



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 05

Ref: PSER:SCT:NBN-C2080:TCN-05

Date: 07-11-2020

Sub	Tender Change Notice (TCN) - 05	
Job	<i>Construction of 4 nos 150 M Tall Single Flue RCC Chimney with Borosilicate Glass Block Lining System on MS Flue Can (excluding pile) at 4x250 MW BRBCL Nabinagar TPP FGD, Bihar.</i>	
Ref	1.0	Tender no: PSER:SCT:NBN-C2080:20
	2.0	BHEL's NIT, vide reference no: PSER:SCT:NBN-C2080:8232, Date: 28-10-2020.
	3.0	BHEL's TCN- 01, vide ref. no. PSER: SCT: NBN-C2080:TCN-01, Date: 02-11-2020
	4.0	BHEL's TCN- 02, vide ref. no. PSER: SCT: NBN-C2080:TCN-02, Date: 05-11-2020
	5.0	BHEL's TCN- 03, vide ref. no. PSER: SCT: NBN-C2080:TCN-03, Date: 06-11-2020
	6.0	BHEL's TCN- 04, vide ref. no. PSER: SCT: NBN-C2080:TCN-04, Date: 07-11-2020
	7.0	Other References, if any.

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

1. The clarifications to bidder's queries are attached as Annexure-A to this TCN-05.
2. Clause no 3.4, Clause no. 3.5, Clause no 3.6 & Clause no 17.1 of Volume-IF-TCC-CML-REV-00 (Technical Conditions of Contract (Supply and Service)) stands modified, attached vide Annexure-B to this TCN-05.
3. Introduction of Drawings- General Arrangement to Wet Stack (PE-DG-463-620-C001, REV 1) to VOL-IF, are attached for tender purpose only.
4. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
5. 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)

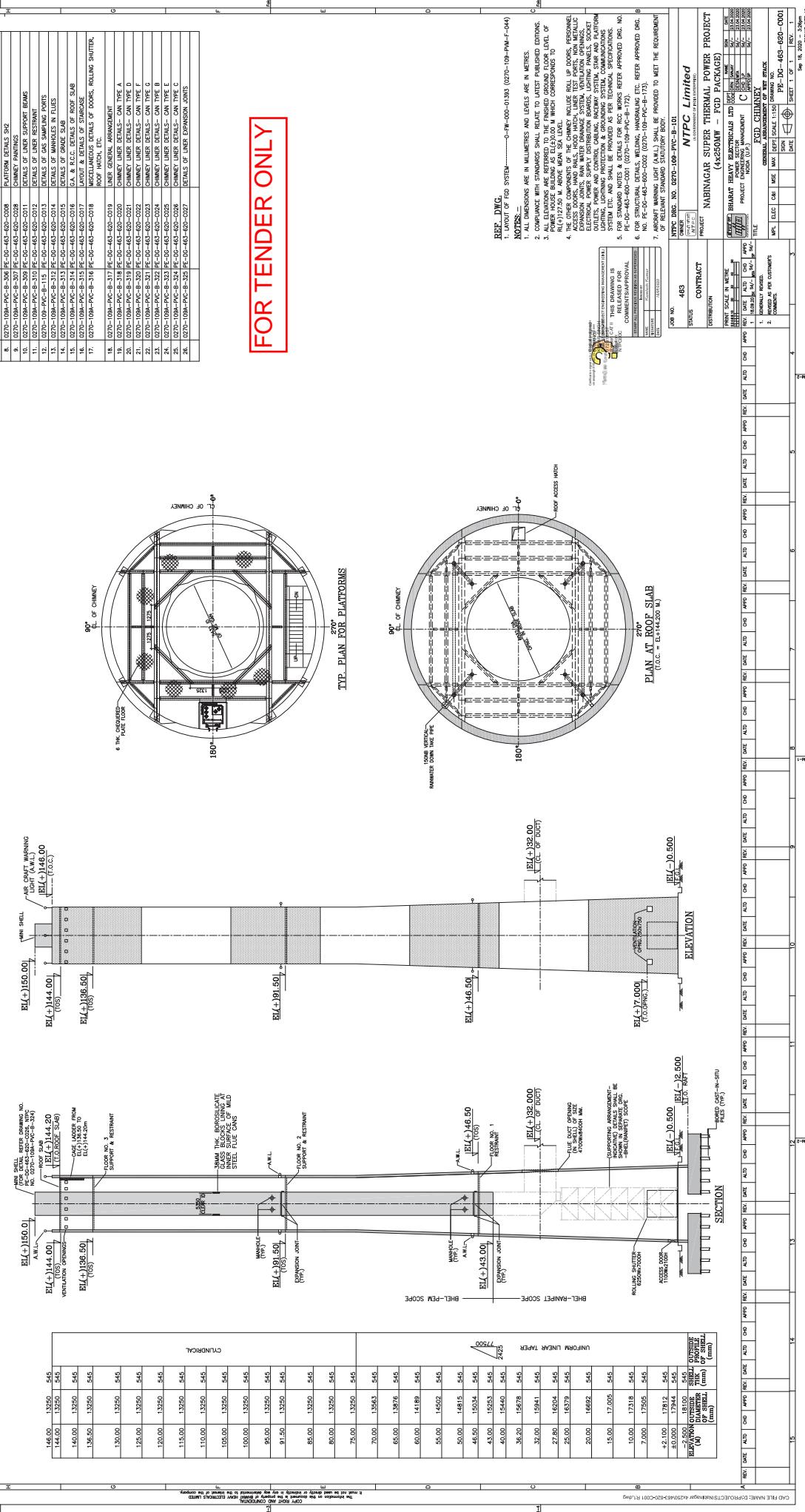
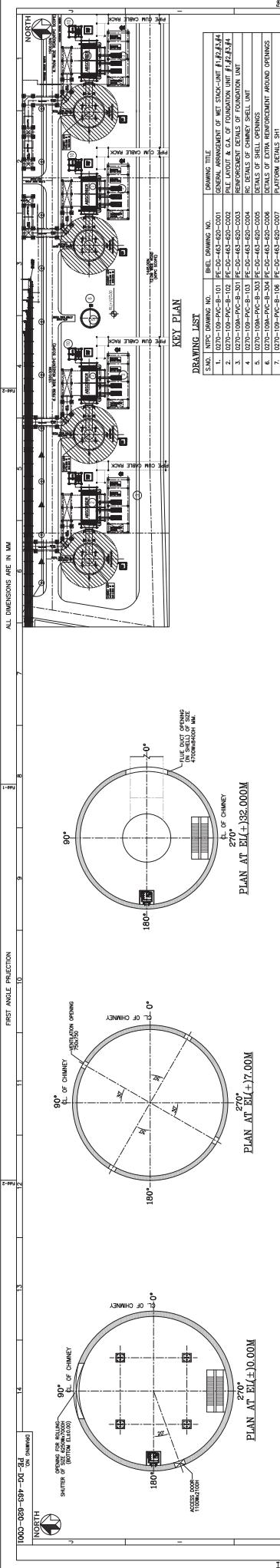
POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : (033) 2339-8000/ 2339 8231

Construction of 4 nos 150 M Tall Single Flue RCC Chimney with Borosilicate Glass Block Lining System on MS Flue Can (excluding pile) at 4x250 MW BRBCL Nabinagar TPP FGD, Bihar.				
Tender no PSER:SCT:NBN-C2080:20.				
ANNEXURE-A TO TCN-05				
CLARIFICATIONS				
SL. NO.	REFERENCE CLAUSE OF TENDER	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION
1.0	GENERAL		GA/ Dimension drawings of Chimney are not available in the tender specification. Kindly furnish the same.	General Arrangement of Wet Stack, NTPC DOCUMENT NO. 0270-109-PVC-B-101, BHEL DOCUMENT NO: PE-DG-463-620-C001, Rev-1, uploaded only for reference & planning purpose. These drawings shall not form part of the tender. Approved drawings shall be provided to successful bidder during execution.
2.0	Item sl. no. SI No A14 of Price Schedule VOLUME-III PRICE SCHEDULE, REV-00	Providing & laying design mix cement ----- reinforcing steel.	Please confirm that supply of concrete, as applicable against SI No A14, will be issued free by BHEL.	Shall be As per Tender. Bidders are also requested to Refer at sl no-1 OF Annexure -B Of This TCN.
3.0	GENERAL		Ground water table / level and soil characteristics in the chimney area(s) required for accurately estimating the extent of de-watering and excavation works	As per soil investigation conducted in Jan/Feb'20, standing water level in chimney area was struck at a depth of about 8.85 mtr to 9 m below existing ground level. However, for assessment of actual site conditions, all bidder are requested to visit site before submission of bid.

Construction of 4 nos 150 M Tall Single Flue RCC Chimney with Borosilicate Glass Block Lining System on MS Flue Can (excluding pile) at 4x250 MW BRBCL Nabinagar TPP FGD, Bihar.			
Tender no PSER:SCT:NBN-C2080:20.			
ANNEXURE-B TO TCN-05			
SL. NO.	REFERENCE CLAUSE OF TENDER	EXISTING PROVISION	MODIFIED PROVISION
1.0	Clause No. 3.4 VOLUME-IF-CML REV-00 TECHNICAL CONDITIONS OF CONTRACT (SUPPLY & SERVICE)	<p>Ready mix cement concrete required for the tender scope (except chimney shell) shall be procured by BHEL and issued to contractor as free of cost (FOC) item, at Batching Plant inside the plant premises. Bidder has to transport the concrete from batching plant to the location of work. Bidder to submit a receipt of concrete at batching plant based on the print out of batching. Reconciliation of quantity of concrete shall be done based on actual use of concrete at site. Chimney shell concrete supply & laying is in the scope of contractor.</p> <p>For concrete supplied by the contractor, the cement (contractor's scope) shall be as per Technical specification, applicable IS Codes and description mentioned in the respective items of BOQ. Test certificates in respect of Cement for each consignment to be furnished and also to be tested as per FQP before use. The contractor shall submit the consumption statement of cement used in the works along with bill.</p>	<p>Ready mix cement concrete required for the items of works wherever specifically mentioned in Price schedule in BHEL's scope, shall be provided by BHEL and issued to contractor as free of cost (FOC) item at Batching Plant inside the plant premises. Bidder has to transport the concrete from batching plant to the location of work. Bidder to submit a receipt of concrete at batching plant based on the print out of batching. Reconciliation of quantity of concrete shall be done based on actual use of concrete at site.</p> <p>For all other concreting works, Concrete supply (including cement) is in the scope of contractor. For concrete supplied by the contractor, the cement (contractor's scope) shall be as per Technical specification, applicable IS Codes and description mentioned in the respective items of BOQ. Test certificates in respect of Cement for each consignment to be furnished and also to be tested as per FQP before use. The contractor shall submit the consumption statement of cement used in the works along with bill.</p>
2.0	Clause No. 3.5 VOLUME-IF-CML REV-00 TECHNICAL CONDITIONS OF CONTRACT (SUPPLY & SERVICE)	<p>Reinforcement Steel required for the tender scope shall be procured by BHEL and issued to contractor as free of cost (FOC) item except for those items wherever specifically mentioned in contractor's scope in BOQ.</p> <p>However, unloading, handling / storage of Reinforcement steel procured by BHEL for this tender scope, at site, inside BHEL Stores / Contractor's Stores and further transportation from Stores to work area will be in the scope of contractor. No Extra payment shall be made for this work.</p>	<p>Reinforcement Steel required for the items of works wherever specifically mentioned in Price Schedule in BHEL's scope, shall be procured by BHEL and issued to contractor as free of cost (FOC) item.</p> <p>However, unloading, handling / storage of Reinforcement steel procured by BHEL for this tender scope, at site, inside BHEL Stores / Contractor's Stores and further transportation from Stores to work area will be in the scope of contractor. No Extra payment shall be made for this work.</p>
3.0	Clause No. 3.6 VOLUME-IF-CML REV-00 TECHNICAL CONDITIONS OF CONTRACT (SUPPLY & SERVICE)	<p>Fabricated Structure Steel Supply: Structural Steel required for the tender scope shall be procured by BHEL and issued to contractor as free of cost (FOC) item, except for those items wherever specifically mentioned in contractor's scope in BOQ.</p> <p>All steel structures (vendor's scope supply) shall be fabricated in factory, transported and erected at site. All factory fabricated structures shall have bolted field connections. Chimney flue liners can either be fabricated at factory in segments, transported and welded at site before erection or fabricated at site. However, BHEL will issue required material at site only. For Chimney flue liners, to prevent flue gas leakages, the applicable field joints shall necessarily be welded. Structural Steel shall be fabricated at a suitable fabrication shop, outside the plant premises.</p> <p>BHEL will visit the fabrication shop of Contractor to examine its suitability for the scope of work involved. However, contractor's fabrication shop shall be adequately equipped to handle the scope of work involved within the given time schedule. Any modifications / alterations as required to carry out the works shall be done by contractor at his own cost. No claim / compensation for delay in works on this account will be admitted.</p> <p>Contractor shall designate separate areas inside its fabrication shop for storage of Raw Materials as well as fabricated materials for this tender's scope and materials supplied for this work shall solely be utilized for this tender's purpose only. Safety, Watch and Ward, Insurance of the materials procured, fabricated and stored inside fabrication shop and transit insurance shall be the responsibility of the contractor. No claims / compensation on account of damage / theft of materials which is in the custody of contractor shall be permitted.</p> <p>Contractor shall give due notice in advance to BHEL for Stage Inspection of the works being carried out at its fabrication shop as per the approved FOP. However, BHEL Engineer shall be entitled to visit the Contractor's Fabrication shop at any feasible time during the period of execution to examine the progress and quality of work. Contractor shall always maintain all such records and provide facilities / equipment / MMEs as required by BHEL's Engineer for inspection of works within the quoted rates.</p> <p>Fabricated Structural Steel shall be dispatched from the shop only after getting the due clearance from BHEL /Customer. Transportation of fabricated structure steel / Raw Structure Steel from shop to site, Unloading, Handling / storage, at site, inside BHEL Yard / Contractor's store, will be in the scope of contractor. No extra payment for unloading / handling / transportation shall be paid to contractor.</p>	<p>Structural Steel required for the items of works wherever specifically mentioned in Price Schedule in BHEL's scope, shall be procured by BHEL and issued to contractor as free of cost (FOC) item. All steel structures (vendor's scope supply) shall be fabricated in factory, transported and erected at site. All factory fabricated structures shall have bolted field connections. Chimney flue liners can either be fabricated at factory in segments, transported and welded at site before erection or fabricated at site. However, BHEL will issue required material at site only. For Chimney flue liners, to prevent flue gas leakages, the applicable field joints shall necessarily be welded. Structural Steel shall be fabricated at a suitable fabrication shop, outside the plant premises.</p> <p>BHEL will visit the fabrication shop of Contractor to examine its suitability for the scope of work involved. 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No claims / compensation on account of damage / theft of materials which is in the custody of contractor shall be permitted.</p> <p>Contractor shall give due notice in advance to BHEL for Stage Inspection of the works being carried out at its fabrication shop as per the approved FOP. However, BHEL Engineer shall be entitled to visit the Contractor's Fabrication shop at any feasible time during the period of execution to examine the progress and quality of work. Contractor shall always maintain all such records and provide facilities / equipment</p>
4.0	Clause No. 17.1 VOLUME-IF-CML REV-00 TECHNICAL CONDITIONS OF CONTRACT (SUPPLY & SERVICE)	<p>Ready Mix Concrete, Reinforcement (TMT bar), structural steel (MS plates, ISMB, ANGLE, CHANNEL, Chequered plate, Stainless Steel Plate / liner) for site fabrication only, Borosilicate Glass Blocks, required adhesives / membrane and primer for installation of Borosilicate Glass Block only will be issued free of cost by BHEL for use in the work covered in this contract. All other materials required for proper completion of job shall be provided by contractor and quoted rates shall be inclusive of this.</p>	<p>Ready Mix Concrete, Reinforcement (TMT bar), structural steel (MS plates, ISMB, ANGLE, CHANNEL, Chequered plate, Stainless Steel Plate / liner) for site fabrication only, Borosilicate Glass Blocks, required adhesives / membrane and primer for installation of Borosilicate Glass Block, whichever is specifically mentioned in Price Schedule in BHEL's scope, shall be issued free of cost by BHEL for use in the work covered in this contract. All other materials required for proper completion of job shall be provided by contractor and quoted rates shall be inclusive of this.</p>



FOR TENDER ONLY

**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>Construction of 4 nos 150 M Tall Single Flue RCC Chimney with Borosilicate Glass Block Lining System on MS Flue Can (excluding pile) at 4x250 MW BRBCL Nabinagar TPP FGD, Bihar.</i>
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	6.0 BHEL's TCN- 04, vide ref. no. PSER: SCT: NBN-C2080:TCN-04, Date: 07-11-2020.
	7.0 BHEL's TCN- 05, vide ref. no. PSER: SCT: NBN-C2080:TCN-05, Date: 07-11-2020.
	8.0 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).

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/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us 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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