



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 02

Ref: PSER:SCT:BNP-M1610:TCN-02

Date: 03-11-2014

Sub	Tender Change Notice (TCN) - 01.	
Job	Design, Engineering, Manufacturing, Supply, Erection, Testing, Commissioning Etc of Ventilation System for 2x660 MW Units at IB TPS, OPGCL, Banharpalli, Odisha.	
Ref	1.0	Tender no PSER:BNP-M1610:14
	2.0	BHEL's NIT, vide reference no PSER:SCT:BNP- M1610:3984 Date: 14/10/2014.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT: BNP-M1610:TCN-01 Date: 20-10-2014
	4.0	Other References, if any.

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

- 1) The clarifications to bidders queries are attached at Annexure-A.
- 2) Due date of submission of offer is extended from 04/11/2014 to 11/11/2014 at 1500 Hrs
- 3) Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 4) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl: As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

ANNEXURE-A to TCN- 02

Design, Engineering, Manufacturing, Supply, Erection, Testing, Commissioning Etc of Ventilation System for 2x660 MW Units at IB TPS, OPGCL, Banharpalli, Odisha.

Tender no. PSER:SCT:BNP-1610:14

SL	Ref. clause of Tender Document	Existing provision	BIDDER'S QUERY	BHEL'S CLARIFICATION
1	Cl.No.6.1.1.8 of C1 Page 11 of 18	Regarding Design Margin to be considered. The design margin is specified in the referred clause like Fan capacity + 20% flow margin, Fan Head + 20% design margin. Pump capacity - Flow with 15% margin & head 20% margin.	Should we consider the same margin while selecting our Equipments and Calculating Guaranteed Power Consumption for each equipments. Please clarify.	As per Tender provision. Bidder to quote as per tender specification.
2	Clause No.2.02.02 of C2 & 2.02.05	Regarding Ventilation Distribution Board & Power & Control Cable.	Which are not reflecting in your electrical Scope Matrix under Annx-I of Sec-C. Please clarify is in our scope or not.	As per Tender provision. Bidder to quote as per tender specification.
3	Clause No.5.12.02	What type of Distribution Board to be considered for the Motor of Rating for ventilation Fan beyond 5.5 KW	Please clarify	Shall be feed from centralized MCC (refer electrical scope matrix)

SL	Ref. clause of Tender Document	Existing provision	BIDDER'S QUERY	BHEL'S CLARIFICATION
4	Regarding guarantee power consumption under Sec.9 vol.3 - Price Schedule, Rev.00	Area wise Equipment Guaranteed Power.	Please specify The Fans capacity & pressure under the following area-wise as indicated in the referred section. Please clarify :--- 7.0 Battery Room 8.0 Coal conveyor tripper floor of Mill Bay 9.0 DG Building. 10.0 Plant compressor room	Areawise fan capacity to be considered as under :--- 7.0 Battery Room:- Axial flow Exhaust fan of capacity 15000 CMH with 15 mmSP (Spark proof Bifurcated type fan). 8.0 Coal conveyor tripper floor of Mill Bay :- RE Unit of capacity 20000 CMH with 15 mmSP. 9.0 DG Building:- Axial flow Exhaust fan of capacity 10000 CMH with 10 mmSP. 10.0 Plant compressor room:- Axial flow Supply fan with pre filter of capacity 10000 CMH with 20 mmSP.
5	Clause : 3 , Section -C1 and 4.00.00, Section C2 Volume - III/S-II	Inside Conditions Stated	How to ensure & guarantee without verifying the head load	Capacity of Air-washer is already defined in the specification.
6	Clause : 4.02.04, Section -C2 Volume - III/S-II	NB:1, Capacities to be decided on the basis of heat load or minimum air changes whichever is higher	How to calculate heat-load in absence of required data e.g internal heat i.e equipment &/or any other heat emission, occupancy, lighting etc. (furnish the missing data / information)	1. Wet Ventilation:- Capacity of Airwasher is already defined in the specification. 2. Dry Ventilation:- Capacity to be calculated on either of two (Air change / Heat load) during detail engineering. Wall mounted fan to be provided. These are variable quantity items.

Tender no. PSER:SCT:BNP-1610:14				
SL	Ref. clause of Tender Document	Existing provision	BIDDER'S QUERY	BHEL'S CLARIFICATION
7	2.01.04 b), c), d) & e) and 2.01.05 b), c) & d) Section C-2, Volume-III/S-II	Separate Pumps for auto-clean filter & cooling media (fil-deck) for air washers but pumps only for cooling media spray bank but no pump for auto-clean filter for UAF	Is it common pump for UAF auto-clean filter & cooling spray banks	As per Tender provision. . Bidder to quote as per tender specification.
8	2.01.04 i) and 2.01.05 i) Section C-2, Volume-III/S-II	DIDW Fan for Air washers & SISW Fan for UAF	Can we provide DIDW Fan for UAF (of course with Casing)	As per Tender provision. No deviation is acceptable. Bidder to quote as per tender specification.
9	Volume 1C & ID (Note 2.0)	LD/ penalty, if leviabale as per provision of this tender on the aforesaid schedule or other schedule of this tender, shall also be applicable on modified/ altered schedule, after its mutually agreement between BHEL and successful bidder.		LD/ penalty, if leviabale as per provision of this tender on the aforesaid schedule or other schedule of this tender, shall also be applicable on modified/ altered schedule. The tendered schedule can /shall be modified based on mutual agreement between BHEL and successful bidder.

PROJECT : Ventilation system for 2x660 MW Units at IB TPS at ODISHA.				
TENDER NO.PSER:SCT:BNP:M1610:14			ANNEXURE-3	
FORMAT FOR SEEKING CLARIFICATION				
JOB	Design, Engineerin, Manufacturing, Supply, Erection, Testing, Commissioning, etc. of Ventilation System for 2x660 MW Units at IB TPS, OPGCL, Banharpalli, odisha			
TENDER NO.	PSER:SCT:BNP:M1610:14			
Sl.No.	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification (PEM)
1	Cl.No.6.1.1.8 of C1 Page 11 of 18	Regarding Design Margin to be considered. The design margin is specified in the referred clause like Fan capacity + 20% flow margin, Fan Head + 20% design margin. Pump capacity - Flow with 15% margin & head 20% margin.	Should we consider the same margin while selecting our Equipments and Calculating Guaranteed Power Consumption for each equipments. Please clarify.	Clause is very clear. Bidder to quote as per tender specification.
2	Clause No.2.02.02 of C2 & 2.02.05	Regarding Ventilation Distribution Board & Power & Control Cable.	Which are not reflecting in your electrical Scope Matrix under Annx-I of Sec-C. Please clarify is in our scope or not.	Scope is clearly define in electrical scope matrix provided in tender.
3	Clause No.5.12.02	What type of Distribution Board to be considered for the Motor of Rating for ventilation Fan beyond 5.5 KW	Please clarify	Shall be feed from centralized MCC (refer electrical scope matrix)
4	Regarding guarantee power consumption under Sec.9 vol.3 - Price Schedule, Rev.00	Area wise Equipment Guaranteed Power.	Please specify The Fans capacity & pressure under the following area-wise as indicated in the referred section Please clarify 7.0 Battery Room 8.0 Coal conveyor tripper floor of Mill Bay 9.0 DG Building. 10.0 Plant compressor room	Kindly considered the fan capacity areawise as under. 7.0 Battery Room:- Axial flow Exhaust fan of capacity 15000 CMH with 15 mmSP (Spark proof Bifurcated type fan). 8.0 Coal conveyor tripper floor of Mill Bay :- RE Unit of capacity 20000 CMH with 15 mmSP. 9.0 DG Building:- Axial flow Exhaust fan of capacity 10000 CMH with 10 mmSP. 10.0 Plant compressor room:- Axial flow Supply fan with pre filter of capacity 10000 CMH with 20 mmSP.
C.DOCTOR &CO (PVT) LTD.				

PSER to forward PEM reply for Sr. No.4 regarding area wise GPC to all Bidders for better clarity.

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	<i>Design, Engineering, Manufacturing, Supply, Erection, Testing, Commissioning Etc of Ventilation System for 2x660 MW Units at IB TPS, OPGCL, Banharpalli, Odisha.</i>	
Ref	1.0	Tender no PSER:BNP-M1610:14
	2.0	BHEL's NIT, vide reference no PSER:SCT:BNP- M1610:3984 Date: 14/10/2014.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT: BNP-M1610:TCN-01 Date: 20-10-2014
	4.0	BHEL's TCN-02, vide reference no PSER:SCT: BNP-M1610:TCN-02 Date: 03-11-2014
	5.0	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)