



Ref: E-4943/2015/CORRIGENDUM/04

Date: 26/08/2015

DUE DATE
02/09/2015
10:00AM(IST)

Our Ref:

- (i) Enq No.:-E-4943/2015 dated 16.07.2015
- (ii) E-4943/2015/CORRIGENDUM/01 Dated 21.07.2015
- (iii) E-4943/2015/CORRIGENDUM/02 Dated 10.08.2015
- (iv) E-4943/2015/CORRIGENDUM/03 Dated 17.08.2015

Subject: Techno-Commercial clarifications for above referred tender of MISC PUMP (HORIZONTAL) of 2X660 MW ENNORE SEZ

Bidders are requested to note following:-

- 1.) Amendment No. 2 to Vol IIB of Technical Specification for Misc. Pumps Package is being issued and is enclosed along with this corrigendum.

Bidders are requested to go through all corrigendum referred above and submit their best offer before due date and time.

Thanking You

With regards
For & on behalf of BHEL

Rajeev Kumar Sharma
Sr. Engineer | PG II-2, BHEL PEM | Noida
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कृपया प्रेषित करे : Please reply to : फ़ोन Phone No:
बीएचइएल, पीएस-पीइएम BHEL, PS-PEM, 91-120 - 436 8864
पीपीइआई भवन PPEI Building,
प्लॉट नं २५, सेक्टर १६ ए Plot No.25, Sector 16A,
नोएडा - २०१ ३०१ उ प्र Noida-201301 (U.P.)
भारत INDIA

पंजीकृत कार्यालय Registered Office :
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भारत INDIA

TANGEDCO

**2X660 MW ENNORE SEZ STPP
AT ASH DYKE OF NCTPS, CHENNAI**


AMENDMENT NO. 2

**TO TECHNICAL SPECIFICATION
FOR
MISCELLANEOUS PUMPS**

**Specification No. : PE-TS-412-100-N001 (REV. 0)
Vol II B**



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

	TECHNICAL SPECIFICATIONS MISCELLANEOUS PUMPS	SPECN. NO.:	PE-TS-412-100-N001						
	AMENDMENT NO. 2	REV. NO.	0	DATE:	26.08.15				
<p>1.0 With reference to S.No. 18 of Motor Datasheet A, Section C2, Vol IIB of Technical Specification, please consider the Specification amended as below:</p> <table border="1"> <thead> <tr> <th>Clause as mentioned in Technical Specification</th> <th>Ammended Clause</th> </tr> </thead> <tbody> <tr> <td>ENERGY EFFICIENT: All LV MOTORS ABOVE 10 KW WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL IE2 AS PER IS 12615:2011.</td> <td>ENERGY EFFICIENT: All LV MOTORS WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL <u>IE3</u> AS PER IS 12615:2011.</td> </tr> </tbody> </table> <p>2.0 Revised GUARANTEE SCHEDULE FOR MISC. PUMPS HORIZONTAL (GROUP-I) against Vol III of Technical Specification is attached with this amendment No. 2. All Bidders to submit the Guarantees as per the revised Schedule.</p>						Clause as mentioned in Technical Specification	Ammended Clause	ENERGY EFFICIENT: All LV MOTORS ABOVE 10 KW WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL IE2 AS PER IS 12615:2011.	ENERGY EFFICIENT: All LV MOTORS WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL <u>IE3</u> AS PER IS 12615:2011.
Clause as mentioned in Technical Specification	Ammended Clause								
ENERGY EFFICIENT: All LV MOTORS ABOVE 10 KW WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL IE2 AS PER IS 12615:2011.	ENERGY EFFICIENT: All LV MOTORS WITH S1 DUTY SHALL BE COMPULSORILY OF ENERGY EFFICIENT LEVEL <u>IE3</u> AS PER IS 12615:2011.								

	SCHEDULE OF PERFORMANCE GUARANTEES				SPECN. NO.: PE-TS-412-100-N001	
	2x660 MW ENNORE SEZ STPP		VOLUME: III	SECTION: A3	Sheet 1 of 2	
			REV. NO. 1	DATE: 26.08.15		

Following parameters are guaranteed for following pumps

Sl. No.	Pump Description	Guaranteed Capacity	Guaranteed TDH	Guaranteed Pump Eff.	Guaranteed Motor Eff.	Guaranteed Power consumption at inlet to motor	Pump model	Motor Rating	Pump GD ² Value for HT motor only	Pump RPM	T/S Curve attached for HT motor
		(M3/Hr)	(MWC)	%	%	(KW)		(KW)			
Horizontal pumps (Group I)											
1	# DMCW TG AUX. PUMPS	1650	42	94							YES
2	# DMCW SG AUX. PUMPS	500	55	94							YES
3	# FILTER FEED PUMPS	1100	48	94							YES
4	# AHP SEAL WATER PUMPS	125	32								
5	POTABLE WATER PUMPS	50	58								
6	SERVICE WATER PUMPS	100	52								
7	# HVAC MUP PUMPS	100	65								
8	APH/ESP WASH PUMPS	710	80	94							YES
9	# CHP DFDS MUP PUMPS	18	60								
10	AHP CONDITIONER MUP PUMPS	75	70								
11	SERVICE WATER BOOSTER PUMPS	65	36								
12	POTABLE WATER BOOSTER PUMPS	5	30								
13	# DM MAKE UP PUMPS	75	50 (OPTION-1)								
		75	30 (OPTION-2)								
14	# HOTWELL MAKE UP PUMPS	40	50								
15	BOILER FILL PUMPS	300	165	94							YES

Note: 1 # Bid evaluation and LD is applicable for these pumps only as per clause 4.00.00 & Data Sheet-A of Standard Technical Specification for pumps, Section D1, Volume IIB.

We the undersigned hereby undertake to meet the performance guarantees as listed in the table above on the conditions as elsewhere specified. Any variation of the specified conditions during official tests will be taken in account by the customer

PARTICULARS OF BIDDER/AUTHORISED REPRESENTATIVE

NAME	DESIGNATION	SIGNATURE	DATE	COMPANY SEAL
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