



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)

**Project Engineering
Management**

**TENDER ENQUIRY FOR MISC. PUMPS(HORZ.) TYPE-II (FLOW > 300 CMH)
FOR 1 x 660 MW UPRVUNL PANKI TPS.**

Ref No. : PE/PG/PKI/E-6191/2019

Date: 07.08.2019

CORRIGENDUM/ ADDENDUM- 10

Tender Enquiry no.: PE/PG/PKI/E-6191/2019
Date: 06.05.2019,

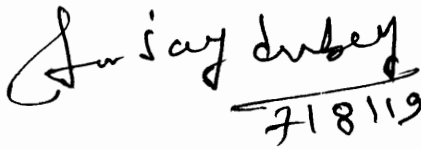
Extended DUE DATE
16 -August- 2019
02:00 PM

1. The Due date for offer submission & Part-I opening for **MISC. PUMPS(HORZ.) TYPE-II (FLOW > 300 CMH)** for above mentioned project is **16.08.2019, 02:00 P.M.** Techno-commercial offer (Part-I) shall be opened on **16.08.2019 at 03:00 P.M.** Kindly Ensure submission/uploading of offer on or before Extended due date & time i.e. by **16.08.2019, 02:00 P.M** on <https://bhel.abcpocure.com>.
2. Along with this Corrigendum no. 10 also find attached AMENDMENT 1 of Technical Specification of Panki – **MISC. PUMPS(HORZ.) TYPE-II (FLOW > 300 CMH)**.
3. Bidding form is benig also chaged due to finalization of pumps sizing therefore vendors are requested to re-visit the websites <https://bhel.abcpocure.com> and submit revised offer.
4. All other terms & conditions of NIT remains same.

All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only <https://bhel.abcpocure.com> under subject tender reference. Bidders are requested to visit our website from time to time to keep themselves updated.

Thanking you,

Yours faithfully,
For and on behalf of BHEL


718119

S K DUBEY
(DGM /Project Group-3)

संजय कुमार दूबे / Sanjay Kumar Dubey
उप महाप्रबंधक (पी जी -III) / Dy. General Manager (PG-III)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई भवन, एचआरडी एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, HRD & ESI Complex,
प्लॉट नं 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

Please reply to:

S K DUBEY – DGM /PG-3

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM, Noida-201301 (U.P.)
Tel No. 0120-4213621/4368838.

UPRVUNL

1X660 MW PANKI TPS EXTENSION

AMENDMENT NO. 1

**TO TECHNICAL SPECIFICATION
FOR
Misc Pumps**

Specification No. : PE-TS-426-100-N001 (REV. 0)



**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
PPEI BUILDING, SECTOR 16 A
NOIDA - 201301**

	TECHNICAL SPECIFICATIONS		SPECN. NO.:		PE-TS-426-100-N001	
	Misc Pumps		REV. NO.		00	DATE: 05.08.19
	AMENDMENT NO. 1					

- 1.0 With reference to S.No. 2.1 & 2.2 of Datasheet-A for Horizontal Pumps (Type-II), Section 1D, of Technical Specification, please consider the Specification amended as below:

Clause as mentioned in Technical Specification				Ammended Clause			
SI no.	Description	DMCW TG Aux's Pump	DMCW SG Aux's Pump	SI no.	Description	DMCW TG Aux's Pump	DMCW SG Aux's Pump
2.1	Design capacity each, M3/hr	Alternate-1:- 1575 Alternate-2:- 2850	Alternate-1:- 525 Alternate-2:- 720	2.1	Design capacity each, M3/hr	2225	665
2.2	Total dynamic head (MWC)	40	57	2.2	Total dynamic head (MWC)	38	60

PROJECT:-	1 x 660 MW PANKI TPS EXTENSION
PACKAGE:-	MISC. PUMPS(HORZ.) TYPE-I (FLOW>300 C ^m ³)
ENQUIRY NO.:-	PE/PG/PKJE-6191/2019 Dtd. 06.05.2019
VENDOR :-	

SL. No.	DESCRIPTIONS OF WORKS OR EQUIPMENT	Unit	Qty	HSN/SAC CODE	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ PRICE (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
	Total price for design, manufacture, assembly, inspection, testing, properly packed for transportation and delivery of Misc. pumps including motors (as applicable), special tools/tackles, commissioning spares, installation checks and replacement of gland packing with mechanical seal arrangement (if applicable) and PG Test at site, all accessories, auxiliaries etc and mandatory spares as specified in Technical specification (No: PE-TS-426-100-N001 Rev 00) for MISC PUMPS.	1	2	3	4	5	6	7	8	9	10	11
1.0	Pumps and Motor (Horizontal Pumps Type II):											
	(i) DMCW-TG AUX'S PUMPS			8413								
1	DMCW-TG AUX'S PUMPS Pump price:	No's	3	8413								
2	DMCW-TG AUX'S PUMPS Motor price:											
3	DMCW-TG AUX'S PUMPS Pump/ Motor accessories (As applicable)	No's	3	8413								
4	DMCW-TG AUX'S PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
	(ii) DMCW-SG AUX'S PUMPS			8413								
5	DMCW-SG AUX'S PUMPS Pump price:	No's	2	8413								
6	DMCW-SG AUX'S PUMPS Motor price:											
7	DMCW-SG AUX'S PUMPS Pump/ Motor accessories (As applicable)	No's	2	8413								
8	DMCW-SG AUX'S PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT/ 2 nos. site visits for 3 days each.			99833								
2.0												
9	a) Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT/ 2 nos. site visits for 3 days each. -Charges per visit	Visit	2	99833								
10	b) Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT/ 2 nos. site visits for 3 days each. - Manday Charges	Days	6	99833								
11	PG Test at site	Lot	1	99833								
TOTAL WITH (1 to 8 + 9+10+11)												

NOTES:

- a) Bidder to indicate cost of site visits for installation check & replacement of gland packing with Mechanical seal (as applicable), in their price in 2.0 above. Further additional site visit per day charges shall be as obtained prorata as 2.0 above.
- b) Unit price quoted by bidder, as above, shall be binding for any quantity variation, which is at the discretion of purchaser.
- c) Price of commissioning & erection spares, special Tools & tackle and other accessories not listed above shall be included in the price of pump & shall be supplied with the pump.
- d) Indicate all taxes, duties etc. stating whether included/ excluded in above prices.
- e) Please refer technical specification for detail.
- f) Mandatory Spare Note:
 1. 1 Set is equivalent to spare required for assembling one pump unless otherwise specified.
 2. 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 offered design with quantities generally in line with the approach followed as above.

Bidder shall furnish this price Schedule indicating "Quoted/Not-Quoted" along with technical offer and actual prices in his price offer.												
NAME												DESIGNATION

For J. J. J. J. J.

	ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN CODE	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ OF EX WORKS PRICE	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT)(Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
Sl. No.				1	2	3	4	5	6	7	8	9
1.0	MANDATORY SPARES PRICES-PUMPS (HORIZONTAL PUMPS -TYPE II)											
1.1	DMCW-TG AUX'S PUMPS	1.1.1	IMPELLER	1 no. of each type & size								
		1.1.2	SHAFT	1 no. of each type & size								
		1.1.3	SHAFT SLEEVES	1 Set of each type & size								
		1.1.4	CASING AND IMPELLER WEARING RINGS	2 Sets of each type & size								
		1.1.5	BEARINGS FOR PUMPS	2 Sets of each type & size								
		1.1.6	THRUST BEARINGS	2 Sets of each type & size								
		1.1.7	SLEEVE NUTS AND BEARINGS	1 Set of each type & size								
		1.1.8	GLAND PACKING	2 Sets of each type & size								
		1.1.9	FASTENERS	1 Set of each type & size								
		1.1.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size								
		1.1.11	MECHANICAL SEAL	1 Set of each type & size								
1.2	DMCW-SG AUX'S PUMPS	1.2.1	IMPELLER	1 no. of each type & size								
		1.2.2	SHAFT	1 no. of each type & size								
		1.2.3	SHAFT SLEEVES	1 Set of each type & size								
		1.2.4	CASING AND IMPELLER WEARING RINGS	2 Sets of each type & size								
		1.2.5	BEARINGS FOR PUMPS	2 Sets of each type & size								
		1.2.6	THRUST BEARINGS	2 Sets of each type & size								
		1.2.7	SLEEVE NUTS AND BEARINGS	1 Set of each type & size								
		1.2.8	GLAND PACKING	2 Sets of each type & size								
		1.2.9	FASTENERS	1 Set of each type & size								
		1.2.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size								
		1.2.11	MECHANICAL SEAL	1 Set of each type & size								
			TOTAL									

Robert R. Lind