



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 03

Ref: PSER:SCT:BNP-M1611:TCN-03

Date: 22-11-2014

Sub	Tender change notice (TCN) 03	
Job	Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.	
Ref	1.0	Tender No. PSER:SCT:BNP-M1611:14
	2.0	BHEL's NIT, vide reference no PSER:SCT:BNP-M1611:4005 , Dated 28-10-2014.
	3.0	BHEL's TCN-01, vide reference PSER:SCT:BNP-M1611:TCN-01, dated 05-11-2014.
	4.0	BHEL's TCN-02, vide reference PSER:SCT:BNP-M1611:TCN-02, dated 17-11-2014.
	5.0	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

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

ANNEXURE-A to TCN- 03

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.

Tender No. PSER:SCT:BNP-M1611:14

SI No.	Ref. clause of Tender Document			SUBJECT		BIDDER'S QUERY	BHEL'S CLARIFICATION
1	IIB PE-TS-391-155A-A001	C1	4.0.(A) Point No 16	Scope of supply	"Six(8) complete charges of resins(cation + anion + inert(if aplicable) along with 1 charge for resin makeup hopper shall be provided."	Both the clauses are contradictory ,kindly confirm how many number of charges to be provided.	"Eight(8) complete charges of resins(cation + anion + inert(if aplicable) along with 1 charge for resin makeup hopper shall be provided."
	IIB PE-TS-391-155A-A001	D1	4.04.01	Exchange Resins	Total number of charges supplied by bidder shall include total resin charges for TG units plus one spare charge plus commissioning charge plus one charge to be stored in additional regenerated resin storage vessel.		
2	IIB PE-TS-391-155A-A001	C3	NA	PLC configuration for CPU	"redundant UPS with 60 minutes Backup at full load(1x200% Ni-Cd battery)"	Both the clauses are contradictory ,BHEL to confirm whether Battery sizing should be 2 x 100% or 2x 200% UPS load	The redundancy shall be 1x100% with 60 mins back up time.
	IIB PE-TS-391-155A-A001		NA		1X100% Capacity Ni-Cd- battery(Back-up 60 minutes)		
3	IIB PE-TS-391-155A-A001	D	3.9.1	Power Supply scheme	Each UPS shall have 30 minutes back up.	We understood that each UPS shall have 30 minutes backup and in total both UPS shall have 60 mins. backup.	The redundancy shall be 1x100% with 60 mins back up time.
4	IIB PE-TS-391-155A-A001	C3	NA	Power Supply Arrangement for PLC based system-SLD	UPS for RIO	Separate UPS is not required for RIO panel in service area.Power supply distribution to RIO shall be taken from common UPS which is placed in regeneration area.	No separate UPS is required
5	General					We understood that mandatory spares are not applicable for this package.Kindly confirm.	No mandatory spares are applicable.

ANNEXURE-A to TCN- 03

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.

Tender No. PSER:SCT:BNP-M1611:14

SI No.	Ref. clause of Tender Document			SUBJECT		BIDDER'S QUERY	BHEL'S CLARIFICATION
6	IIB PE-TS-391-155A-A001	C1	4.0.(B) Point No 14	Regeneration System	Bidder to include one toilet block having facilities for Ladies & gents as per attached Space available for CPU Regeneration area(vide ref. Dwg.No. PE-DG-391-155A-A003).	As per tender , Civil work is not in BGR scope.Kindly clarify the scope of work by BGR for this Toilet block.	It is not part of bidder's scope.
7	IIB PE-TS-391-155A-A001	C1	4.0.(E))Point No 16	Additional requirement	None of the items supplied for the project shall be non-billable.	We understood that all major mechanical, electrical and instrumentation items shall be considered in BBU except minor items like foundation bolts, U-Bolts fasteners, Gaskets, all pipe fittings,etc.	Please follow technical specification.
8	IIB PE-TS-391-155A-A001	D1	4.06.01	External regeneration facility(regeneration plant)	Minimum freeboards to be as follows:- Condensate polisher/Mixed bed polisher-100%	As we are offering spherical vessel , freeboard is not applicable in these vessels.	Please follow technical/tender specification.
9	IIB PE-TS-391-155A-A001	D1	4.06.01	External regeneration facility(regeneration plant)	Mixed resin storage vessel(if applicable)-100%	Free board of Mixed Resin storage vessel shall be 50% as there is no any backwash or rinse is being done in this vessel.	Please follow technical/tender specification.
10	IIB PE-TS-391-155A-A001	D1	2.02.00	Condensate Analysis during normal conditions	Sodium as Na in Influent = 10 ppb	Since there are no values indicated in the Effluent analysis , Performance Guarantees shall not be applicable for these parameters.	Please follow technical/tender specification.
11	IIB PE-TS-391-155A-A001	D1	2.02.00	Condensate Analysis during normal conditions	Chloride as Cl in Influent = 10 ppb		
12	IIB PE-TS-391-155A-A001	D1	2.02.00	Condensate Analysis during normal conditions	Crud in Influent = 100 ppb		

ANNEXURE-A to TCN- 03

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.

Tender No. PSER:SCT:BNP-M1611:14

SI No.	Ref. clause of Tender Document			SUBJECT		BIDDER'S QUERY	BHEL'S CLARIFICATION
13	IIB PE-TS-391-155A-A001	D1	2.03.00	Condensate Analysis during Startup conditions	Total Copper-During Start-up in Influent	Kindly provide the concentrations of the same in influent during startup condition.	Please follow technical/tender specification.
14	IIB PE-TS-391-155A-A001	D1	2.03.00	Condensate Analysis during Startup conditions	Total Ferric iron-During Start-up in Influent		
15	IIB PE-TS-391-155A-A001	C1	3.2.(v) DATASHEE T-A	Useful Capacity	To hold the 15 days storage requirement.		Please follow technical/tender specification.
16	IIB PE-TS-391-155A-A001	C1	3.3.b.(iii) DATASHEE T-A	Useful Capacity	Capacity=100% requirement for single regeneration of two (2) CPU+20% margin.		Capacity=100% requirement for single regeneration of two (2) polisher vessels+20% margin.
17	II-B	C1	E.7	All Regeneration Vessels and Chemical dosing facilities shall be located in Industrial shed.		Shed for CPU Regeneration Vessels and Chemical dosing facilities is excluded from Driplex's Scope. Scope for Industrial shed is not defined.	Industrial shed is in client's scope.
18	II-B	C1	10.1	Complete Grouting for Equipment, Fixing and any Concreting inside Vessels and lining shall be in the scope of bidder.		All types of Lining for Drains, Trenches, Acid/Alkali Storage Area, Neutralisation Pit and other Civil Structures are excluded from Driplex's Scope. Lining should be under scope of Civil Contractors.	Noted.

ANNEXURE-A to TCN- 03

Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.

Tender No. PSER:SCT:BNP-M1611:14

SI No.	Ref. clause of Tender Document		SUBJECT	BIDDER'S QUERY	BHEL'S CLARIFICATION	
19	II-B	C1	4.A.16	Six (8) Complete charges of Resins (Cation + Anion + inert (if applicable)) along with 1 charge for resin make up hopper shall be provided.	There is contradiction in referred clause, kindly clarify the scope regarding charge of resin. For Scope Clarity.	"Eight(8) complete charges of resins(cation + anion + inert(if aplicable) along with 1 charge for resin makeup hopper shall be provided."

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	Design, engineering, manufacturing, supply, erection, testing, commissioning, etc of Condensate Polishing Unit system for 2x660 MW units at IB TPS, Banharpalli, Orissa.	
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	5.0	BHEL's TCN-03, vide reference PSER:SCT:BNP-M1611:TCN-03, dated 22-11-2014.
	6.0	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, SALTLAKE CITY, KOLKATA - 700 091

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