

PRICE SCHEDULE FOR FOREIGN BIDDER - COMPRESSED AIR SYSTEM PACKAGE

Sl.No	FOREIGN BIDDER	Qty	IMPORTED ITEMS (Supply not from Indian Territory)						INDIGENEOUS ITEMS (Supply from Indian Territory)					E&C(Erection & Commissioning) Charges			Total Lumpsum COST for supply (on C & F Basis) and E&C ((Currency)+Currency+Currency)		
			TOTAL F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	Ocean Freight (Currency)	Ocean / Marine Insurance	Total Custom Duty including CVD, SAD etc. (Refer Project SCC for concessions) (INR)	Port Handling / Clearing charges	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. site Imported Items supply price (Currency + INR)	TOTAL EX-WORKS PRICE (INR)	Excise Duty @ ...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	Total FOR Site IMPORTED + INDIGENEOUS SUPPLY ((Currency+INR)+INR)	E & C (Currency)		SERVICE TAX @% (Currency) on E&C Charges	TOTAL E & C INCLUDING SERVICE TAX (if applicable) (Currency)
	DESCRIPTION OF EQUIPMENT / ITEM		1	2	3	4	5	6	7=1+2+3+4+5+6	8	9	10	11	12=8+9+10+11	13=12+7	14	15	16 = 14+15	17=16+13
1.0.0	Total lumpsum firm prices for the supply of equipment & services as specified, Comprising Design, Engineering, Manufacture, Inspection & Testing at Manufacturer's Works, Painting at Manufacturer's Works, Duly packed for Transportation, Delivery to Site, loading, unloading & storage at site, supply of erection materials, consumables, start-up & commissioning spares, and mandatory spares as required to complete the compressed air system including service part for unloading, storage & handling at site, erection, commissioning, trial run, carrying out performance tests at site, handing over to customer in line with drawings/ documents/ test procedures approved by BHEL/ customer, for the total scope defined in technical specification (spec.No. PE-TS-408-555-A001) and terms & conditions of tender, taking into account all clarifications, confirmations and agreements till date for Compressed Air System for 1 X 800 MW WANAKBORI TPS.	1 LOT			BHEL SCOPE														
2.0.0	CIF Content : Total CIF content for supply portion (imported content) as required, for total scope defined as per technical specification and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date, to be indicated along with currency.		1) Currency : Value:																
NOTES																			
Bidder to note that total price indicated above at 1.0.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.																			
a Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.																			
b Total Lumpsum price in column-8 should match with summation of total prices as in [Column (17) of 1.0.0 of Annexure-I + Column (15) of A of Annexure - II + Column (5) of 1.0.0 of Annexure- III .																			
c Total erection & commissioning charges including PG Test and handing over charges (including service tax), if applicable, should be minimum 20% of the total quoted package (excluding mandatory spares but including all taxes & freight), failing which the break-up of price shall be adjusted accordingly for ordering.																			
d All deviations should be marked in Cost of withdrawal sheet (Annexure-V) only. Deviations marked elsewhere other than schedule of deviation shall not be taken into cognizance.																			
e Bidder must submit prices in the Pro Forma duly filled in signed and stamped on every page without any ambiguity. The price shall be written against each item. Term such as "refer covering letter" etc. are not acceptable. Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.																			
Bidder's / bidder's representative signature																			

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1 X 800 MW WANAKBORI TPP

ANNEXURE-I
MAIN SUPPLY - PRICE SCHEDULE FOR FOREIGN BIDDER- COMPRESSED AIR SYSTEM PACKAGE

SLNo	DESCRIPTION OF EQUIPMENT / ITEM	QUANTITY	IMPORTED ITEMS (Supply not from Indian Territory)							INDIGENEOUS ITEMS (Supply from Indian Territory)					TOTAL PRICE		REMARKS	
			UNIT F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	TOTAL F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	Ocean Freight (Currency)	Ocean / Marine Insurance	Total Custom Duty including CVD, SAD etc. (Refer Project SCC for concessions) (INR)	Port Handling / Clearing charges	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. site Imported Items supply price (Currency + INR)	UNIT EX-WORKS PRICE (INR)	TOTAL EX- WORKS PRICE (INR)	Excise Duty @ ...% (for self manufactured items only) (INR)	CST @% (for Against C-form & E1/E2 or VAT @% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX @% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)		Total FOR Site IMPORTED + INDIGENEOUS SUPPLY [(Currency+INR)+INR]
			1	2	3	4	5	6	7	8=2+3+5+6+7	9	10	11	12	13	14 = 9+10+11+12+13	15=14+8	
1.0.0	Total lumpsum firm prices for the supply of equipment & services as specified, Comprising Design, Engineering, Manufacture, Inspection & Testing at Manufacturer's Works, Painting at Manufacturer's Works, Duly packed for Transportation, Delivery to Site, loading, unloading & storage at site, supply of erection materials, consumables, start-up & commissioning spares, and mandatory spares as required to complete the compressed air system for the total scope defined in technical specification (spec.No. PE-TS-408-555-A001) and terms & conditions of tender, taking into account all clarifications, confirmations and agreements till date for Compressed Air System for 1 X 800 MW Wanakbori TPS.																	
2.0.0	Break up prices for items covered in clause 1.0 above. Prices for design,						BHEL SCOPE											
2.1.0	Instrument Air Compressor (oil free Screw) Each of 30 NM3/Minute capacity at 8.5 kg/cm2 (g) consisting Electric motor to drive the compressor with accessories, Suction filter and silencer, Inter Cooler, After Cooler with moisture separators, automatic drain traps, instruments, Control panel etc.	3	Nos															Column (15) of this clause shall be within 30-33 % of Total price at Column (15) of 1.0.0
2.2.0	Service Air Compressor (oil free Screw) Each of 30 NM3/Minute capacity at 8.5 kg/cm2 (g) consisting Electric motor to drive the compressor with accessories, Suction filter and silencer, Inter Cooler, After Cooler with moisture separators, automatic drain traps, instruments, Control panel etc.	3	Nos															Column (15) of this clause shall be within 30-33 % of Total price at Column (15) of 1.0.0
2.3.0	Air Dryer (Refrigerant Type) Air Drying Plant of 33 NM ³ /min and to match instrument air compressor with all instruments and controls including Electronic Dew point meter as specified.	3	Nos															Column (15) of this clause shall be within 10-17 % of Total price at Column (15) of 1.0.0
2.4.0	Air receivers Air receiver at Compressor house of 16 M3 capacity with each having Pressure gauges, Temperature gauges, Relief valve, Drain connection with zero purge type automatic trap stations and other accessories as specified.	8	Nos															Column (15) of this clause shall be within 6-8 % of Total price at Column (15) of 1.0.0
2.5.0	Pipes & fittings Inter connecting cooling water, compressed air piping & Drain piping up to the nearest common drain point outside compressor house as specified including fittings and valves, etc. for complete compressed air system.	1	Lot															Column (15) of this clause shall be within 10-12 % of Total price at Column (15) of 1.0.0
2.6.0	Field instruments including temperature scanners , sequental panel, PLC interface module for the overall control of the compressed air system through DDCMS as specified.	1	Lot															Column (15) of this clause shall be within 3-5 % of Total price at Column (15) of 1.0.0
2.7.0	Cable, Cable lugs, glands, junction box etc for Compressed Air System equipment as required.	1	Lot															
2.8.0	Total lump sum prices for Maintenance Tool & Tackles (as specified in the Annexure-IV , Volume-II of the technical specification PE-TS-408-555-A001)	1	Lot															Column (15) of this clause shall be within 1-2 % of Total price at Column (15) of 1.0.0
2.9.0	Total lump sum prices for Start-Up & commissioning spares (as specified in the Annexure-XII , Volume-II of the technical specification PE-TS-408-555-A001)																	
3.0.0	Total of 2.0 (Total of 2.1 to 2.9) (Should match with 1.0). However , the break up prices indicated under this head are for internal use only & NOT for any comparison purpose & or making adjustment for scope variation.)																	Column (15) of this clause shall be 100 % of Total price at Column (15) of 1.0.0
Bidder's / bidder's representative signature																		

As 15/10/15

1 X 800 MW WANAKBORI TPS

ANNEXURE II
PRICE SCHEDULE FOR FOREIGN BIDDER - MANDATORY SPARES OF COMPRESSED AIR SYSTEM PACKAGE

Sl.No	Description	Qty.	Qty. Offered	IMPORTED ITEMS (Supply not from Indian Territory)		INDIGENEOUS ITEMS (Supply from Indian Territory)												
				UNIT F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	TOTAL F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	Ocean Freight (Currency)	Ocean / Marine Insurance	Total Custom Duty including CVD, SAD etc. (Refer Project SCC for concessions) (INR)	Port Handling / Clearing charges	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. site Imported Items supply price (Currency + INR)	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	ED @...% (for self manufactured items only) (INR)	CST @...% Against C-form & E1/E2 or VAT @...% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX @...% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	Total FOR Site IMPORTED + INDIGENEOUS SUPPLY [(Currency+INR)+INR]
				1	2	3	4	5	6	7	8+2+4+6+7	9	10	11	12	13	14+9+10+11+12+13	15+14+8
X. Mechanical																		
SCREW COMPRESSOR																		
1.1	HP Stages of Compressor																	
	(i) HP element	One (1) Set																
	(ii) Packing Set	Four (4) Sets																
	(iii) Axial thrust brs	Two (2) Sets																
	(iv) Labyrinth oil seal or radial seals or double acting seals for drive shaft	Four (4) Sets																
	(v) Bearing for male & female rotors (DE & NDE)	Two (2) each																
	(vi) Timing Gears	One (1)																
	(vii) Suction & discharge valves	Two (2) each																
1.2	LP Stages of Compressor																	
	(i) LP element	One (1) Set																
	compressor chamber or white metal labyrinth seals	Four (4) Sets																
	(ii) Packing Set	Four (4) Sets																
	(iv) Axial thrust Bearing	Two (2) Sets																
	(v) Bearing for male & female rotors (DE & NDE)	Two (2) each																
	(vi) Timing Gears	One (1)																
	(vii) Suction & discharge valves	Two (2) each																
1.3	Main Bearing	Two (2) each																
1.4	Set up gear/inion	One (1)																
1.5	Air Intake filter element with gaskets	Eight (8)																
1.6	Oil filter element with gaskets & seals	Eight (8)																
1.7	Safety valve springs & gaskets	Four (4)																
1.8	One set of Inbuilt automatic drain valve	Four (4)																
1.9	Gearcase breather filterelement	One (1)																
1.10	Drain valve kit	One (1)																
1.11	Compressors Coolers																	
	(i) Gaskets & seals for inter cooler and after cooler	Four (4)																
	(ii) Inter cooler drain check valve	One (1)																
1.12	Oil Pump/Motor																	
	(i) Oil pump complete assembly	One (1)																
	(ii) Pump impeller/rotor with shaft	One (1)																
	(iii) Set of bearings	Two (2) Sets																
	(iv) Oil pump motor bearings	Two (2)																
1.13	Shaft driven oil pump																	
	(i) Drive gear with shaft	One (1)																
	(ii) Driven gear with shaft	One (1)																
1.14	Drain tap elements	Four (4)																
1.15	Moisture tap elements	Four (4)																
1.16	Oil cooler gaskets and seals	Four (4)																
1.17	Seal Washer	Two (2)																
1.18	Mass flow Meter	One (1)																
1.19	Air Drying Plant																	
	(i) Pre filter element (ceramic candle)	Two (2)																
	(ii) After filter element (ceramic candle)	Two (2)																
	(iii) Heater element (if required)	Two (2)																
	(iv) Blower bearing (if required)	Two (2)																
	(v) Blower motor bearing (if required)	Two (2)																
	(vi) Valve actuators	Two (2)																
	(vii) Inlet & Outlet valve for Dryer	One (1) Set																
	(viii) Automatic drain valves (No air loss type)	One (1) Set																
	(ix) Expansion valves	One (1) Set																
	(x) Filter Dryer	One (1) Set																
	(xi) Air cooler condenser fan	One (1) Set																
Y. Electrical																		
PMCC/MCC/ACDB (as applicable)																		
2.1	Contactor																	
2.1.1	Power Contactor (AC)																	
2.1.1.1	Power Contactor Complete Assembly	4 Nos. for each type and rating																
2.1.1.2	Power Contactor spare kits	10Sets for each type and rating																
2.1.1.3	Power Contactor AC Coils	10Nos. Coils for each type and rating																
2.1.2	Auxiliary Control Contactor (AC)																	
2.1.2.1	Auxiliary Control Contactor Complete Assembly	30 Nos. for each type and rating																
2.1.2.2	Auxiliary Control Contactor spare kits	40 Sets for each type and rating																
2.1.2.3	Auxiliary Control Contactor AC Coils	35 Nos. for each type and rating																
2.2	MCCB (Power Circuit)	5 Nos. for each type and rating																
2.3	MCB (Control Circuit)	25 Nos. for each type and rating																
2.4	Switch																	
2.4.1	Local / Remote Selector Switch	10Nos.																
2.4.2	MCCB Status (On/Off) Monitoring Switch/Contact	5Nos.																
2.4.3	Tripl / Normal /MCC Selector Switch	15Nos.																
2.4.4	MCC module Service Position Limit Switch	5Nos.																
2.5	Thermal Overload Relay	5Nos. for each type and rating																
2.6	Sliding Contact (Fixed & Moving)	25Sets																
2.7	Bus bar to MCC module Lira Contact Assembly (Bus-end & MCC Module-end)	5Sets for each type and rating																
2.8	Indicating Lamps complete assembly																	
2.8.1	Red	30Sets																
2.8.2	Amber	30Sets																
2.8.3	Green	30Sets																
2.9	Push Button (On/Off) Complete Assembly	20Sets																
2.1	CT	1No. for each type and rating																
2.11	Ammeter	1No. for each type and rating																
2.12	Control Transformer	1No. for each type and rating																
2.13	Off Delay/ On Delay Timer	5Nos. for each type and rating																
2.14	Switch Fuse Unit	5Nos. for each type and rating																
2.16	Terminal Block																	
2.15.1	Power Terminal Block	10% of total nos. for each type and rating used in the system or minimum one (1) no. whichever is more																
2.15.2	Control Terminal Block	10% of total nos. for each type and rating used in the system or minimum one (1) no. whichever is more																
2.15.3	End Plate for Power & Control Terminal Block	Each type 25Nos.																
2.3	Energy Meter	1No. For each type & rating																
2.4	Control Panel/Desk Mounted Items																	
2.4.1	Push Button																	
2.4.1.1	Complete assembly	5Nos for each colour																
2.4.1.2	Contact Element (1NO + 1NC) Block	20Nos																
2.4.2	Selector Switch	10Nos. for each type and rating																
2.4.3	Meter (Analog or Digital)																	

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ANNEXURE II
PRICE SCHEDULE FOR FOREIGN BIDDER - MANDATORY SPARES OF COMPRESSED AIR SYSTEM PACKAGE

Sl.No	Description	Qty.	Qty. Offered	IMPORTED ITEMS (Supply not from Indian Territory)				INDIGENEOUS ITEMS (Supply from Indian Territory)									
				UNIT F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	TOTAL F.O.B. Price (including seaworthy packing; handling and transportation to Vendor's own port.) (Currency)	Ocean Freight (Currency)	Ocean / Marine Insurance	Total Custom Duty including CVD, SAD etc. (Refer Project SCC for concessions) (INR)	Port Handling / Clearing charges	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. site Imported Items supply price (Currency + INR)	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	ED @...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @....% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @.....% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
				1	2	3	4	5	6	7	8+9+10+11+12	13	14	15	16	17	
2.4.1	Ammeter	10% for each type and range or minimum one (1) no. whichever is more															
2.4.2	Voltmeter	10% for each type and range or minimum one (1) no. whichever is more															
2.4.3	Frequency	10% for each type and range or minimum one (1) no. whichever is more															
2.4.4	MW	10% for each type and range or minimum one (1) no. whichever is more															
2.4.5	MVAR	10% for each type and range or minimum one (1) no. whichever is more															
2.4.6	Power Factor	10% for each type and range or minimum one (1) no. whichever is more															
2.4.7	Synchroscope	10% for each type and range or minimum one (1) no. whichever is more															
2.5	Indicating Lamps complete assembly	10Nos. for each Colour and type															
2.6	Mimic Lamps	10Nos. for each Colour and type															
2.7	MCB	2Nos. for each type and rating															
2.8	Door Limit Switch	2Nos.															
2.9	Annunciation system																
2.9.1	Lamp Box with Facia & Lamps (LED type)	25Nos.															
2.9.2	Hooter	1No.															
2.9.3	Each type of PCB (for non-PLC driven system)	1(one) no.															
2.1	Actuator																
2.10.1	Complete set of Actuator	1No. for each type and rating															
2.10.2	Limit Switch	2 Nos each type and rating															
2.10.3	Torque Switch	2 Nos each type and rating															
2.10.4	Auxiliary Contact	1 no each type and rating															
2.10.5	Motor	1 no each type and rating															
2.10.6	Complete Seal kit	1Set for each type and rating															
2.10.7	Complete O-Ring Set	1Set															
2.10.8	Control System (DCS, PLC etc.)																
3.1	Field Instruments (Transmitter/temperature elements (TC / RTD) / Gages / Switches etc. along with relevant accessories)	10 (ten) percent of total of each type or at least one (whichever is higher) of each type along with accessories.															
3.2	Control System (DCS, PLC etc.)																
3.2.1	keyboard and cursor control devices.	2 (two) numbers each															
3.2.2	LCD TFT (24") Monitors.	2 (two) numbers															
3.2.3	Spare interface cables with connecting plugs	10 (ten) sets for each type of peripherals & I/O hardware.															
3.2.4	Power supply modules	10 (ten) percent for each type or 4 (four) numbers, whichever is higher.															
3.2.5	Electronic modules (I/O)	10 (ten) percent of the total qty. offered for each type or 5 (five) numbers of each electronic type of module, whichever is higher.															
3.2.6	Bus couplers and communication interface cards	10 (ten) percent of total of each type or 2 (two) numbers of bus couplers and communication interface cards whichever is higher.															
3.2.7	Controllers for DCS, Control panel ST, Boiler control system, Balance of plant system, PLC systems/Sub-systems	10% of each type (at least 1 no. of each type) whichever is higher.															
3.3	Valves, Actuators & Accessories																
3.3.1	Control Valves																
3.3.1.1	Control valve stem packing, as offered.	2 (two) sets for each of the control valves															
3.3.1.2	of spare valve trim (including cage, plug, stem, seal rings, guide bushings etc.)	1 (one) set for both the units for each of the control valves, as offered.															
3.4	Actuators																
3.4.1	Actuators with drive	1 (one) set of each type and rating.															
3.4.2	Valve positioners	10 (ten) percent of each type.															
3.4.3	Position transmitters	10 (ten) percent of each type.															
3.4.4	Limit switches/torque switches	10 (ten) percent of each type.															

A Total Lumpsum price of Mandatory Spares

Notes

a) Unless stated otherwise, a 'set' means item or sub-items required for each type/size, range of 330mm/ sub-assembly required for complete replacement in one equipment system; it is further intended that the assembly/ sub-assembly which have different orientation (like left hand or right hand, top or bottom), different direction of rotation or mirror image positioning or any other reasons which result in maintaining two different sets of spares to be used for subject assembly/ sub-assembly, these shall be considered as different type of assembly/ sub-assembly.

b) Whenever quantity has been specified as percentage(%), the quantity of mandatory spares to be provided by the vendor shall be the specified percentage (%) of total population required to meet the specification requirements. In case the quantity of mandatory spares so calculated happens to be in fraction, the same shall be rounded off to next higher whole number.

c) Whenever the quantities have been indicated for each type, size, thickness, material, radius, range etc., these shall cover all the items supplied and installed and the breakup of these shall be furnished by the vendor during detail engineering.

d) In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to the offered design with quantities generally in line with the approach followed in the above list.

e) Whenever bidder has indicated an item as not applicable, the same will have to be supplied free of cost, in case it is found applicable during detail engineering.

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PRICE SCHEDULE		Rev 00	15/10/15	
Ref. Enquiry No.: PE/PG/WAN/E-5059/2015 Dated: 15/10/15				
1 X 800 MW WANAKBORI TPS				
ANNEXURE-III				
ERECTION & COMMISSIONING - PRICE SCHEDULE FOR FOREIGN BIDDER - COMPRESSED AIR SYSTEM PACKAGE				
		E&C(Erection & Commissioning) Charges		
Sl.No	DESCRIPTION OF EQUIPMENT / ITEM	E & C (Currency)	SERVICE TAX @ % (Currency)	TOTAL E & C INCLUDING SERVICE TAX (if applicable) (Currency)
1	2	3	4	5 = 3 + 4
1.0.0	Total lumpsum firm prices for the services as specified, comprising of service part for unloading, storage & handling at site, erection, commissioning, trial run, carrying out performance tests at site, handing over to customer in line with drawings/ documents/ test procedures approved by BHEL/ customer, for the total scope defined in technical specification (spec.No. PE-TS-408-555-A001) and terms & conditions of tender, taking into account all clarifications, confirmations and agreements till date for Compressed Air System for 1 X 800 MW WANAKBORI TPS.			
NOTE:				
1	As per cl. no. 3.0 of GCC Rev-06, Total erection & commissioning charges including service tax should be minimum 20% (or as specified in NIT) of the total quoted package price (excluding mandatory spares but including all taxes and freight), failing which the break-up of prices shall be adjusted accordingly for ordering.			
Bidder's / bidder's representative signature		Company seal		

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15/10/15

PRICE SCHEDULE

Rev 00

15/10/15

Ref. Enquiry No.: PE/PG/WAN/E-5059/2015 Dated: 15/10/15

1 X 800 MW WANAKBORI TPP

ANNEXURE-IV

GUARANTEED POWER CONSUMPTION - PRICE SCHEDULE FOR COMPRESSED AIR SYSTEM PACKAGE

Guaranteed Power Consumption For Air Compressor System Shall be as per Following :

S.No. (1)	Description of Equipments (2)	Nos. of Equipments (3)		Total Guaranteed Power Consumption for Each Equipment at Motor Input Terminals & control Panel (4)	Duty Factor (5)	Total (KW) (6) = (3A)*(4)*(5)
		Working (3A)	Standby (3B)			
1	Serve Air Compressor (Oil free Screw type) 30 NM3/min at 8.5 Kg/cm2 pressure	2	1		1	
2	Instrument Air Compressor (Oil free Screw type) 30 NM3/min at 8.5 Kg/cm2	2	1		1	
3	Air Drying Plant Unit (Refrigerant type)	2	1		1	
					TOTAL	

Note :

1	Estimated Power Consumption Figure for the compressed air system (For Working Drives Only) considered is 1100 KW (For station)
2	Bidders Guaranteed power consumption at motor input terminals (Not Shaft Power) including power for control panel as furnished in guranteed schedule shall be demonstrated by the successful bidder during performance testing at works/site.
3	The price quoted by the bidder shall be loaded @ (INR)200000/- for every additional kW increase in consumption from the base figure indicated at Note no. 1.0 above.
4	In case the successful bidder fails to establish / prove the guaranteed values of power consumption (base figure of auxiliary power consumption) on actual performance testing at the manufacturing works / site, penalty @ (INR)200000/- per kW increase in power consumption figure shall be levied.

15/10/15

