



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

TCN - 06

Ref: PSER:SCT:NKP-M1883:TCN-06

Date: 31-03-2018

Sub	Tender Change Notice (TCN) - 06.	
Job	Erection, Testing and Commissioning of Air Cooled Condenser (ACC) with Associated Auxiliary System etc. for unit # 1, 2 & 3 of 3x660 MW North Karanpura STPP, Jharkhand.	
Ref	1.0	Tender no PSER:SCT:NKP-M1883:18.
	2.0	BHEL's NIT, vide reference no. PSER:SCT:NKP-M1883:6528 Date: 20-02-2018.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:NKP-M1883:TCN-01 Date: 28-02-2018.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:NKP-M1883:TCN-02 Date: 07-03-2018.
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:NKP-M1883:TCN-03 Date: 19-03-2018.
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:NKP-M1883:TCN-04 Date: 23-03-2018.
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:NKP-M1883:TCN-05 Date: 27-03-2018.
	8.0	Other References, if any.

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

- 1) Clarification of bidders' queries attached vide **Annexure-A to TCN-06**.
- 2) Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

Sr.Engineer (SCT)

Encl: 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 : (033) 2339-8000/ 2339 8236

## ANNEXURE-A TO TCN-06

**JOB:Erection, Testing and Commissioning of Air Cooled Condenser (ACC) with Associated Auxiliary System etc. for unit # 1, 2 & 3 of 3x660 MW North Karanpura STPP, Jharkhand.**

**TENDER NO - PSER:SCT:NKP-M1883:18.**

## CLARIFICATION

Sl. No	Reference clause of tender document	Existing Provision	Bidder's Query	BHEL's Clarification
1	TCN: 04, Major Tools & Plants to be deployed by contractor.....	25 T Flat Jib Crane (Tower Crane) : Range of 70 m height of 74 m. : 02 Nos with in 45 days.	<p>Requirement of 25 T Flat Jib Tower crane was well discussed in the Pre-Bid meeting. We have again analysed the requirement of 25Ton Flat Jib Tower crane &amp; basic configuration &amp; lifting capacity of it. At 74 mtr Height &amp; 70 m range, as the requirement is as per tender condition, both 20 T &amp; 25 T tower crane has the same lifting capacity of approx 5 Ton at required 70 mtr radius. The basic difference in both the crane is; 25 T flat jib crane comes with a longer jib &amp; height; Jib length 80 mtr &amp; maxm lifting capacity at 80 mtr is 3 T. We can share the specification of both the cranes if sought by BHEL for their reference. 20 T Tower crane is also best suited &amp; will surve the purpose. More over, 20 T Tower crane is available in India however, this 25 T crane is a chinees crane which is not available here and a bidder has no option but to buy it from china for this single job which will ultimately raise the execution cost. We request BHEL to look in to this and consider 20 T tower crane in place of 25 T. Further, It is understood from the tender conditions that BHEL is providing a High capacity crane of 600 Ton &amp; requirement of this tower crane is for some limited items only; 1 no of Tower crane for a certain period is sufficient. Activities of two units can be taken up in parallel by placing this crane in between &amp; we can shift this crane for the 3rd unit when required. Since the phase gap between two units is 3 months, Tower crane for the third unit is not required for first 06 months from the commencement of work. We request BHEL to look in to it &amp; consider 01 no 20 Ton Tower crane for a certain &amp; predefined period for successfull execution &amp; hassle free contract execution.</p> <p>This is basically a chinees crane which is not available in India and a bidder has no option</p>	<p>In view of the given reasoning and justification noted in the Bidder's query, we may consider for deployment of Flat Jib (Tower Crane) of any suitable capacity, ranging from 20 Ton to 25 Ton for execution of ACC erection works. However other specifications, terms and required qty. will be same as per Tender conditions.</p> <p>Purpose of using 600T and 25T Tower crane is different as regard ACC erection job is concerned and therefore contractors are required to deploy 02 nos Flat Jib (Tower Crane) for meeting the schedule completion date.</p>
2	TCN: 04, Major Tools & Plants to be deployed by contractor.....	Welding Plant Z X 7400~500 Contravariant DC manual welder Z X 7400~500	It was discussed & agreed in the pre bid meeting that indian welding machine (Transformer) of 500 Amp can also be used in place of specified welding plant. Kindly consider & confirm.	The requirement of current range of welding plant is 400~500Amp. Model specified is only for reference.
3	Clause 5.8.1 of TCC, Page 03 of 59.	Erection, Commissioning of EOT Cranes, Misc. Hoist (Both Mech & Elect) Chain Pully Blocks etc. including obtaining statutory load testing of the erected lifting devices through accredited agency .....	We feel that statutory load testing of such lifting devices should be supplier's/BHEL's scope since such devices are being supplied by BHEL. Necessary manpower assistance may be provided by vendor. Kindly Confirm.	Vendor's scope for this activity is to organize, arrange and perform the load testing of the lifting devices which will be erected, tested and commissioned by them. However, performance guarantee of the devices will be lying on the supplier of the equipment.

## ANNEXURE-A TO TCN-06

**JOB:Erection, Testing and Commissioning of Air Cooled Condenser (ACC) with Associated Auxiliary System etc. for unit # 1, 2 & 3 of 3x660 MW North Karanpura STPP, Jharkhand.**

**TENDER NO - PSER:SCT:NKP-M1883:18.**

## CLARIFICATION

Sl. No	Reference clause of tender document	Existing Provision	Bidder's Query	BHEL's Clarification
4	Clause 5.45.25 of TCC, Page 18 of TCC	Commissioning / inspection of electrical inspector for HT motors or other appliances are creating problem in other tender as such specific refer to SCC clauses may be put indicating that erection agency to complete the commissioning along with inspection by statutory body like electrical inspector / CEA as may be required for compliance towards handing over.	This clause is not comprehensive. Kindly simplify.	As per Cl. no. 5.45.25 of TCC, Vol-IF; it is the responsibility of the contractor to obtain statutory clearances from the statutory body like: CEA, Electrical Inspector etc. for the HT Motors, fans, equipments etc. as per applicable statutory norms.
5	Clause 21.1.4 of TCC , Page 31 of 59	Land may be provided outside the project premises on availability from customer.	We request BHEL to provide Land inside project premises for labour colony as this will surely restrict interface of locals & workmen and is in the interest of work. Kindly consider.	BHEL shall provide land for temporary labour colony as per allotted area and instruction of Customer NTPC.
6	Clause 51.8 of TCC, Page 46 of 59	The accepted rates per MT for Fabrication & Erection of Misc. Structure, Walk-Way, Platforms, Staircases (Group-IV) .....	It was confirmed in the pre bid meeting that all structures will be supplied in fabricated condition. Hence, fabrication word should be deleted from here. Kindly consider.	Specification is clear in this regard
7	Clause 52.2 of TCC, Guarantee Period	The guarantee period will commence from the date of handing over of respective unit or six months after final readiness of respective unit, whichever is earlier.....	Guarantee period should be linked with some milestone activity of final readiness of respective unit. We have witnessed several cases where customer does not take over the unit even after readiness of the system which is a pain for a vendor as the commencement of guarantee period does not get recorder even after completing the work & operation of the unit. Kindly consider.	Successful completion of PG Test for each of the Unit # 1, 2 & 3 will be considered as final readiness of the respective units as regard applicability of Guarantee clause vide TCC cl. no. 52.2 of Vol-IF
8	TCN-04-Annexure-A	--	The Clarification against point slno. 24 and 31 of the Annexure-A are in contradiction to each other with respect to the scope of erection of Passenger Elevator. Please clarify.	Please refer Appendix-II of TCC Vol-IF, wherein vide item srl. No. 3 it has been mentioned that BHEL will provide to the erection agency 02 nos Passanger Elevator for erection purpose of ACC and Auxiliaries and the detailed scope of work involvement by the contractor for these elevators are described vide TCC-Vol-IF cl. no. 37.3.  Passenger Elevator which is mentioned in the Erection manual is other than the above mentioned Passenger Elevator. Purpose of this Passenger Elevator is during post erection activities like: Commissioning, O&M etc.

**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

Sub	No Deviation Certificate.	
Job	Erection, Testing and Commissioning of Air Cooled Condenser (ACC) with Associated Auxiliary System etc. for unit # 1, 2 & 3 of 3x660 MW North Karanpura STPP, Jharkhand.	
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	8.0	BHEL's TCN-06, vide reference no PSER:SCT:NKP-M1883:TCN-06 Date: 31-03-2018.
	9.0	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/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us 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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