Air core Reactor	4 sets*		
16.	D.1.3	LCI Drive Panel	4 sets*		
17.	D.1.4	Adaptor Cubicle	4 Nos.		
18.	D.1.5	Control Panel for VFD Drives	2 Nos.		
19.	D.1.6	6.6 kV, Indoor, Vacuum Circuit Breaker	4 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>ERECTION/ COMMISSIONING OF C&amp;I CONTROL PANELS</b>					
For scope of work, refer clause 6.3.3					
20.	A.3.10	Gravimetric Feeder Panel	6 Nos.		
21.	C.4.1	Control Panel for Dosing System	1 No.		
22.	G.1.1.2	Generator Instrumentation Cabinet	1 No.		
23.	G.1.1.3	Gas Analyser Cabinet including sensor, analyser etc.	1 No.		
24.	G.1.1.4	Annunciation Cabinet	1 No.		
25.	F.2.1	PLC panel for Tube Cleaning system	1 No.		
<b>ERECTION/ COMMISSIONING OF DCS SYSTEM</b>					
For scope of work, refer clause 6.3.4					
26.	D.2.1.1, D.4.1.1, D.4.1.2	Single Cubicles	7 Nos.		
27.	D.2.1.2, D.4.1.3	Twin Cubicles	8 Nos.		
28.	D.2.1.3, D.4.1.4	Suite of Three Cubicles	4 Nos.		
29.	D.2.1.4	Suite of Four Cubicles	1 No.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
30.	D.5.1	Computer Stations 'Engineering/ Storian', 'Operator' Workstations, 'Link' Station etc.	10 sets*		
31.	D.5.2	Power Distribution Boards	10 Nos.		
32.	D.5.3	Network Panels/ Power Distribution Panels	2 Nos.		
33.	D.5.4	Ethernet Cable	9,000 Mtrs		
34.	D.5.5	Power Cables: 3 C x 1.5 sq. mm cables <b>CONSOLES INSERTS (to be mounted on Control Desk)</b>	300 Mtrs		
35.	D.2.2.1	Console Insert for FSSS (Unit, Oil, Mill)	1 set*		
36.	D.2.2.2	Console Insert for HP Bypass	1 set*		
37.	D.4.2.1	Console Inserts for Turbine Controls (CWA01)	1 No.		
38.	D.4.2.2	Console Insert for Turbine Controls (CWA02)	1 No.		
39.	D.4.2.3	Console Insert for Generator Controls (CWA11)	1 No.		
40.	D.3.1.2	Console Insert for DAVR	1 No.		
41.	D.2.2.3, D.4.2.4	Prefab cables, 32 Pair x 0.5 sq. mm for Console Inserts	1300 Mtrs		
42.	D.3.2.3	24 C x 0.5 sq. mm, Cu cable (for DAVR console)	300 Mtrs		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>ERECTION/COMMISSIONING OF LOCAL/FIELD INSTRUMENTS</b>					
For scope of work, refer clause 6.3.5					
43.	A.1.1	PD Type Flow meter	2 sets*		
44.	A.1.4, A.2.1, A.3.3, A.4.2, B.2.1, C.1.1, E.3.2, F.1.1, G.1.2.1, G.2.2.3, G.2.7.2	Pressure Gauges	357 Nos.		
45.	A.1.2, A.2.3, A.3.1	DP Gauges	16 Nos.		
46.	A.1.6, A.3.5, A.4.3, B.2.2, B.3.2, C.1.2, E.3.3, F.1.2, G.1.2.2, G.2.2.4, G.2.7.3, G.2.7.4	Temperature Gauges with thermowell (capillary/ stem type)	214 Nos.		
47.	B.2.6	Thermocouple Assembly for APH	4 sets*		
48.	A.4.5	Thermocouple Assembly for Smart Soot Blowing System	32 sets*		
49.	A.2.5, A.3.8, D.2.3.4, D.2.3.8	Air Filter Regulators	34 Nos.		
50.	D.2.3.5, D.2.3.9	I/P Converter	20 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
51.	G.2.2.9, E.2.1, G.1.2.6, E.1.1.1, B.2.3, B.3.1, D.2.3.10, D.2.3.20, G.1.2.7, G.2.2.10	RTDs/ Thermocouples along with thermowells	228 Nos.		
52.	A.4.7.1, A.4.7.2, A.4.7.3	MTM thermocouples of route length 12 to 16 Mtrs	64 Nos.		
53.	A.4.7.4, A.4.7.5, A.4.7.6	MTM thermocouples of route length 18 to 22 Mtrs	58 Nos.		
54.	A.1.5, A.2.2, A.3.4, A.4.1, B.2.5, C.1.3, D.2.3.1, F.1.3, G.1.2.4, G.2.2.5	Pressure Switches	109 Nos.		
55.	A.1.3, A.2.4, A.3.2, D.2.3.2, F.1.4, G.2.2.6	DP Switches	41 Nos.		
56.	A.1.7, A.3.6	Temperature Switches	18 Nos.		
57.	C.1.4, <b>E.3.1</b> , F.1.5, G.2.7.1	Level Switches (float type)	33 Nos.		
58.	G.1.2.5	Level Switches (capacitance type)	11 Nos.		
59.	G.2.2.7	Level Switches with amplifier, bar probe including interconnecting cable	4 sets*		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
60.	D.2.3.7, D.2.3.14, G.1.2.3, G.2.2.1	Pressure Transmitters	50 Nos.		
61.	D.2.3.3, G.2.2.2	DP Transmitters	5 Nos.		
62.	C.1.5	Level Transmitter (displacement type)	2 Nos.		
63.	G.2.2.8	Level transmitters with amplifier, bar probe	3 sets*		
64.	G.2.2.11	Speed Detectors	4 Nos.		
65.	A.1.12	Limit Switches	10 Nos.		
66.	G.1.2.8	Gas Analyser	1 No.		
67.	G.1.2.9	Moisture Sensor Probes	1 No.		
68.	A.3.7	Pneumatic Pressure Controller with Pneumatic Transmitter	1 set*		
69.	A.3.9	Purge Meters cum DP Regulators	12 Nos.		
70.	A.1.8	Flame Scanner Head Assembly	20 sets*		
71.	A.1.9	Flame scanner amplifier Racks	1 set*		
72.	A.1.10	FSSS Local Oil Gun Maintenance Switch Box	12 Nos.		
73.	A.1.11	H.E.A. Excitor box assembly with accessories	12 sets*		
74.	A.4.4	ERV Controller with Pressure Switch	4 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
75.	A.4.6	Electronic Water Level Indicator along with Display Units, Ascetor Cabinet and other accessories	2 sets*		
76.	B.2.7	Rotor Stoppage Alarm System with accessories	2 sets*		
77.	B.2.8	ON/OFF Switch including light assembly	2 sets*		
78.	E.1.1.2	Reverse Rotation Monitoring System for BFP	3 sets*		
79.	A.2.9	Burner Tilt Shear Pin Failure Indication Box	4 Nos.		
80.	A.2.10	Heavy Duty Limit Switch (for Burner Tilt Shear Pin Failure Indication Purpose)	12 Nos.		
81.	A.1.13	Speed Regulator/ Air Lock Valves/ Air sets	16 sets*		
<b>ERECTION/COMMISSIONING OF UCB/ CONTROL ROOM MOUNTED INSTRUMENTS</b>					
82.	G.1.5.1	Digital Indicators	6 Nos.		
<b>REMOVAL, CALIBRATION AND RE-FIXING OF INSTRUMENTS:</b>					
For scope of work, refer clause 6.3.5					
83.	G.1.3.1	Pressure Gauges	6 Nos.		
84.	B.3.3, E.2.2, G.1.3.2	Temperature Gauges	25 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
85.	G.1.3.3	Pressure Transmitters	5 Nos.		
86.	G.1.3.4	Pressure Switch	1 No.		
87.	G.1.3.5	Level Switches	2 Nos.		
88.	G.2.2.12	Position Transmitters	24 Nos.		
<b>ERECTION/COMMISSIONING OF PNEUMATIC POWER CYLINDERS (REGULATING TYPE)</b>					
For scope of work, refer clause 6.3.10					
89.	A.2.11.6	Power Cylinders for SADC	56 Nos.		
90.	A.2.11.1, A.2.11.4	FD Fan Vane Control Actuator / PA Fan Vane Regulating Actuator	4 Nos.		
91.	A.2.11.2, A.2.11.8	Dynavane Filter Bleed Air Damper / Cold Air Damper Control Actuator	7 Nos.		
92.	A.2.11.3, A.2.11.7	Burner Tilt Power Cylinders / Hot Air Damper Control Actuator	10 Nos.		
93.	A.2.11.5	ID Fan Inlet Damper Control Actuator	2 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>ERECTION/COMMISSIONING OF PNEUMATIC POWER CYLINDERS (ON/OFF TYPE)</b>					
For scope of work, refer clause 6.3.10					
94.	A.2.12.1	Scanner Air Emergency Damper (Wt 20 kg)	1 No.		
<b>ERECTION/TESTING OF LOCAL INSTRUMENT ENCLOSURES/ RACKS (LIE/LIR)</b>					
For scope of work, refer clause 6.3.7					
95.	E.1.5.1, E.1.5.2, E.1.5.3	LGB Assembly for BFP/CEPs Approximate Size: 1400 x 550 x 1900 mm; Weight = 300 kg each	7 Nos.		
96.	E.1.5.4, E.1.5.5, E.1.5.6	LIR Assembly for BFPs /CEPs Approximate Size 2000 x 650 x 1900mm; Weight = 250 kg each	3 Nos.		
<b>ASSEMBLY AND ERECTION OF JB MOUNTING FRAMES</b>					
For scope of work, refer clause 6.3.7					
97.	D.4.6.1 to D.4.6.5	<i>Assembly and installation of Mounting Frames with loose supplied prefabricated materials of suitable size, like slotted angles, channels etc.</i>	10 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
98.	G.2.3	<p>Assembly/ welding and installation of Instrument Racks with loose supplied prefabricated materials of suitable size like angles/ channels etc.</p> <p>Total wt. of loose supplied items (for 8 Nos. racks): 2 Tonnes</p>	8 Nos.		
<b>LAYING, TERMINATION AND TESTING OF CABLES</b>					
For scope of work, refer clause 6.3.11					
99.	A.6.1.8, A.6.1.9	<p><i>LT Control Cables, Armoured</i></p> <p>2C X 1.5 sq. mm / 2C X 2.5 sq. mm control cable</p>	4,500 Mtrs		
100.	A.6.1.10, A.6.1.11	4C X 1.5 sq. mm/ 5C X 1.5 sq. mm control cable	12,800 Mtrs		
101.	A.6.1.12	7C X 1.5 sq. mm control cable	6,400 Mtrs		
102.	A.6.1.13	10C X 1.5 sq. mm control cable	12,100 Mtrs		
103.	A.6.1.14	19C X 1.5 sq. mm control cable	2,100 Mtrs		
104.	D.3.2.1	3 C x 50 sq. mm, FRLS, PVC screened Copper cable	300 Mtrs		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
105.	D.3.2.2	3 C x 2.5 sq. mm, FRLS, PVC screened copper cable  <i>LT Control Cables. Unarmoured</i>	300 Mtrs		
106.	D.1.8.1, D.1.8.4	2 C X2.5 sq mm/ 2 C X1.5 sq mm	4450 Mtrs		
107.	D.1.8.2	4 C X 1.5 sq mm	150 Mtrs		
108.	D.1.8.3	14 C X 1.5 sq mm  <i>Instrumentation Cables</i>	200 Mtrs		
109.	A.6.1.1	Flame Scanner Cable  <i>FRLS/PVC, Shielded, Armoured, Cu Cables / PTFE Insulated Cables</i>	3,500 Mtrs		
110.	A.6.1.2, A.6.1.3, D.1.9.1, D.1.9.5, D.4.3.1, D.4.3.3	2P X 0.5 sq.mm/ 2P X 1.5 sq.mm / 5 Core x 1.5 sq. mm cable	16,380 Mtrs		
111.	A.6.1.4, D.1.9.2, D.1.9.6, D.2.3.19, D.4.3.2, E.1.4.3	4P X 0.5 sq.mm cable	22,340 Mtrs		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
112.	E.1.4.4	4 Triad, 0.5 sq. mm cable/ 6 P x 0.5 sq. mm cable	100 Mtrs		
113.	A.6.1.5, D.1.9.3, D.1.9.7,	8P to 12 P, 0.5 sq. mm cable	16,140 Mtrs		
114.	D.1.9.4, A.6.1.6	14P x 0.5 sqmm cable/ 16P X 0.5 sq. mm cable	1300 Mtrs		
		<b>Compensating Cables</b>			
115.	A.6.1.7, D.2.3.11, D.2.3.18, D.4.3.4, D.4.3.5	1 Pair/ 2 Pair compensating cables	4700 Mtrs		
116.		6 Pair/ 10 Pair compensating cables	100 Mtrs		
		<b>ERECTION OF CABLE TRAYS &amp; DUCTS</b>			
		For scope of work, refer clause 6.3.12			
		<b>CABLE TRAYS</b>			
117.	E.1.4.1	Perforated cable tray, 50 mm wide	60 Mtrs		
118.	A.6.2.1	Perforated Cable Tray, 100 mm wide	1700 Mtrs		
119.	A.6.2.2, E.1.4.2	Perforated Cable Tray, 150 mm wide	1350 Mtrs		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>ERECTION OF CABLE DUCTS WITH COVERS – GI SOLID BOTTOM</b>					
For scope of work, refer clause 6.3.12					
120.	D.4.5.1	60 x 60 x 1000 mm	180 Nos.		
121.	D.4.5.2	180 x 100 x 1000 mm	60 Nos.		
122.	D.4.5.3	250 x 100 x 1000 mm	50 Nos.		
<b>ERECTION OF JUNCTION BOXES/ PUSH BUTTON BOXES</b>					
For scope of work, refer clause 6.3.13					
123.	B.1.3.2, B.1.3.3	Junction Boxes for hopper heaters/ support insulator heaters/ shaft insulator heaters	62 Nos.		
124.	B.1.3.1	Local Start Stop Push Buttons	60 Nos.		
125.	A.6.3.1, A.6.3.2, A.6.3.3, A.4.8.1, A.4.8.2, A.4.8.3, D.1.7, D.2.3.13, D.2.3.15, D.2.3.16, D.4.4.2, D.4.4.3, E.1.3.1, G.2.4.3	Junction Boxes: 12 way to 36 way	191 Nos.		
126.	A.6.3.4, D.4.4.1, G.2.4.1, G.2.4.2	Junction Boxes: 48 way to 96 way	43 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
127.	A.6.3.5, D.4.1.5	Fire Protection Switch with Junction Box/ Push Button Boxes	20 Nos.		
128.	A.4.8.4	Wall Mounted Power Distribution Board for 240V AC UPS	3 Nos.		
<b>ERECTION/ TESTING OF IMPULSE PIPES</b>					
For scope of work, refer clause 6.3.6					
129.	A.6.4.1, C.2.1	CS Pipe, ½” SCH 80	550 Mtrs		
130.	A.6.4.2	CS Pipe, 1” SCH 80	1500 Mtrs		
131.	D.2.3.6, E.1.2.1, G.2.5.2, G.2.5.3	CS Tube of dia 13.5 mm to 17.2 mm	2160 Mtrs		
132.	D.2.3.17, G.2.5.1	AS Tube of dia. 13.5 mm/ 14 mm	625 Mtrs		
<b>ERECTION OF HOSES, TUBES etc.</b>					
For scope of work, refer clause 6.3.8					
133.	A.1.13, A.2.6, D.2.3.12	Copper Tube, OD 8 mm/ ¼”	2,550 Mtrs		
134.	A.2.7	¼” size Teflon Hose of 2M	56 Nos.		
135.	A.2.8	1” size Teflon Hose of 3M	4 Nos.		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
<b>FABRICATION/ ERECTION OF STRUCTURAL STEEL</b>					
For scope of work, refer clause 6.3.14					
136.	A.6.5.1, B.1.4.1, E.1.6.1, G.2.6	Structural Steel for fabrication of supports consisting of angles, channels (ISA 50x50x6, ISMC 100x50x6, ISA 35x35x3, ISA 40x40x5, ISMC 100x50)	15.5 Tonnes		
<b>ERECTION/TESTING OF GI PIPE (HEAVY DUTY)</b>					
For scope of work, refer clause 6.3.9					
137.	C.3.1	GI Pipes NB 15 x 3.2	1200 Mtrs		
138.	C.3.2	GI Pipes NB 25 x 4.0	300 Mtrs		
139.	C.3.3	GI Pipes NB 50 x 4.5	100 Mtrs		
140.	C.3.4	GI Pipes NB 80 x 4.8	225 Mtrs		
<b>TESTING OF HEATING ELEMENTS</b>					
For scope of work, refer clause 6.3.19.6					
141.	B.1.2.1	Testing and Termination and dressing of Heating Elements for Hopper	672 sets*		

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
142.	B.1.2.2	Testing Heating elements for support insulator heater	112 sets*		
143.	B.1.2.3	Testing Heating elements for shaft insulator heater	28 Nos.		
144.	B.1.2.4	Testing Thermostats for hopper heaters.	14 sets*		
145.	B.1.2.5	Testing Thermostat for support insulators	4 Nos.		
<b>CHECKING &amp; COMMISSIONING OF THE FOLLOWING ERECTED BY OTHER AGENCY</b>					
For scope of work, refer clause 6.3.19					
146.	G.3.12	250 MW Generator	1 No. \$		
147.	A.7.3, E.1.7.1	HT Motors	17 Nos. \$		
148.	A.7.1	Soot Blowers	76 sets* \$		
149.	A.7.2, B.1.5.1, C.5.1, F.3.4, G.3.9	LT Motors (Unidirectional)	124 Nos. \$		
150.	A.7.4, C.5.2, F.3.3, G.3.8	Electric Actuators for Valves/ Dampers	181 Nos. \$		
151.	B.1.5.2	Hoists	2 Nos. \$		
152.	B.1.5.3	ESP transformers	28 Nos. \$		

\$ Rate to be quoted only for commissioning

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
153.	G.3.5	Stroboscope	1 No. \$		
154.	G.3.6	CO Vaporiser	1 No. \$		
155.	G.3.7	H <sub>2</sub> Gas Drier	1 No. \$		
156.	E.2.4.2	Pulveriser Lub Oil Skids	6 sets*\$		
157.	B.3.5	Lub Oil Skids For FD/ID/PA Fans	6 sets*\$		
158.	B.2.9.2	Air Preheater Skids	4 sets*\$		
159.	E.1.7.3	Hydraulic Coupling of BFP	3 sets*\$		
160.	C.5.5	HP Dosing Skid	1 set*\$		
161.	G.3.1	Condenser Vacuum Pump, including CVP PLC and related field instruments	2 sets*\$		
162.	G.3.2	Governing Rack (LR1)	1 set*\$		
163.	G.3.3	Hydraulic Power Supply Unit (HPSU)	1 set*\$		
164.	G.3.4	Oil Centrifuge Unit	2 Nos. \$		
165.	A.3.11.1	Gravimetric Feeders	6 Nos. \$		
166.	A.4.9.1	Direct Water Level Gauges	2 Nos. \$		
167.	A.2.13.2 to A.2.13.5, E.2.4.3	Pneumatic Actuators (On/Off Type)	48 Nos. \$		

\$ Rate to be quoted only for commissioning

\* Lump sum rate to be quoted

SL. NO.	BOM REF.	DESCRIPTION	QTY	UNIT RATE	TOTAL
168.	A.1.16.2	Pneumatic Valves: Trip Valves	13 Nos. \$		
169.	A.1.16.3, C.5.4, F.3.2	Pneumatic Valves: Control Valves	32 Nos. \$		
170.	G.3.11	NRV Valves, Stop Valves, Control Valves, HP/LP Bypass Valves	30 Nos. \$		
171.	B.2.9.1, G.3.10	Checking of Solenoid Valves	36 Nos. \$		
172.	A.2.13.1	Furnace Temperature Probe (Cr-Al Thermocouples)	2 Nos. \$		
173.	B.3.4, E.1.7.2, E.2.3.1, G. 1.4.1, G. 1.4.2, G. 1.4.3	Checking the healthiness of Temperature Elements (RTDs/ Thermocouples)	244 Nos. \$		
174.	C.5.3, F.3.1, G.1.3.6	Flow Indicators/ Flow Meters/ Rotameters	54 Nos. \$		
175.	A.1.16.1, A.3.11.2, G.2.2.13	Checking of Limit Switches	84 Nos. \$		

\$ Rate to be quoted only for commissioning

**Total value :**

**Total Value Rs. ....**  
**(In words)**

**Note : The quantities indicated are approximate only and are liable for variation. Payment will be made as per actual quantity erected.**

\* Lump sum rate to be quoted