



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 14

Ref: PSER:SCT:NKP-M1699:TCN-14

Date: 01-12-2015

Sub	Tender change notice (TCN)14	
Job	Design, engineering, manufacturing, supply, erection, testing, commissioning, PG Test and handing over, etc of CPU System along with pre-filters and two nos external regeneration systems for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.	
Ref	1.0	Tender No. PSER:SCT:NKP-M1699:15
	2.0	BHEL's NIT, vide reference no PSER:SCT:NKP-M1699:4695, dated 18/09/2015
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:NKP-M1699:TCN-01, dated 29-09-2015.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:NKP-M1699:TCN-02, dated 07-10-2015.
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:NKP-M1699:TCN-03, dated 16-10-2015.
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:NKP-M1699:TCN-04, dated 19-10-2015.
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:NKP-M1699:TCN-05, dated 28-10-2015.
	8.0	BHEL's TCN-06, vide reference no PSER:SCT:NKP-M1699:TCN-06, dated 05-11-2015.
	9.0	BHEL's TCN-07, vide reference no PSER:SCT:NKP-M1699:TCN-07, dated 10-11-2015.
	10.0	BHEL's TCN-08, vide reference no PSER:SCT:NKP-M1699:TCN-08, dated 13-11-2015.
	11.0	BHEL's TCN-09, vide reference no PSER:SCT:NKP-M1699:TCN-09, dated 16-11-2015.
	12.0	BHEL's TCN-10, vide reference no PSER:SCT:NKP-M1699:TCN-10, dated 19-11-2015.
	13.0	BHEL's TCN-11, vide reference no PSER:SCT:NKP-M1699:TCN-11, dated 21-11-2015.
	14.0	BHEL's TCN-12, vide reference no PSER:SCT:NKP-M1699:TCN-12, dated 23-11-2015.
	15.0	BHEL's TCN-13, vide reference no PSER:SCT:NKP-M1699:TCN-13, dated 30-11-2015.
	16.0	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 Clarification to bidder's queries as per attached 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

- 1.0 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

Sub	No Deviation Certificate.	
Job	Design, engineering, manufacturing, supply, erection, testing, commissioning, PG Test and handing over, etc of CPU System along with pre-filters and two nos external regeneration systems for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.	
Ref	01	Tender No. PSER:SCT:NKP-M1699:15
	02	BHEL's NIT, vide reference no PSER:SCT:NKP-M1699:4695, dated 18/09/2015
	03	BHEL's TCN-01, vide reference no PSER:SCT:NKP-M1699:TCN-01, dated 29-09-2015.
	04	BHEL's TCN-02, vide reference no PSER:SCT:NKP-M1699:TCN-02, dated 07-10-2015.
	05	BHEL's TCN-03, vide reference no PSER:SCT:NKP-M1699:TCN-03, dated 16-10-2015.
	06	BHEL's TCN-04, vide reference no PSER:SCT:NKP-M1699:TCN-04, dated 19-10-2015.
	07	BHEL's TCN-05, vide reference no PSER:SCT:NKP-M1699:TCN-05, dated 28-10-2015.
	08	BHEL's TCN-06, vide reference no PSER:SCT:NKP-M1699:TCN-06, dated 05-11-2015.
	09	BHEL's TCN-07, vide reference no PSER:SCT:NKP-M1699:TCN-07, dated 10-11-2015.
	10	BHEL's TCN-08, vide reference no PSER:SCT:NKP-M1699:TCN-08, dated 13-11-2015.
	11	BHEL's TCN-09, vide reference no PSER:SCT:NKP-M1699:TCN-09, dated 16-11-2015.
	12	BHEL's TCN-10, vide reference no PSER:SCT:NKP-M1699:TCN-10, dated 19-11-2015.
	13	BHEL's TCN-11, vide reference no PSER:SCT:NKP-M1699:TCN-11, dated 21-11-2015.
	14	BHEL's TCN-12, vide reference no PSER:SCT:NKP-M1699:TCN-12, dated 23-11-2015.
	15	BHEL's TCN-13, vide reference no PSER:SCT:NKP-M1699:TCN-13, dated 30-11-2015.
	16	BHEL's TCN-14, vide reference no PSER:SCT:NKP-M1699:TCN-14, dated 01-12-2015.
	17	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)

<p>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</p>

ANNEXURE-A to TCN- 14

Design, engineering, manufacturing, supply, erection, testing, commissioning, PG Test and handing over, etc of CPU System along with pre-filters and two nos external regeneration systems for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.

Tender No. PSER:SCT:NKP-M1699:15

SI No.	Volume	Section	Clause No.	Page No.	Specification Requirement	Clarification	BHEL's REPLY
1	Doc.No-PE-TS-405-155A-A001, Volume - II (TCN-01)	C-1	4	15 OF 18	All the plant layouts shall be made in computerised 3 D modelling system as detailed in Part -D of the technical specification.Bidder shall progressively provide an integrated intelligent and editable 3D model of each CPU Service vessel area and each CPU Regeneration area layout made using rule-based , data centric 3D Design software (3Nos) that should accept 3D data from heterogeneous systems with equipment drawings , data sheets . Intelligent P & ID correlated with intelligent 3D Model (Intelligent P & ID creation software-3 nos), BOQ, schematics, logic diagrams (Instrumentation and Electrical Design software - 3nos each), test reports and quality plan, etc. attached to the respective equipment/systems in the 3D model. Further design review model (2 nos.) shall be provided with equipment drawings, data sheets P & ID, BOQ, schematics, logic diagrams, test reports and Quality plan, etc. attached to the respective equipment/systems in the review model. Both the models (3D model or review model) shall be submitted for BHEL/Customer's review for concurrent engineering at regular interval, as and when desired by BHEL/Customer. Commercially available 3-D modelling software and design review software (network ready, which shall include interference check walkthrough animation, simulation for equipment placement and removal, visual effect, photo realism, etc) shall be loaded on server with 2 work stations (latest configuration for server & workstation) with one A-3 size coloured laser printer. The software shall include facility for obtaining hard copies of all the drawings/documents on standard plotter/printer. All software provided shall necessarily include the cost for perpetual license(s) for use on all the machines and an Annual Maintenance Contract (AMC) which shall include software upgrades as & when released by the software agency for a period of three (3) years after warranty/guarantee period. The requisite hardware and software shall be supplied and commissioned by the Bidder at BHEL & Customer Engineering Office Complex at Noida as per mutually agreed schedule. Further, training for BHEL/Customer's personnel for 100 mandays(for 10 employees in minimum 2 batches of 5 each) shall be provided at BHEL & Customer office at Noida, for the software being offered under the package. For this purpose, all the softwares and hardwares shall be provided before start of detail engineering so that the training can be imparted on time.	Kindly confirm whether Native software for this package to be supplied by us.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015.
						Kindly clarify whether we have to supply smart Plant software suite for SPPID, SPI, SPEL & SP3D each 3 Nos.Please confirm.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015.
						Whether Smartplant template database / Smartplant reference data for SPPID, SPI, SPEL & SP3D shall be provided by BHEL during engineering.Kindly confirm.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015.
						Kindly clarify whether we have to supply Design review software 2 Nos.Please confirm.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015.
						Kindly confirm whether Server for Smart Plant suite to be supplied by us.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015
						Kindly confirm whether 3 years AMC for Software to be considered in our scope.Kindly confirm.	Bidder to please refer TCN-12 with reference No. PSER:SCT:NKP-M1699:TCN-12 dated 23/11/2015.