



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN – 01**

Ref: PSER:SCT:RMM-M1798:TCN-01

Date: 16-02-2017

Sub	Tender change notice (TCN) 01	
Job	Design, engineering, manufacturing, supply, storage, erection & commissioning, O&M etc, of 1 No Double girder EOT crane (125/25/5/5T) for 3x40 MW NTPC Rammam stage-III, HEP, West Bengal.	
Ref	1.0	Tender No. PSER:SCT:RMM-M1798:17
	2.0	BHEL's NIT, vide reference no PSER:SCT:RMM-M1798:5456, Dated 04-02-2017.
	3.0	All other pertinent issues till date.

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

- 1.0 Clarifications to bidders queries are attached at **Annexure-A**.
- 2.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

SR. ENGR (SCT)

Encl

- 1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र ( मुख्यालय )

POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

<b>ANNEXURE-A TO TCN-01</b>				
<b>Design, engineering, manufacturing, supply, storage, erection &amp; commissioning, O&amp;M etc, of 1 No Double girder EOT crane (125/25/5/5T) for 3x40 MW NTPC Rammam stage-III, HEP, West Bengal.</b>				
<b>TENDER NO: PSER:SCT:RMM-M1798:17</b>				
<b>SL No</b>	<b>Reference clause of tender document</b>	<b>Existing provision</b>	<b>Bidder's query</b>	<b>BHEL's clarification</b>
1	Data Sheet - A / Clause No 1.4.1 (a) Rated SWL - tonnes	150T	As per the specifications crane capacity is 125/25/5/5T. Hence rated SWL for Main hoist shall be 125T	Should be read as 125 T
2	Data Sheet - A / Clause No 3.5.1 (c) Type of Gears and Pinions	Machine cut hardened and profile ground	We recommend to consider hardened and tempered gear box with volume hardening process for power house application.	Tender specification to be followed
3	GENERAL ELECTRICAL SPECIFICATION (E0) Clause 3.08.00 - Motors 3.08.02	Wherever the basis for motor ratings are not specified in the corresponding mechanical specification Sub-sections, maximum continuous motor ratings shall be at least 10% above design duty point or equal to the maximum load demand of the driven equipment under entire operating range including voltage and frequency variation.	We have considered Sq. cage motor suitable for VFD drive of S4 duty with 150 starts/hr. and 40% cdf with TEFC cooling and F/B class.  We have not considered any margin for motor selection for all motions as it is not mentioned anywhere in your tender specifications for S4 duty motor. <b>Please clarify this point regarding margin for motor?</b>	Requirement in tender specification is clear. Bidder to consider at least 10% margin above design duty point for all drive motors.
4	Clause No. 3.03.02.05 Brakes for Various Drives / Motors		Type and size of brake for 5T hoist will be as per standard design	For brakes of 5T hoists, A) (b) & (c) of referred clause to be followed for trolley motion and hoisting motion respectively.
5	Clause No. 4.06.00	LIFTING BEAM SHALL BE SUBMITTED TO SUITABLE TEST DURING MANUFACTURING	Not applicable as lifting beam not mentioned anywhere in scope of supply.	Lifting beam is not applicable.
6	Clause No. Operating Parameters and Speed	B) Crane Span:- 20800 mm (approx.)	As per CCD, crane span is 20400 mm and we have designed accordingly.	Crane clearance diagram to be followed for span.

**FORMAT FOR NO DEVIATION CERTIFICATE**  
**(To be submitted in the bidder's letter head)**

BHARAT HEAVY ELECTRICALS LIMITED,  
Power Sector - Eastern Region,  
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,  
Kolkata – 700 091

<b>Sub</b>	<b>No Deviation Certificate.</b>	
<b>Job</b>	Design, engineering, manufacturing, supply, storage, erection & commissioning, O&M etc, of 1 No Double girder EOT crane (125/25/5/5T) for 3x40 MW NTPC Rammam stage-III, HEP, West Bengal.	
<b>Ref</b>	<b>01</b>	Tender No. PSER:SCT:RMM-M1798:17
	<b>02</b>	BHEL's NIT, vide reference no PSER:SCT:RMM-M1798:5456, Dated 04-02-2017.
	<b>03</b>	BHEL's TCN-01, vide reference no PSER:SCT:RMM-M1798:TCN-01, dated 16-02-2017.
	<b>04</b>	All other pertinent issues till date.

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized  
representative of the bidder)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

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