



# भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

## BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 04

Ref: PSER:SCT:BAR-P1688:TCN-04

Date: 28-08-2015

Sub	Tender change notice (TCN) 04	
Job	Handling at site, storage yard, stores, transportation to site, erection, testing, commissioning and handing over of Power Cycle Piping & Auxiliaries for unit 1&2 of 3x660 MW Barh Project, Stage-1, Bihar.	
Ref	1.0	Tender no PSER:SCT:BAR-P1688:15.
	2.0	BHEL's NIT, vide reference no PSER:SCT:BAR-P1688:4631 Date: 06-08-2015
	3.0	BHEL's TCN-01, vide reference PSER:SCT:BAR-P1688:TCN-01, dated 18-08-2015.
	4.0	BHEL's TCN-02, vide reference PSER:SCT:BAR-P1688:TCN-02, dated 20-08-2015.
	5.0	BHEL's TCN-03, vide reference PSER:SCT:BAR-P1688:TCN-03, dated 22-08-2015.
	6.0	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 The 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 : 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

Sl. No.	Ref Cl.	Subject	Bidder's Query	BHEL's clarification
1	Weight Schedule	Weight schedule of PGMA wise	Pl. provide us the weight schedule along with detail of PGMA and Material Specification as per WBS Description and required item rate applicable in Price Schedule.	PGMA wise weight schedule shall be furnished during execution.
2		Welding Schedule	Pl. provide Erection Welding Schedule to estimate the proper cost input for consumables for critical piping work like P-91/Alloy steel/P-22 etc.	EWS shall be furnished during execution.
3	Cl. 4.1.4 of SCC and Cl. No. 4.37.9 of T.C.C	TIG Filler wire for Boiler and Filler wires for Electrodes for P91/T91 piping shall be provided by BHEL free of cost	Please confirm filler wire for other piping (CS & P22/Alloy steel) shall be provided by BHEL free of cost. Please also confirm that Filler wire and electrode for P-91 /P-92 shall also be provided to us free of cost at site from BHEL manufacturing units.	As per tender.
4	Vol. IF-Tech Rev. - 1	Purging of Generator Stator Water system	Please furnish us the required volume for purging of Generator Stator Water system to access the proper cost input of Gases like Nitrogen for Purging.	Requirement deleted
5	Vol.1F Tech Rev 1	CW pipes in the puddle flange area	Pl. confirm that CW pipes shall be supplied to us with wrapping & coating material necessary excavation & backfilling for CW pipes Work shall also be done by other bidder.	CW pipes is not in the scope of this tender.
6	TCN-01/Point No. 2	Fabrication of CD –Bay Structure	Pl. furnish us the quantum of fabrication work (MT) involved in CD-Bay structure as we apprehend that all pipes & supports are to be supplied to us in pre-fabricated condition.	Cannot be furnished at this stage & shall be furnished during execution.
7	Vol.1F Tech Rev 1/Point No. 6	Pre-commissioning & Post Commissioning Work	Please confirm that the duration of Pre-commissioning & Post Commissioning Work period after synchronization shall be 720 hrs in an un-interrupted manner.	Cannot be furnished at this stage & shall be furnished during execution.

Sl. No.	Ref Cl.	Subject	Bidder's Query	BHEL's clarification
8		Most of the equipment/ items/ components will be supplied with one coat of primer paint and one coat of finish paint.	Therefore we apprehend that Shot-Blasting cleaning for Internal surface and primer painting is excluded from bidder scope of work.	No shot blasting cleaning applicable. However primer painting is in bidder's scope.
9		PVC Clause during the extended period of contract	Pl. confirm the Applicability of PVC clause during the extended period of contract with no fault of contractor after contractual completion as per 2.12 of G.C.C.	PVC is not applicable for this tender.
10		Approved vendor list of Paints & Primers of NTPC/BHEL	Pl. provide us the Approved vendor list of Paints & Primers of NTPC/BHEL.	Shall be furnished during execution.
11	Terms of Payment	Mile Stone wise Terms of Payment or progressive payment break up	Pl. provide us stage wise Terms of Payment Schedule required for Completion of Work. (100% payment break up) with respect to Rate Schedule item no along with mile stone achievement.	As per tender.
12	Vol-1F Tech Rev 01/Cl. No. 5.1(4) & Annexure-I Page 24 of 25	PMI Machine-2Sets/List of T&P to be provided by contractor	In Contractor's T&P (Annexure-I of Page 24 of 25) no PMI machine is stipulated but in clause no. 5.1.(4) of Vol,1(F)Tech Rev-01 it is mentioned that 2 nos PMI machine are required. Please confirm.	PMI Machine is to be arranged by vendor.
13		DG Set for P-91/T-91 Welding	Please confirm that 250 KVA DG Set or adequate capacity required for P-91/T-91 Welding for uninterrupted power supply shall be provided to us free of cost at site which is a normal practice of BHEL.	DG set shall be arranged by vendor as per requirement.
14	Page – 24 of 25 Volume 1F – CML-Rev. 0	Contractor's T&P-Point No. 47- DG Set	Please confirm the Scope where in DG Set (for welding in areas outside plate Boundary) is required. Generally all DG Set are to be supplied to us free of cost at site by BHEL	DG set shall be arranged by vendor as per requirement.

Sl. No.	Ref Cl.	Subject	Bidder's Query	BHEL's clarification
			which is standard practice of BHEL .	
15	Vol 1-F Tech Rev 01/ Sl. No. 01	Special T&P supplied by BHEL	Please furnish us the details of Special T&P to be supplied by BHEL for erection & commissioning of PCP work and TG is excluded from our Scope of Work.	List of BHEL T&P is available in tender document.
16	Vol 1-F Tech Rev 01/ Sl. No. 05	Induction Heating Machine	Please confirm us the Induction Heating Machine shall be supplied to us free of cost along with all accessories like annealing cable, compensating cable etc.	Already clarified in earlier TCN.
17	8.0 of Vol IF Tech Rev 01	Electrical Cable tray & cabling Installation	Please furnish us the relevant payment terms applicable for Electrical Cable tray & cabling Installation work. Please also confirm that Bidder's scope is limited to erection of cable trays & cabling Installation only. Cable glanding & termination work along-with loop checking for Electrical & Instrumentation shall not be under bidder's scope of work.	No separate payment for this. However all these works are in bidder's scope for valves of this package.

**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	Handling at site, storage yard, stores, transportation to site, erection, testing, commissioning and handing over of Power Cycle Piping & Auxiliaries for unit 1&2 of 3x660 MW Barh Project, Stage-1, Bihar.	
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	6.0	BHEL's TCN-04, vide reference PSER:SCT:BAR-P1688:TCN-04, dated 28-08-2015.
	7.0	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

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