



# भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

## BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:KLN-M1876:TCN-01

Date: 27-02-2018

Sub	Tender Change Notice -TCN-01	
Job	<b>PACKAGE-A</b> : Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Air Conditioning System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh. <b>PACKAGE-B</b> : Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Ventilation System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh	
Ref	1.0	Tender no PSER:SCT:KLN-M1876:18
	2.0	BHEL's NIT, vide reference no PSER:SCT:KLN-M1876: 6472 Date: 06-02-2018
	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 Extension of due date of submission of offer from 27-02-2018 to 12-03-2018 (15:00 hrs).
- 2.0 Clarification to Bidder's queries vide Annexure-A to TCN-01.
- 3.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

DY MGR (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 : 23211691, 23211798, 23211796

**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>	No Deviation Certificate.	
<b>Job</b>	<b>PACKAGE-A</b> : Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Air Conditioning System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh. <b>PACKAGE-B</b> : Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Ventilation System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh	
<b>Ref</b>	1.0	Tender no PSER:SCT:KLN-M1876:18
	2.0	BHEL's NIT, vide reference no vide reference no PSER:SCT:KLN-M1876: 6472Date: 06-02-2018
	3.0	BHEL's TCN-01, vide reference PSER:SCT:KLN-M1876:TCN-01, dated 27-02-2018
	4.0	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 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

फैक्स/Fax : (033) 23211960

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ANNEXURE-A TO TCN-01

PACKAGE-A : Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Air Conditioning System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.  
 PACKAGE-B: Design, Engineering, Manufacturing, Supply, Erection & Commissioning, etc. of Ventilation System for 2x660 MW Maitree Super Thermal Power Project, Rampal, Bangladesh.

TENDER NO :PSER:SCT:KLN-M1876:18

Sl No.	Reference clause of tender document		EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION
1	Vol-II : Technical Specification	12 (Exclusion)	However minor civil work like making opening to suit / finishing of opening, sealing of duct opening, grouting of foundation bolts including special type of grouting like GPX2 etc. are in the scope of AC system vendor	Please note , since ducting/ duct insulation is not under scope of vendor, therefore making opening to suit / finishing of opening, sealing of duct opening shall not be in AC vendor scope.- Kindly confirm	Noted, However balance work as per specification( referred clause 12d of exclusion) i.e grouting of foundation bolts including special type of grouting GPX2 etc are in bidders scope.
2	Vol-II : Technical Specification	DESIGN CRITERIA : ELECTRIC HOIST AND MANUAL HOIST (CHAIN PULLEY BLOCK)	MINIMUM LIFTING REQUIREMENT : Table has been kept blank	Please let us know the minimum lifting requirement for design and selection of such equipment	Table was kept blank for bidder to fill, further kindly note that required no. of electrical hoist & chain block shall be provided by bidder as per criteria given in the referred clause.
3	Vol-II : Technical Specification	4.1	AC PLANT-1 (Main Power house) a) The central chilled water plant (air-cooled screw chillers) shall be located outside at 32.5 M level in B-C Bay Power House Building	Please note that any type of vibration at 32.5 mtr level shall be take care by customer. Kindly note.	Bidder to ensure that vibration are not transmitted to civil structure for which required vibration isolation/ isolation system shall be provided by bidder.
4	Vol-II : Technical Specification	13	Electric hoist and Chain pulley block : MANDATORY SPARES: NA	As per tender no mandatory spares are required for Electric hoist and Chain pulley block. Further, there is no mandatory spare list for any mechanical/Electrical/ C&I equipment- Kindly note.	Start up spares and commissioning spares for complete Air conditioning system along with lifting equipment is in bidder scope, further for mandatorys of air conditioning system, Kindly clause no. Annexure-II.
5	Vol-II : Technical Specification	Electrical Hot Water Generator	Two nos. Electrical Hot Water Generator shall be provided in each Plant as per price schedule.	Please provide us detail technical specification for Electrical Hot Water Generator .	Brief specification already covered in BOQ, further detailed shall be submitted by vendor during detailed engineering, which shall be subject to customer acceptance.
6	Vol-II : Technical Specification	PLC	PLC/ DDCIMS	Please let us know the requirement of PLC for this tender- as no separate BOQ of PLC systems has been appeared in the price schedule.	PLC is not in vendor scope, however Please refer specific technical requirement of C&I. As per this complete instrumentation along with integrated redundant microprocessor panel for the chiller unit is in bidder's scope.
7	Vol-II : Technical Specification	Equipment Heat Load	Equipment load	Please furnish us equipment load to be considered for calculation of heat load in each Air conditioning Room at Power house building , ESP Building (1 & 2), service building, Admin Building & Auditorium.	Equipment heat load of various building shall be submitted during detailed engineering. However bidder to quote minimum TR capacity as per specification
8	Vol-II : Technical Specification	10.22	Bidders shall guarantee to maintain specified inside design conditions during summer, monsoon and winter and also even if the internal equipment load varies from 100% to 25%.	Please clarify regarding change in internal equipment load, since no internal equipment load mentioned in the tender.	Bidder to comply specification

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SI No.	Reference clause of tender document	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION	
9	Price Schedule	1.20'	Bidders price for providing full support during FAT of DDCMIS, preparation of control scheme, and commissioning of DDCMIS as per relevant specification.	Kindly note since PLC & DDCMIS are not In our scope , kindly remove this items from AC vendor scope.	Bidder's support is required w.r.t process requirement during FAT of DDCMIS. Hence bidder needs to comply the specification.
10	Price Schedule	1.22	Electrical items like Junction box for control & instrumentation cable, Any special type of cable like compensating, co-axial, prefab, MICC, optical fibre, 100/ 50 mm cable trays/ Conduits/ Galvanised steel cable troughs for local cabling , Cable glands ,lugs and bimetallic strip for equipment supplied by Vendor, Conduit and conduit accessories for cabling between equipment supplied by vendor, LT Motors with base plate and foundation hardware, Details as per electrical specification and scope	Kindly note that item no 1.22 in price schedule kept as LOT item - therefore kindly clarify the exact scope of work under this item.	Bidder to comply specification
11	GENERAL			Please furnish Architectural AutoCAD drawings of following building /areas with section and elevation for Heat load calculation	Main Power House equipment layout and ESP Control Room Drawing given in the specification, Balance drawing shall be provided during detailed engineering. a. Main Power House Building b. ESP control Room building c. Service Building d. Administration Building e. Auditorium Building f. Auxiliary Building
12	GENERAL			Please furnish the Heat dissipation data of all area to be air conditioned	Equipment heat load of various building shall be provided during detailed engineering, However bidder to quote minimum TR capacity as per Specification.
13	GENERAL			Please furnish the Heat dissipation data of all area to be evaporative ventilated	Capacity mentioned in the specification, Bidder to quote as per Specification.
14	GENERAL			Please furnish the U values of external wall, roof, Floor and Glass for all building and Green buildings separately if any	Shall be provided during detailed engineering.
15	GENERAL			Minimum Equipment's COP for green building if any specific requirement	Bidder to comply minimum LEEDs GOLD rating as per specification.
16	GENERAL			Due to non availability of Heat Load calculation, please let us know capacities of following listed equipments of all buildings	Shall be decided during detailed engineering a) Air Handling Unit's air volume capacity b) Fresh Air fans capacity c) Hot water generator capacity d) Humidifier Capacity e) Monsoon Reheat heater capacity