



CORRIGENDA / ADDENDUM-04

SUBJECT: 1 X 800 MW Krishnapattanam TPS & 1 X 800 MW Vijayawada TPS

Tender Enquiry For Chemical Dosing System

OUR REF: TENDER ENQUIRY NO: PE/PG/APP/E-5427/2016, DATED- 11.01.2017

DUE DATE
28.02.2017
BY 10:00AM

Please note that Mandatory spares list of Technical specifications has been revised.

Vendors who have submitted their bids as on date are requested to submit the revised & fresh bid (R1) by incorporating the changes inline with Mandatory spares.

All bidders are requested to visit the website **www.bhel.com** (Tender Notifications Section), **www.bhelpem.com**. All future corrigenda/ amendment and due date extension, if any, for this tender shall be hosted only on above websites.

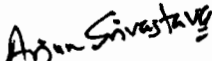
Encl:-

- Revised mandatory spares list of technical specification PE-TS-419-154-A001, Rev. No. 01 and PE-TS-420-154-A001, Rev No. 01.
- Suggestive price format for revised submission of bid(R1).

Thanking You,

With Regards,

For & on behalf of BHEL


(Arjun Srivastava)

SR ENGINEER/PG1-1

अर्जुन श्रीवास्तव / ARJUN SRIVASTAVA
वरिष्ठ अभियंता (पी.जी.-1) / Sr. Engineer (PG-1)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 301
Plot No. 25, Sector-16A, Noida-201 301

1Please reply to:

**Sh Arjun Srivastava, Sr. Engineer
PG1-1**

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No.0120-4368839/ 9971599688

PRICE FORMAT REVISION_01

NAME OF PROJECT: 1X800 MW APPDCL KRISHNAPATNAM STAGE-II

NAME OF PACKAGE: CHEMICAL DOSING SYSTEM

ENQUIRY REF. No: PE/PG/APP/E-5427/2016 Dtd:11.01.2017

TECHNICAL SPECIFICATION: PE-TS-420-154-A001 Rev-01

S. No.	Description	UNIT OF MEASUREMENT (UOM)	QTY	Unit Ex-Works Price (duly packed) INR	Total Ex-Works Prices (duly packed) INR	Excise duty @.....% of total Ex-Works	CST @.....% against C-form &EI/EII form OR VAT @....% (INR)	Freight Charges including service tax @.....% of Total Ex-works	Total FOR Site prices (INR)
1.0	Total lump sum firm price for design, engineering, manufacture, fabrication, assembly, supply, inspection / testing at vendor's & sub-vendor's works, painting, mandatory spares, startup and commissioning spares, special tools and tackles (as applicable), forwarding, proper packing, shipment and delivery at site, preparation and submission of drawing /documents & equipment / system guarantee etc. inclusive of all prevailing taxes, duties and other levies for the package specified above for above mentioned project to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification no. as specified above, amendment & agreements till placement of order.	Set	1						
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.								
2.1	Total lump sum firm price for design, engineering, manufacture, fabrication, assembly, supply, inspection / testing at vendor's & sub-vendor's works, painting, startup and commissioning spares, special tools and tackles (as applicable), forwarding, proper packing, shipment and delivery at site, preparation and submission of drawing /documents & equipment / system guarantee etc. inclusive of all prevailing taxes, duties and other levies for the package specified above for above mentioned project to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification no. as specified above, amendment & agreements till placement of order.	Set	1						
2.2	Total lumpsum on FOR basis inclusive of all prevailing taxes, duties and other levies for SUPPLY OF MANDATORY SPARES (as per ANNEXURE- I) and as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	Lot	1						

Particulars of bidder / authorised representative

Name	Designation	Signature	Date	Company Seal

Ajith Srinivasan

ANNEXURE-I

NAME OF PROJECT: 1X800 MW APPDCL KRISHNAPATTNAM STAGE-II

ENQUIRY REF. No-PE/PG/APP/E-5427/2016 Dtd:11.01.2017

NAME OF PACKAGE: CHEMICAL DOSING SYSTEM - MANDATORY SPARES

TECHNICAL SPECIFICATION: PE-TS-420-154-A001 Rev-01

S. N.	Description	QTY/UOM	Unit Ex-Works Price (duly packed) INR	Total EX-Works Prices (duly packed) INR	Excise duty @.....% of total EX-Works	CST @.....% against C-form &EI/EII forms OR VAT @....% (INR)	Freight Charges including service tax @.....% of Total Ex-works	Total FOR Site prices (INR)
1	Chemical Dosing Pumps (Each Type & Duty)							
1.1	Piston Ring (Guide Ring)	2 Sets for each type and Duty of Pump						
1.2	Piston (Plunger)	2 Sets for each type and Duty of Pump						
1.3	Seals and other Wear out Part	2 Set for each type and Duty of Pump						
1.4	Complete Set of Bearings	1 Set for each type and Duty of Pump						
1.5	Crank Shaft	2 Set for each type and Duty of Pump						
1.6	Cross Head Assembly	2 Set for each type and Duty of Pump						
1.7	Conneting Rod Plate	2 Set for each type and Duty of Pump						
1.8	Complete Set of Valves	10% of the total quantity used for each unit for each type and Size or Minimum 2 No. whichever is higher						
1.9	Strainer	1 No. for each type, size and duty.						
2	Electrical Items							
2.1	Complete Set of Motor	1 No. for each application						
3	C&I Items							
3.1	Transmitters/ Gauges/Switches etc. along with relevant accessories	5 % of total or at least two (whichever is higher) for each type along with accessories.						
	TOTAL							

Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender technical specification, same shall be deemed to have been covered in bidders scope of supply.

Particulars of bidder / authorised representative

Name	Designation	Signature & Company Seal	Date

Arjun Sivastang

PRICE FORMAT REVISION_01

NAME OF PROJECT: 1X800 MW Dr. NTPS VIJAYWADA STAGE-V

ENQUIRY REF. No.- PE/PG/APP/E-5427/2016 Dtd:11.01.2017

NAME OF PACKAGE: CHEMICAL DOSING SYSTEM

TECHNICAL SPECIFICATION: PE-TS-419-154-A001 Rev-01

S. No.	Description	UNIT OF MEASUREMENT (UOM)	QTY	Unit Ex-Works Price (duly packed) INR	Total EX-Works Prices (duly packed) INR	Excise duty @.....% of total EX-Works	CST @.....% against C-form &EI/EII forms OR VAT @....% (INR)	Freight Charges including service tax @.....% of Total Ex-works	Total FOR Site prices (INR)
1.0	Total lump sum firm price for design, engineering, manufacture, fabrication, assembly, supply, inspection / testing at vendor's & sub-vendor's works, painting, mandatory spares, startup and commissioning spares, special tools and tackles (as applicable), forwarding, proper packing, shipment and delivery at site, preparation and submission of drawing /documents & equipment / system guarantee etc. inclusive of all prevailing taxes, duties and other levies for the package specified above for above mentioned project to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification no. as specified above, amendment & agreements till placement of order.	Set	1						
2.0 MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.									
2.1	Total lump sum firm price for design, engineering, manufacture, fabrication, assembly, supply, inspection / testing at vendor's & sub-vendor's works, painting, startup and commissioning spares, special tools and tackles (as applicable), forwarding, proper packing, shipment and delivery at site, preparation and submission of drawing /documents & equipment / system guarantee etc. inclusive of all prevailing taxes, duties and other levies for the package specified above for above mentioned project to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification no. as specified above, amendment & agreements till placement of order.	Set	1						
2.2	Total lumpsum on FOR basis inclusive of all prevailing taxes, duties and other levies for SUPPLY OF MANDATORY SPARES (as per ANNEXURE- I) and as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	Lot	1						

Particulars of bidder / authorised representative

Name	Designation	Signature	Date	Company Seal


Arun Srivastava

ANNEXURE-I								
NAME OF PROJECT: 1X800 MW Dr. NTTPS VIJAYWADA STAGE-V								
NAME OF PACKAGE: CHEMICAL DOSING SYSTEM- LIST OF MANDATORY SPARES								
ENQUIRY REF. No-PE/PG/APP/E-5427/2016 Dtd:11.01.2017								
TECHNICAL SPECIFICATION: PE-TS-419-154-A001 Rev-01								
S. N.	Description	QTY/UOM	Unit Ex-Works Price (duly packed) INR	Total EX-Works Prices (duly packed) INR	Excise duty @.....% of total Ex-Works	CST @.....% against C-form &EI/EII forms OR VAT @....% (INR)	Freight Charges including service tax @.....% of Total Ex-works	Total FOR Site prices (INR)
1	Chemical Dosing Pumps (Each Type & Duty)							
1.1	Piston Ring (Guide Ring)	2 Sets for each type and Duty of Pump						
1.2	Piston (Plunger)	2 Sets for each type and Duty of Pump						
1.3	Seals and other Wear out Part	2 Set for each type and Duty of Pump						
1.4	Complete Set of Bearings	1 Set for each type and Duty of Pump						
1.5	Crank Shaft	2 Set for each type and Duty of Pump						
1.6	Cross Head Assembly	2 Set for each type and Duty of Pump						
1.7	Conneting Rod Plate	2 Set for each type and Duty of Pump						
1.8	Complete Set of Valves	10% of the total quantity used for each unit for each type and Size or Minimum 2 No. whichever is higher						
1.9	Strainer	1 No. for each type, size and duty.						
2	Electrical Items							
2.1.	Complete Set of Motor	1 No. for each application						
3	C&I Items							
3.1	Transmitters/ Gauges/Switches etc. along with relevant accessories	5 % of total or at least two (whichever is higher) for each type along with accessories.						
	TOTAL							

Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender technical specification, same shall be deemed to have been covered in bidders scope of supply.

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

Ajay Sivastava

	TITLE: 1X800 MW Dr. NTPS VIJAYWADA STAGE-V	SPECIFICATION NO. PE-TS-419-154-A001
	TECHNICAL SPECIFICATION FOR CHEMICAL DOSING SYSTEM	SECTION I SECTION - I A REV.NO. 1 DATE : 10/02/2017

**ANNEXURE V:
MANDATORY SPARES LIST**



TITLE:
**1X800 MW Dr. NTPS VIJAYWADA
STAGE-V**

**TECHNICAL SPECIFICATION FOR
CHEMICAL DOSING SYSTEM**

SPECIFICATION NO. PE-TS-419-154-A001

SECTION I

SECTION - I A

REV.NO. 1 DATE : 10/02/2017

S. No.	Equipment/Package Name	Quantity
1.0	Chemical Dosing Pumps (Each Type & Duty)	
1.1	Piston Ring (Guide Ring)	2 Sets for each type and Duty of Pump
1.2	Piston (Plunger)	2 Sets for each type and Duty of Pump
1.3	Seals and other Wear out Part	2 Set for each type and Duty of Pump
1.4	Complete Set of Bearings	1 Set for each type and Duty of Pump
1.5	Crank Shaft	2 Set for each type and Duty of Pump
1.6	Cross Head Assembly	2 Set for each type and Duty of Pump
1.7	Conneting Rod Plate	2 Set for each type and Duty of Pump
1.8	Complete Set of Valves	10% of the total quantity used for each unit for each type and Size or Minimum 2 No. whichever is higher
1.9	Strainer	1 No. for each type, size and duty.
2.0	Electrical Items	
2.1	Complete Set of Motor	1 No. for each application
3.0	C&I Items	
3.1	Transmitters/ Gauges/Switches etc. along with relevant accessories	5 % of total or at least two (whichever is higher) for each type along with accessories.

R1



TITLE:
**1X800 MW APPDCL KRISHNAPATNAM
STAGE-II**

**TECHNICAL SPECIFICATION FOR
CHEMICAL DOSING SYSTEM**


SPECIFICATION NO. PE-TS-420-154-A001

SECTION I

SECTION - I A

REV.NO. 1 DATE : 10/02/2017

**ANNEXURE V:
MANDATORY SPARES LIST**

	TITLE: 1X800 MW APPDCL KRISHNAPATNAM STAGE-II	SPECIFICATION NO. PE-TS-420-154-A001
	TECHNICAL SPECIFICATION FOR CHEMICAL DOSING SYSTEM	SECTION I SECTION - I A REV.NO. 1 DATE : 10/02/2017

S.No.	Equipment/Package Name	Quantity
1.0	Chemical Dosing Pumps (Each Type & Duty)	
1.1	Piston Ring (Guide Ring)	2 Sets for each type and Duty of Pump
1.2	Piston (Plunger)	2 Sets for each type and Duty of Pump
1.3	Seals and other Wear out Part	2 Set for each type and Duty of Pump
1.4	Complete Set of Bearings	1 Set for each type and Duty of Pump
1.5	Crank Shaft	2 Set for each type and Duty of Pump
1.6	Cross Head Assembly	2 Set for each type and Duty of Pump
1.7	Connecting Rod Plate	2 Set for each type and Duty of Pump
1.8	Complete Set of Valves	10% of the total quantity used for each unit for each type and Size or Minimum 2 No. whichever is higher
1.9	Strainer	1 No. for each type, size and duty.
2.0	Electrical Items	
2.1	Complete Set of Motor	1 No. for each application
3.0	C&I Spares	
3.1	Transmitters/ Gauges/Switches etc. along with relevant accessories	5 % of total or at least two (whichever is higher) for each type along with accessories.

R1