



ANNEXURE I

1 X 370 MW YELAHANKA CCPP (KPCL)

PRICE SCHEDULE FOR MANDATORY SPARES OF COMPRESSED AIR SYSTEM PACKAGE

NIT REF NO-PE/PG/VE/1/E-5179/2015 DTD-10.02.2016

Rev 01

SL NO	ITEM DESCRIPTION	TOTAL QTY	UOM	IMPORTED ITEMS (Supply not from Indian Territory)						INDIGENEOUS ITEMS (Supply from Indian Territory)						GRAND TOTAL	
				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 AND TRANSPORTATION TO VENDOR'S OWN PORT) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.B. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY + INR)	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' / E/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)		TOTAL F.O.B. SITE PRICE (INR)
1	O Ring for each size	1 Set	Set	1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=9+10+11+12	14 = 7+13
2	Packing Ring	12	Nos														
3	Oil Wiper Ring	12	Nos														
4	Sealing Ring	2	Nos														
5	Gasket for each size	1 Set	Set														
6	Clamp for valve assembly	7	Nos														
7	Clips for valve assembly	7	Nos														
8	Valve Spring (LP suction)	7	Nos														
9	Valve spring (HP Suction)	7	Nos														
10	Valve Spring Discharge	7	Nos														
11	Valve Plate	12	Nos														
12	Damper plate	20	Nos														
13	Piston Ring - LP	2	Nos														
14	Rider Ring - LP	2	Nos														
15	Piston Ring - HP	3	Nos														
16	Rider Ring - HP	2	Nos														
17	Oil Filter Element	2	Nos														
18	Suction Filter element	2	Nos														
19	Bearing for driving and non driving ends of compressors	2 set	Set														
20	Compressor spare crank shaft	1	Nos														
21	Suction Valve Assembly for LP	1 Set	Set														
22	Suction Valve Assembly for HP	1 Set	Set														
23	Discharge Valve Assembly for LP	1 Set	Set														
24	Discharge Valve Assembly for HP	1 Set	Set														
25	Suction Valve Un loader	1 Set	Set														
26	Piston rod with locknut	1 Set	Set														
27	LP and HP Piston	1 Set	Set														
28	Motor	1 No. of each type, rating & frame size	Nos														
29	For all field instruments, air filter regulators, transmitter racks and interposing relays,	a minimum of one(1) no. or 10% of the quantity of each type and range, whichever is higher	Nos														
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 assembly/ 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) Wherever 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) Wherever 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 break-up 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) Wherever 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.
- f) In case the indicated spares are not applicable, bidder shall quote for suitable alternate spares. The same needs to be clearly demarcated in the offer submitted by the bidder.

श्री. ए. ए. सुनील शर्मा / SUNIL SHARMA

 शरीर संरक्षण (पी. सी. ए. 2) / Sr. Engineer (PC-2)

 भारत सेवा इंजीनियरिंग प्राइवेट लिमिटेड / Bharat Seva Engineering Private Ltd.

 Power Section - Project Engineering Department

 प्लॉट नं. 25, सुन्दर - 10A, इन्डोर - 201 301

 Plo No. 25, Sunder - 10A, Indor - 201 301

ANNEXURE - II



1 X 370 MW YELAHANKA CCPP (KPCL)

IMPORT CONTENT - PRICE SCHEDULE FOR COMPRESSED AIR SYSTEM PACKAGE

NIT REF NO-PE/PG/YE1/E-5179/2015 DTD-10.02.2016

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALL INCLUSIVE PRICE (As per tender)
1.0	Total price (in terms of 'Euro/US \$' and correspondingly in INR as on date) for supply of import 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. (Bidder shall furnish item-wise break-up in a separate sheet)	
1.1.1	In Euro.	
1.1.2	In INR (Corresponding to 1.1.1).	
1.2.1	In US \$.	
1.2.2	In INR (Corresponding to 1.2.1).	
1.3	Total in INR (1.1.2 + 1.2.2).	
NOTE		
1.0	Bidder's quoted price in various schedules shall be inclusive of above total price for import component at sl no 1.3 above.	
2.0	Bidder shall furnish item-wise break-up of imported items.	

(Handwritten Signature)

ಶ್ರೀನಿವಾಸ / SUREET SARKAR
 ಡೀಪಿ ಆಫೀಸರ್ (ಇ.ಪಿ.ಎಂ./ಇ.ಇಂಜಿನಿಯರಿಂಗ್) (ಇಂಜಿನಿಯರಿಂಗ್)
 ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್

ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್
 Power Supply Division, Engineering Management
 ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್, ಕೆಆರ್‌ಪಿಎಲ್ ಲಿಮಿಟೆಡ್
 Plot No. 62, Sector - 1, Bellandur - 560101

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	Standby			
1	Air Compressors common for service air and instrument air (Oil free Screw type) 15 NM ³ /min at 8 Kg/cm ² pressure	1	1		0.66	
2	Air Drying Plant Unit (Conventional Twin Tower type/ Rotary drum type as applicable)	1	1		0.66	
TOTAL						
Note :						
1	Estimated Power Consumption Figure for the compressed air system (For Working Drives Only) considered is 94 KW					
2	Bidders Guaranteed power consumption at motor input terminals (Not Shaft Power) including power for control panel as furnished in guaranteed 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) 136000/- 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) 136000/- per kW increase in power consumption figure shall be levied.					

श्री अशोक कुमार / श्री अशोक कुमार
 प्लान्ट इंजीनियर (ए-2)
 एन.टी.एल. (एन.टी.एल. इंजीनियरिंग प्रा. लि.)
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Handwritten signature and date: 29/12

