

PROFORMA FOR PRICE BID of “Refer ANNEXURE-A,SI-1”.

1. Name of the firm :
2. Name of the Proprietor :
3. Address and Contact Numbers:

PRICE BID FOR CIE JOBS OF E & C OF 1X14.9 MW STG AT TCL MITHAPUR, JAMNAGAR, GUJARAT

1.01.00	LOCAL / FIELD MOUNTED INSTRUMENTS				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.01.01	PRESSURE GAUGES	NOS	39		
1.01.02	PRESSURE GAUGES-Diaphragm seal	NOS	8		
1.01.03	DIFFERENTIAL PRESSURE GAUGES	NOS	4		
1.01.04	ELECTRONIC PRESSURE TRANSMITTER	NOS	23		
1.01.05	PRESSURE SWITCHES	NOS	1		
1.01.06	REMOTE SEAL LEVEL TRANSMITTERS	NOS	2		
1.01.07	DIFFERENTIAL PRESSURE TRANSMITTER	NOS	4		
1.01.08	REMOTE SEAL DIFFERENTIAL TRANSMITTER	NOS	2		
1.01.09	TEMPERATURE GAUGES (BIMETALLIC)	NOS	8		
1.01.10	TEMPERATURE GAUGES (GAS FILLED)	NOS	6		
1.01.11	TEMPERATURE GAUGES WITH FLANGES	NOS	23		
1.01.12	THERMO COUPLES WITH THERMOWELLS	NOS	7		
1.01.13	RTDs	NOS	2		
1.01.14	THERMOWELLS	NOS	22		
1.01.15	LEVEL GAUGES	NOS	4		
1.01.16	TEMPERATURE TRANSMITTERS	NOS	5		
1.01.17	SPEED PROBES	NOS	5		
1.01.18	SOLENOID VALVES	NOS	3		
1.01.19	VIBRATION PROBES	NOS	8		
1.01.20	AXIAL DISPLACEMENT PROBES	NOS	2		
1.01.21	PROBE HOUSING ASSY.	NOS	4		
1.01.22	PROXIMITORS	NOS	16		
1.01.23	KEY PHASOR PROBES	NOS	2		
1.01.24	CONTROL VALVES	NOS	2		
1.01.25	SMART E/P	NOS	2		
1.01.26	DE-SUPER HEATER WITH 2 CONTROL VALVES	NOS	1		
1.01.27	FLOW ELEMENTS	NOS	2		
1.01.00 TOTAL AMOUNT=					

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1.02.00	PANELS & CUBICLES				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.02.01	TURBINE CONTROL PANEL 2100 (H) X 1200 (W) X 800 (D) (WEIGHT= 2000 KG)	NOS	1		
1.02.02	LOCAL GAUGE BOARD 1700 (H) X 1500 (W) X 450(D) =750 KG	NOS	1		
1.02.03	GOVERNING CONSOLE BOARD 1300 x 1300 X 1700 =750 KG	NOS	1		
1.02.04	OPEN TYPE TRANSMITTER RACKS 1250 x 2000	NOS	6		
1.02.05	INSTRUMENT RACKS 1700 X 1700	NOS	5		
1.02.06	110V DC System-1 (For EOP) 110V/200A Float Charger + 200A stand by float Charger + 100A Boost charger 2400 (L) X 800 (B) X 2000 (H)= 800KG	NOS	1		
1.02.07	110 V Battery Junction Box (Wall Mounted) 500 (L) X 300 (B) X 800 (H)= 50 KG	NOS	1		
1.02.8	110 V /KPH 310Ah Ni-Cd Batteries 2220 (L) X 1020 (B) X 1620 (H)= 87 cells, 2600 KG	SET	1		
1.02.09	110V DC System-2 (For Plant Control) 110V/100A Float Charger + 100A stand by float Charger + 150A Boost charger 2400 (L) X 800 (B) X 2000 (H)= 800KG	NOS	1		
1.02.10	110 V Battery Junction Box (Wall Mounted) 500 (L) X 300 (B) X 800 (H)= 50 KG	NOS	1		
1.02.11	110 V /KPL 510Ah Ni-Cd Batteries 2220 (L) X 810 (B) X 1750 (H)= 87 cells, 2250 KG	SET	1		
1.02.12	110V DCDB Cubicle 2150 (L) X 550 (B) X 1900 (H)= 500 KG	NOS	1		
1.02.13	110V DCSC Cubicle 1500 (L) X 550 (B) X 1650 (H)= 350 KG	NOS	1		
1.02.14	DAVR PANEL1000 (L) X 800 (B) X 2115 (H) (WEIGHT=450 KG)	NOS	1		

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1.02.15	C & R PANEL a. Generator metering panel 800 (L) X 1000 (B) X 2115 (H)= 425 KG b. Gen. synchronisation panel 1000 (L) X 1000 (B) X 2115 (H)= 525 KG c. Gen. Relay panel 1200 (L) X 1000 (B) X 2115 (H)= 700 KG d. FDR panel 750 (L) X 1000 (B) X 2115 (H)= 250 KG	SET	1		
1.02.16	Generator Line & Neutral side Cubicles a. Phase side CT Cubicle 1560 (L) X 1000 (B) X 1850 (H)= 1000 KG b. Neutral side CT Cubicle 1560 (L) X 1000 (B) X 1850 (H)= 1000 KG c. LAVT Cubicle 2400 (L) X 1700 (B) X 2200 (H)= 2000 KG d. NGE (NGT+Isolator+LR) Cubicle 1500+800 (L) X 1200 (B) X 1800 (H)= 1250 KG	SET	1		
1.02.00 TOTAL AMOUNT=					

1.03.00	PANEL MOUNTED INSTRUMENTS				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.03.01	TSI RACK 3500 SERIES BENTLEY NEVADA MAKE, 500 (L) X 450 (W) X 300(H) =30 KG	NOS	1		
1.03.02	WOODWARD GOVERNOR (WWG 505) wt.=100 KG	NOS	1		
1.03.03	OVER SPEED DEVICE (PROTECH GII)	NOS	1		
1.03.00 TOTAL AMOUNT=					

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1.04.00	JUNCTION BOXES & LOCAL CONTROL STATIONS (LCS)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.04.01	ELECTRICAL JUNCTION BOXES 32 TERMINAL	NOS	12		
1.04.02	ELECTRICAL JUNCTION BOXES 60 TERMINAL	NOS	10		
1.04.03	JUNCTION BOXES (Weatherproof)	NOS	6		
1.04.04	PROXIMETER HOUSINGS	NOS	9		
1.04.00 TOTAL AMOUNT=					

1.05.00	PROCESS AND PNEUMATIC TUBING & PIPING				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.05.01	CS PIPE - 60.3 X 3.91	MTR	155		
1.05.02	PIPE SA335GrP22/P91 - 21.3 X 4.78	MTR	335		
1.05.03	SS TUBE - 12.7 X 2.1 MM	MTR	400		
1.05.04	CS PIPE - 21.3 X 4.78	MTR	185		
1.05.05	CS PIPE - 21.3 X 3.73	MTR	20		
1.05.06	PIPE SS 316 L - 21.3 X 3.73 mm	MTR	122		
1.05.07	TUBE SMLS 1/2"X 2.1 mm	MTR	65		
1.05.00 TOTAL AMOUNT=					

1.06.00	CABLES : (ERECTION, TERMINATION & TESTING)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.06.01	1P X 1.5 SQ. MM SIGNAL CABLE	MTR	2500		
1.06.02	2P X 16 ANSI TC KX EXTENSION CABLE	MTR	300		
1.06.03	6P X 1.5 SQ. MM SIGNAL CABLE	MTR	1000		
1.06.04	3C X 6 SQ. MM CABLE	MTR	800		
1.06.05	5C X 2.5 SQ. MM CABLE	MTR	7500		
1.06.06	10C X 2.5 SQ. MM CABLE	MTR	1500		
1.06.07	2T X 1.5 SQ. MM CABLE	MTR	300		
1.06.08	10T X 1.5 SQ. MM CABLE	MTR	1000		
1.06.09	1C X 500 SQ. MM CABLE	MTR	7800		
1.06.00 TOTAL AMOUNT=					

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1.07.00	ERECTION OF CABLE TRAYS & CABLE DUCT				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.07.01	PERFORATED CABLE TRAY L=2.5M, W=50 MM, F-25MM	MTR.	600		
1.07.02	COUPLER PL+FASTENERS OF CABLE TRAY , W=50 MM, F-25MM	MTR.	1200		
1.07.03	COVER FOR CABLE TRAY , W=50 MM, L=2.55M	MTR.	600		
1.07.00 TOTAL AMOUNT=					

1.08.00	FABRICATION, ERECTION OF STRUCTURAL STEEL				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.08.01	CHANNEL 100 X 50	KGS	432		
1.08.02	ANGLE 50 X 50 X 6 mm	KGS	326		
1.08.03	SHEET 250 x 250 X 6 mm	KGS	206		
1.08.04	PLATE 375 X 770 mm	NOS.	12		
1.08.00 TOTAL AMOUNT=					

1.09.00	PLANT EARTHING MATERIALS (Above Ground Earthing Materials)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	TOTAL COST
1.09.01	70x10mm GI Strip	MTR.	150		
1.09.02	50x6mm GI Strip	MTR.	500		
1.09.03	25x6mm GI Strip	MTR.	400		
1.09.04	8SWG GI wire, solid	MTR.	500		
1.09.00 TOTAL AMOUNT=					

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<u>SUMMARY SHEET</u>		
1.01.00	LOCAL / FIELD MOUNTED INSTRUMENT (1.01.01 TO 1.01.27)	
1.02.00	PANELS & CUBICALS (1.02.01 TO 1.02.16)	
1.03.00	PANEL MOUNTED INSTRUMENTS (1.03.01 TO 1.03.03)	
1.04.00	JUNCTION BOXES & LOCAL CONTROL STATIONS (LCS) (1.04.01 TO 1.04.04)	
1.05.00	PROCESS & PNEUMATIC TUBING FITTING (1.05.01 TO 1.05.07)	
1.06.00	CABLES (1.06.01 TO 1.06.09)	
1.07.00	ERECTION OF CABLES TRAYS & CABLE DUCTS (1.07.01 TO 1.07.03)	
1.08.00	FABRICATION, ERECTION OF STRUCTURAL STEEL (1.08.01 TO 1.08.04)	
1.09.00	PLANT EARTHING MATERIALS (Above Ground Earthing Materials) (1.09.01 TO 1.09.04)	
	GRAND TOTAL	

Note: The above rates are exclusive of GST, which is to be paid extra as applicable

1. Obtaining statutory approvals from PESO, TAC, Electrical Inspector or any other Governing Agencies shall be in contractor's scope.
2. The following are typical erection consumables that are envisaged in this project:
 - a) Miscellaneous hardware for Erection like Nuts, bolts, washers etc. are in contractor's scope
 - b) Supply of cable fastening material shall be by Erection Agency
 - c) Double compression, Ni coated brass/SS, as required of Size- ½", ¾", 1", 1-1/4", 1-1/2", 2"
 - d) Tinned Cable Lugs at both ends, 5000 Nos for 1.5 mm² cable (Normal & Fork) and 8000 Nos for 2.5 mm² cable (Normal & Fork)
 - e) PVC Cable Gland shrouds (covers) as required.
 - f) Cable ferruling numbers & characters as required
 - g) Name plates/Tag plates with tying/fixing material for cable's both end & filed instruments@ 100 meters per run of cable as required.
 - h) Cable Markers@ 100 meters per run of cable, as required
 - i) Adapters for cable glands & Junction boxes@ 100 meters per run of cable, as required
3. Marked-up "AS-Built" documents/drawings have to be prepared and provided by contractor.
4. Proper sealing of all cable entry openings to prevent water leakage. (The required materials for sealing shall be in contractor's scope).
5. Surface preparation & Painting (Supply & Application) as per customer specification for Piping is in the scope of the Contractor only

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