



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT

PROJECT : 2x490 MW NTPC NCTPP Dadri Stage-II
PACKAGE : COMPRESSED AIR SYSTEM
TENDER ENQUIRY NO.: PE/PG/NTP/E-5913/2018 Dt. 18.04.2018

DATE: - 26.04.2018

Corrigendum-01

In reference to the above mentioned tender enquiry for COMPRESSED AIR SYSTEM package, there are change in price format. Hence you are requested to quote in Rev 01 only.

All the other terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Bidders are requested to ensure submission of offer on or before due date.

Regards

Vinit Kumar Verma
Dy. Mgr./ PG-BOP

**PRICE FORMAT (REV 01) FOR INDIAN BIDDERS
(Annexure-A)**

Doc No:	PE-PF-436-555-A001
Rev No:	0
Date of issue	28.03.18

NAME OF PROJECT:	2x490 MW NTPC NCTPP Dadri Stage-II
NAME OF PACKAGE:	COMPRESSED AIR SYSTEM
TECHNICAL SPECIFICATION:	PE-TS-436-555-A001
ENQUIRY NO.	Enq. No.: PE/PG/NTPIE-5913/2018 Dt. 18.04.2018

S. No.	Description	HSN / SAC CODE	UNIT	QTY	Total Ex-works duly packed (INR)	Type of GST (IGST/CGST + SGST/UTGST)	Freight in % Only	FREIGHT IN INR	Total FOR site price excluding GST (INR)	Total E&C & AMC Price (INR)	Type of GST (IGST/CGST + SGST/UTGST)	Total Price (Main Supply O&M Spares+ Freight+ E&C + AMC) Excluding GST INR	Total price in words
Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part, Services part including AMC (Annual Maintenance Contract) for Three (3) years after successful handover of Compressed Air System to end customer and O&M Spares comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, O&M Spares along with spares for erection, start up and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site, AMC for three years after handover of CAS to end customer along with maintenance kits as per OEM recommendation and as specified in O&M Manual of that equipment and other spares as required, preparation of layout drawings and carrying out Performance guarantee tests at site, training of customer/client and O&M staff and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.													
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables alongwith spares for erection as required, startup and commissioning spares and maintenance kits as per OEM recommendation and as specified in O&M Manual of that equipment required during an AMC period of 3 years and other spares as required, forwarding, proper packing, shipment and delivery at site, preparation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)	8414 40 30	Lot	1	-				-	-	NA	-	
2.0	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for Services part comprising of unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site and carrying out Performance guarantee / Functional / Demonstration tests at site (As applicable), training of customer/client O&M staff (if applicable) and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	998732	Lot	1	NA							-	
3.0	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for O&M Spares comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break up of O&M Spares is to be furnished as per Annexure- II)	8414 90 90	Lot	1	-				-	-	NA	-	
4.0	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for AMC (Annual Maintenance Contract) for Three (3) years after successful handover of Compressed Air System to end customer for Air Compressor and Air Dryer as per tender technical specification above, amendment & agreements till placement of order. (Price break up of AMC as per Annexure-III)	998732	Lot	1	NA							-	
TOTAL					-	-			-	-	-	-	

Note:

- Prices shall be firm unless otherwise specifically indicated in NIT.
- CGST/SGST/UGST/IGST shall be paid at actuals against documentary evidence subjected to the maximum of GST corresponding to above HSN/SAC code.
- Evaluation shall be done one the basis of total lump sum prices for complete supply and services but excluding GST.
- Vendor to quote prices in words also.
- Nature of GST on Services at project site shall not be allowed to change after bidding.
- Freight percentage (%) with respect to total Ex-Works (Main Supply + O&M Spares) will be considered @ 1.002%, If bidder will not quote freight in % or mentioned included / FOC / NIL. In case of included / FOC / NIL freight component @1.002% will be derived from quoted Total Ex-works price.
- Breakup of prices in annexure-I, II & III are for information only. Evaluation shall be done on quoted price in annexure-A only. If mismatch (calculation mistake) in breakup will be found then breakup will be adjusted with respect to quoted price in annexure-A.

Particulars of bidder / authorised representative				
Name	Designation	Signature	Date	Company Seal

PRICE FORMAT (REV-01) FOR FOREIGN BIDDERS (Annexure-A)															Doc No:		
															Rev No:		
															Date of issue		
NAME OF PROJECT:		2x490 MW NTPC NCTPP Dadri Stage-II															
NAME OF PACKAGE:		COMPRESSED AIR SYSTEM															
TECHNICAL SPECIFICATION:		PE-TS-436-555-A001															
ENQUIRY NO.		Enq. No.: PE/PG/NTP/IE-5913/2018 Dt. 18.04.2018															
						SUPPLY						E&C					
S. No.	Description	HSN / SAC CODE	UNIT	QTY	Imported content				Indigenous content				Total price in words	Total E&C & AMC Price (INR)	Type of GST (IGST/CGS T + SGST/UTG ST)	Total price in words	
					Total C & F - PRICE (Currency)	Custom Duty after availing input tax credit (INR)	Inland Freight (INR)	Total Ex-works duly packed (INR)	Type of GST (IGST/CGST + SGST/UTGS T)	Freight in % only	Freight in INR	Total for Indigenous content (INR)					
Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part, Services part including AMC (Annual Maintenance Contract) for Three (3) years after successful handover of Compressed Air System to end customer and O&M Spares comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, O&M Spares along with spares for erection, start up and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site, AMC for three years after handover of CAS to end customer along with maintenance kits as per OEM recommendation and as specified in O&M Manual of that equipment and other spares as required, preparation of layout drawings and carrying out Performance guarantee tests at site, training of customer/client and O&M staff and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.																	
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part comprising of design (i.e.preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables alongwith spares for erection as required, startup and commissioning spares and maintenance kits as per OEM recommendation and as specified in O&M Manual of that equipment required during an AMC period of 3 years and other spares as required, forwarding, proper packing, shipment and delivery at site, preperation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)	8414 40 30	Lot	1											NA		
2.0	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for Services part comprising of unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site and carrying out Performance guarantee / Functional / Demonstration tests at site (As applicable), training of customer/client O&M staff (if applicable) and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	998732	Lot	1	NA												
3.0	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for O&M Spares comprising of manufacture, fabrication, assembly, inspection/ testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break up of O&M Spares is to be furnished as per Annexure- II)	8414 90 90	Lot	1											NA		
4.0	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for AMC (Annual Maintenance Contract) for Three (3) years after successful handover of Compressed Air System to end customer for Air Compressor and Air Dryer as per tender technical specification above, amendment & agreements till placement of order. (Price break up of AMC as per Annexure- III)	998732	Lot	1	NA												
TOTAL																	

Note:

1. Prices shall be firm unless otherwise specifically indicated in NIT.
2. CGST/SGST/UGST/IGST shall be paid at actuals against documentary evidence subjected to the maximum of GST corresponding to above HSN/SAC code.
3. Evaluation shall be done one the basis of total lump sum prices for complete supply and services but excluding GST.
4. Vendor to quote prices in words also.
5. Freight percentage (%) with respect to total Ex-Works (Main Supply + O&M Spares) will be considered @ 1.002%, If bidder will not quote freight in % or mentioned included / FOC / NIL. In case of included / FOC / NIL freight component @1.002% will be derived from quoted Total Ex-works price.
6. Breakup of prices in annexure- I, II & III are for information only. Evaluation shall be done on quoted price in annexure-A only. If mismatch (calculation mistake) in breakup will be found then breakup will be adjusted with respect to quoted price in annexure-A.

Particulars of bidder / authorised representative				
Name	Designation	Signature	Date	Company Seal

ANNEXURE-I				Doc No: PE-PF-436-555-A001					
				Rev No: 0					
				Date of issue 28.03.2018					
NAME OF PROJECT:		2x490 MW NTPC NCTPP Dadri Stage-II							
NAME OF PACKAGE:		COMPRESSED AIR SYSTEM							
TECHNICAL SPECIFICATION:		PE-TS-436-555-A001							
ENQUIRY NO.		Enq. No.: PE/PG/NTP/E-5913/2018 Dt. 18.04.2018							
S. No.	DESCRIPTION	UNIT	QTY	INDIAN BIDDERS		FOREIGN BIDDERS			
				Unit Ex-works duly packed (INR)	Total Ex- works duly packed (INR)	Imported content		Indigenous content	
				Unit C & F - PRICE (Currency)	Total C & F - PRICE (Currency)	Unit Ex-works duly packed (INR)	Total Ex- works duly packed (INR)		
1	Air Compressors (Oil Free Screw type) each of minimum 15 NM3/Min capacity @ 8.5 kg/cm2 (min.) discharge pressure with suction filter with silencer, inter cooler and after cooler with moisture separators, automatic drain traps, instruments, control system, cable lugs, glands and other accessories including electric motor drive.	Nos.	2						
2	Air Drying Plants Heat of compression (HOC) Rotary type/ Twin Tower Type of min. 15 NM3/min. capacity for Instrument Air Compressor with all instruments, control panels and other accessories as specified.	Nos.	2						
3	Air Receivers required for Compressed Air System of minimum 02 Cu.M capacity each with instruments, relief valve, isolation valve, drain connection with automatic trap stations (zero purge air loss type) and other accessories as specified.	Nos.	2						
4	Inter connecting cooling water, drain piping and compressed air piping as specified including fittings and valves etc. for complete Compressed air system.	Lot	1						
5	Field instruments, junction box etc. for complete Compressed air system.	Lot	1						
6	Total lump sum firm price for Tools & Tackles manufacture and Commissioning spares as specified in technical specification.	Lot	1						
7	Total lump sum firm price for maintenance kits and spares for Air Compressor & Air Dryer required for AMC period of 3 years, based on OEM recommendation under O&M Manual.	Lot	1						
TOTAL									
Notes	Quantity variation during execution, if any will be derived from unit rate.								
Particulars of bidder / authorised representative									
Name	Designation	Signature	Date	Company Seal					

ANNEXURE-II LIST OF O&M Spares				Doc No: PE-PF-436-555-A001					
				Rev No: 0					
				Date of issue 28.03.18					
NAME OF PROJECT:				2x490 MW NTPC NCTPP Dadri Stage-II					
NAME OF PACKAGE:				COMPRESSED AIR SYSTEM					
TECHNICAL SPECIFICATION:				PE-TS-436-555-A001					
ENQUIRY NO.:				Enq. No.: PE/PG/NTP/E-5913/2018 Dt. 18.04.2018					
				INDIAN BIDDERS		FOREIGN BIDDERS			
						Imported content		Indigenous content	
S. No.	DESCRIPTION	UNIT	QTY	Unit Ex-works duly packed (INR)	Total Ex-works duly packed (INR)	Unit C & F - PRICE (Currency)	Total C & F - PRICE (Currency)	Unit Ex-works duly packed (INR)	Total Ex-works duly packed (INR)
1.0	Oil free Screw Air Compressor								
a	Complete HP Stage with HP element and bearing	1	No.						
b	Complete LP stage with LP element and bearing	1	No.						
c	Motor Bearings	2	Sets						
d	LP stage Pinion	1	No.						
e	HP stage Pinion	1	No.						
f	Air / Oil Filter Kit	4	Nos.						
g	After cooler Safety Valve	1	No.						
h	Inter Cooler Safety Valve	1	No.						
i	Oil Pump kit	2	Nos.						
j	After cooler drain valve kit	1	No.						
k	Inter cooler drain valve kit	1	No.						
l	Drain/moisture trap	1	No.						
m	O' Rings	8	Nos.						
n	Moisture separators for Aftercooler	2	Nos.						
o	Moisture separators for Intercooler	2	Nos.						
2.0 (A)	AIR DRYING PLANT FOR IA SYSTEM (Twin tower Type) (As applicable)								
a	Pre filter element(Ceramic candle or as applicable)	2	sets						
b	After filter element(Ceramic candle or as applicable)	2	sets						
c	Heater element(if applicable)	1	sets						
d	Blower bearing(if applicable)	1	sets						
e	Blower motor bearing(if applicable)	2	sets						
f	Valves & Valve Actuators (pneumatic/hydraulic)	2	sets						
g	Heater coil for temperature stabilization (for HOC type)(as applicable)	2	sets						
2.0 (B)	AIR DRYING PLANT FOR IA SYSTEM (Rotating Drum Type) (As applicable)								
a	Air dryer rotor	2	Nos.						
b	Air dryer complete gear box assembly	1	No.						
3.0	Valves and Valves with actuator	2	Nos. of each type / rating / size						
4.0	Air receiver drain/moisture trap	1	No.						
5.0	MEASURING INSTRUMENTS								
a	Instruments within compressor house including the instruments within skid.	10% or 1 No.	10% or 1 No. of each type and model, whichever is more						
6.0	Compressor Microprocessor / PLC Panel	1	no.						
7.0	Compressor motor	1	no.						
TOTAL									
Notes:									
a.	"One (1) Set" and "One (1) set of each type & rating" is defined as total numbers as required for one complete replacement for one equipment of similar size & capacity								
b.	All spares shall be supplied as per the requirement of the specifications. In case any spare indicated in the specification is not applicable for particular equipment then suitable applicable alternate spare have been offered / shall be supplied without any financial implication."								
c.	For quantities indicated in percentage, fractions are to be rounded-off to next higher integer.								
d.	Bidder to write Quoted / Not Applicable against all items. Any item which is quoted as "not applicable" by the bidder in the above list and is found to be "applicable" at a later date shall be supplied by the bidder without any commercial and delivery implication.								
e.	Any cell left blank in the unpriced schedule shall be treated as Quoted.								
f.	Quantity variation during execution, if any will be derived from unit rate.								
Particulars of bidder / authorised representative									
Name	Designation	Signature & company seal							Date

ANNEXURE-III ANNUAL MAINTENANCE CONTRACT		Doc No:	PE-PF-436-555-A001		
		Rev No:	0		
		Date of issue	28.03.18		
NAME OF PROJECT:		2x490 MW NTPC NCTPP Dadri Stage-II			
NAME OF PACKAGE:		COMPRESSED AIR SYSTEM			
TECHNICAL SPECIFICATION:		PE-TS-436-555-A001			
ENQUIRY NO.:		Enq. No.: PE/PG/NTP/E-5913/2018 Dt. 18.04.2018			
S. No.	DESCRIPTION	UNIT	QTY	Unit AMC (INR)	Total AMC (INR)
1.0	Total Lumpsum price for AMC for 1st year	1	Lot		
2.0	Total Lumpsum price for AMC for 2nd year	1	Lot		
3.0	Total Lumpsum price for AMC for 3rd year	1	Lot		
TOTAL					
Particulars of bidder / authorised representative					
Name	Designation	Signature & company seal			

ANNEXURE-IV CIF CONTENT		Doc No:	PE-PF-436-555-A001			
		Rev No:	0			
		Date of issue	28.03.18			
NAME OF PROJECT:		2x490 MW NTPC NCTPP Dadri Stage-II				
NAME OF PACKAGE:		COMPRESSED AIR SYSTEM				
TECHNICAL SPECIFICATION:		PE-TS-436-555-A001				
ENQUIRY NO.:		Enq. No.: PE/PG/NTP/E-5913/2018 Dt. 18.04.2018				
S. No.	DESCRIPTION	UNIT	QTY	Currency	Unit Rate in Foreign Currency	Total CIF Contents
1						
2						
3						
4						
5						
6						
7						
8						
Particulars of bidder / authorised representative						
Name	Designation	Signature & company seal				