



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 01**

Ref: PSER:SCT:SDG-M1219:TCN-01

Date: 05/07/2011

Sub	Tender change notice (TCN) 01	
Job	Material management work of Boiler & Auxiliaries , TG & Auxiliaries; Electrical System , C & I System , Non BHEL system , Cement , Steel etc. for 2x500 MW Sagardighi Power Project , Phase-II , Unit 3 & 4 , West Bengal	
Ref	1.0	Tender no PSER:SCT:SDG-M1219:11
	2.0	BHEL's NIT, vide ref no Ref: PSER:SCT:SDG-M1219 Dated 16/06/2011
	3.0	Other references (if any)

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

- 1.0 Due date of submission of offer is extended from 07/07/2011 to 14/07/2011 at 15-00 Hrs.
- 2.0 Price schedule format **VOLUME-II , Rev 00** has been revised as **VOLUME-II Rev 01** . Bidders are requested to submit their price in revised format only. Offer from bidders in superseded price schedules shall not be considered. Bidders are requested to furnish a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per revised price schedule format **VOLUME-II Rev 01** .
- 3.0 Clarifications to bidder's query as per Annexure-A to TCN-01.
- 4.0 Schedule of changes as per Annexure-B to TCN-02.
- 2.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached Format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

**ENGR (SCT)**

Encl

- 1.0 VOLUME-II Rev 01
- 2.0 Annexure-A to TCN-01.
- 3.0 Annexure-B to TCN-01.
- 4.0 Revised 'No deviation certificate' format.

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-01**

**CLARIFICATION TO BIDDERS QUERY**

**JOB:-** Material management work of Boiler & Auxiliaries , TG & Auxiliaries; Electrical System , C & I System , Non BHEL system , Cement , Steel etc. for 2x500 MW Sagardighi Power Project , Phase-II , Unit 3 & 4 , West Bengal

Sl. No	Reference Clause of Tender Document	Existing Provision	Bidders Query	BHEL's clarification
01	4.23.12 of Volume IF	Deployment of crane (75T/40T)	Are those cranes would be exclusively used for MM Job awarded to bidder? Who would have the control over use of those cranes bidder/BHEL? How long those cranes would be operated in a day?	Cranes will be exclusively used for MM Job awarded to bidder.  The crane shall be used by bidder as per direction of BHEL.  Crane shall be used as per actual requirement.
02	4.23.13 of Volume IF	payment shall be made to the contractor on prorated basis after adjusting downtime / Break down period	What amount may be deducted in case downtime of those cranes?	Downtime shall be calculated on prorated basis (of the contract rate) considering operation 12 Hrs per day.
03	4.23.12.3 of Volume IF	Truck mounted mobile crane with telescopic boom (of min length 30m) of capacity 40 T or more	Please confirm number of 40T crane required for this contract.	No. of 40T crane to be considered for this tender shall be one.
04	13.4.4 of Volume IF	The contractor shall provide <b>adequate nos. of PVC/ wooden sleepers of standard size</b> for stacking & storing of materials within the quoted rates.	As per Rate Schedule D, contractor has to supply <b>2000 nos. wooden sleeper of size 800mmx250mmx250mm.</b> Please clarify number, type (PVC /Concrete /Wooden) and size of sleepers to be supplied on billable basis.	Scope of supply of sleepers shall be one.
05	2.0 of Volume II	Consignment to be received at site by Rail	We have visited the project site and found that there is no raised platform alongside the railway siding. Moreover there is no space for stationing Cranes for unloading of consignments from rail. Please confirm whether consignments to be received at site by rail.	Normally cement shall be received by rail and approach is available for movement of truck.  Suitable crane approach shall be available for handling other item at railway siding , in case of requirement.
06		Open Store yard for stacking of plant	We have visited the project site and found that the	Levelled / Hard faced area shall be provided for

**ANNEXURE-A TO TCN-01**

**CLARIFICATION TO BIDDERS QUERY**

**JOB:-** Material management work of Boiler & Auxiliaries , TG & Auxiliaries; Electrical System , C & I System , Non BHEL system , Cement , Steel etc. for 2x500 MW Sagardighi Power Project , Phase-II , Unit 3 & 4 , West Bengal

		materials and cover store for stacking of cements	proposed open store yard is not prepared and is full of mud and is water logged. Further the cover stores are not available for stacking of cement and or other materials. BHEL must ensure that open store yard and cover stores are ready before arrival of consignment	storage of materials.
07		Security of materials	It is found from site visit that theft of materials is an alarming concern for this project. At present private security guards are being posted at site and it is not possible to prevent theft by using private security guards. Whether BHEL would ensure posting of police force from State/Central authority for security related issue at site?	While BHEL shall provide securities, it shall be responsibility of the contractor to safeguard materials unloaded by them /in their custody.

## **ANNEXURE-B TO TCN-01**

### **SCHEDULE OF CHANGES**

**JOB:-** Material management work of Boiler & Auxiliaries , TG & Auxiliaries; Electrical System , C & I System , Non BHEL system , Cement , Steel etc. for 2x500 MW Sagardighi Power Project , Phase-II , Unit 3 & 4 , West Bengal

1. Providing concrete sleepers as Sl. no. D. of rate schedule (VOL-II) stands deleted. BHEL shall provide sleepers ( Free of cost ) for storage of materials at storage yard.
2. The 75 T Crane as per C 1.0 of rate schedule (VOL-II)(Deployed by the contractor ) shall be released on expiry of contract or after expiry of 36 months deployment period whichever is later.
3. The 40 T crane as per C 2.0 of rate schedule (VOL-II) (Deployed by the contractor) of rate schedule may released after expiry of contract period or expiry of 36 months deployment period whichever is later as per discretion of CM , BHEL.

However , if the crane is retained as per instruction of CM , BHEL, then monthly payment shall be made by BHEL as per quoted rate for the extended period.

4. BHEL's 75T/100T crane as per ANNEXURE-III shall be available as per following conditions
  - a) For direct unloading of materials at erection site as per instruction of CM, BHEL.
  - b) For item which can not be handled with the 75 T Crane deployed by the contractor at storage yard.
5. HP turbine is excluded from the scope of this contract.

<b>VOLUME-II PRICE SCHEDULE, REV-0</b>	
<b>Material management work of boiler &amp; auxiliaries, TG &amp; auxiliaries, electrical system, C&amp;I system, non-BHEL system, cement, steel etc for 2x500 MW unit at WBPDC Sagardighi TPP, WB.</b>	
<b>TENDER NO - PSER:SCT:VIZ-M1140:10</b>	
<b>PREAMBLE</b>	
1.0	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with other volumes of tender as applicable.
2.0	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
3.0	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4.0	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
5.0	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or to be deleted altogether. The quoted/ accepted rates shall remain firm and valid as long as variation in total value of work executed under this contract including extra items, but excluding any price escalation, remains within +/-15% (Fifteen percent) of the contract price given in the LOI/ WO.
6.0	The rates quoted shall be inclusive of cleaning of site, including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same.
7.0	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
8.0	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted.
9.0	The tender shall be deemed to have studied the specifications, details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
10.0	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
11.0	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.

<b>RATE SCHEDULE,Rev.01</b>					
<b>Material management work of boiler &amp; auxiliaries, TG &amp; auxiliaries, electrical system, C&amp;I system, non-BHEL system, cement, steel etc for 2x500 MW unit at WBPDCS Sagardighi TPP, WB.</b>					
<b>TENDER NO - PSER:SCT:SDG-M1219:11</b>					
<b>SL NO</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>		<b>RATE (Rs)</b>	<b>AMOUNT (Rs)</b>
<b>A</b>	<b>CEMENT AND STEEL</b>				
1.0	Receipt/ taking delivery of materials, unloading from trucks/ trailers/wagon/rake at BHEL Sagardighi TPP site stores/ store yard, shifting and stacking, including verification, at site stores/ storage yard/ BHEL's vendor stores, issue/ handing over to BHEL's erection contractor as directed by BHEL and as per scope given in tender specifications for each item as given below.				
a.	Structural steel.	24000	MT		
b.	Reinforcement steel.	12000	MT		
c.	Cement.	80000	MT		
2.0	Materials re-shifting.				
a.	Structural steel.	1000	MT		
b.	Reinforcement steel.	1000	MT		
c.	Cement.	3000	MT		
3.0	Materials re-stacking.				
a.	Structural steel.	1000	MT		
b.	Reinforcement steel.	1000	MT		
c.	Cement.	3000	MT		
<b>B</b>	<b>EQUIPMENTS AND OTHER MATERIAL OTHER THAN STEEL AND CEMENT</b>				
1.0	Receipt/ taking delivery of materials (except generator transformer / station transformer / Unit auxiliary Transformer ) at Sagardighi plant, unloading from trucks/ trailers, shifting to site stores/ storage yard/ work site, verification, stacking, storage & issue/ handing over to BHEL's erection contractor, of boiler & aux, TG & aux, C&I of boiler & TG, piping, insulation, BOP/ BOI packages/ items and various other items, materials/ components, including providing services for materials management as detailed in tender and as directed by BHEL engineer, for 2x500 MW unit at WBPDCS Sagardighi TPP, WB.	90000	MT		
2.0	Receipt/ taking delivery of materials (except generator transformer / station transformer / Unit auxiliary Transformer ) at Sagardighi plant, unloading from railway wagons, shifting to site stores/ storage yard/ work site, verification, stacking, storage & issue/ handing over to BHEL's erection contractor, of boiler & aux, TG & aux, C&I of boiler & TG, piping, insulation, BOP/ BOI packages/ items and various other items, materials/ components, including providing services for materials management as detailed in tender and as directed by BHEL engineer, for 2x500 MW unit at WBPDCS Sagardighi TPP, WB.	10000	MT		

SL NO	DESCRIPTION	QUANTITY	RATE (Rs)	AMOUNT (Rs)
3	Receipt/ taking delivery of materials(except generator transformer / station transformer / Unit auxiliary Transformer ), unloading from wagon at Sagardighi/Azimganj railway station or railway godown at sagardighi/Azimganj (approx. 50 KM from site), reloading and transportation to stores/ store yard/ work site, unloading, shifting and stacking, including verification, at site stores/ storage yard/ work site as directed by BHEL & issue/ handing over to erection contractor as per scope of tender specification.	1000	MT	
3.0	Receipt/ taking delivery of materials (except generator transformer / station transformer / Unit auxiliary Transformer ) at transport company's godown at Sagardighi or within 50 KM radius from the plant, reloading and transportation to stores/ store yard/ work site, unloading, shifting and stacking, including verification at site stores/ storage yard/ work site as directed by BHEL including issue/ handing over to erection contractor as per scope of tender specification.	250	MT	
4.0	Materials re-shifting.	5000	MT	
5.0	Materials re-stacking.	5000	MT	
6.0	Average single man hour rate including overtime, If any, supervision, use of required tools and tackles and other site expenses and incidentals including consumables/ preservatives for carrying out up-keepment, maintenance and preservation/ conservation work as per instruction of BHEL and as per scope given in tender specification.	35000	MAN-HR	
7.0	Unloading of generator transformer/ station transformer/unit auxiliary Transformer (Approx weight 110~180 MT) from truck at Sagardighi plant, unloading, transporting it to stores/ store yard/ work site including verification at site stores/ storage yard/ work site as directed by BHEL including issue/ handing over to erection contractor as per scope of tender specification.	1500	MT	
c.	<b>DEPLOYMENT CHARGES FOR CRANES</b>			
1.0	Monthly Charge for deployment of 75T Crane	36	Month	
2.0	Monthly Charge for deployment of 40T Crane	36	Month	
D	Receipt/ taking delivery of materials, unloading from trucks/ trailers at BHEL, Sagardighi site stores/ store yard, shifting and stacking, Including verification, at site stores/ storage yard as directed by BHEL and as per scope given in tender specification for each items as given below.			
D.1	Group-D (Construction equipment).	20	MT	
D.2	Group-E (Furnitures).	5	MT	
<b>TOTAL</b>				
NOTE				
1	Re-shifting: If during execution of work, any material which is already unloaded verified, stacked at store yard/ store/ work site as per instruction and satisfaction of BHEL site authority, need to be re-handled/ re-shifting and restacked beyond 250 mtr at any other place within project premises, all the relevant activities for above shall be termed as re-shifting and is included in the scope of work.			

SL NO	DESCRIPTION	QUANTITY	RATE (Rs)	AMOUNT (Rs)
2	Re-stacking: If during execution of work, any material which is already unloaded, verified, stacked at store yard/ store/ work site as per instruction and satisfaction of BHEL site authority, need to be re-handled/ re-shifted within 250 mtr and re-stacked all the relevant activities for above shall be termed as re-stacking which is included in the scope of work.			

**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	Material management work of Boiler & Auxiliaries , TG & Auxiliaries; Electrical System , C & I System , Non BHEL system , Cement , Steel etc. for 2x500 MW Sagardighi Power Project , Phase-II , Unit 3 & 4 , West Bengal	
Ref	1.0	Tender no PSER:SCT:SDG-M1219:11
	2.0	BHEL's NIT, vide ref no Ref: PSER:SCT:SDG-M1219 Dated 16/06/2011
	3.0	BHEL's TCN-01 vide ref. no. PSER:SCT:SDG-M1219:TCN-01 Dated 05/07/2011
	4.0	Other references (if any).

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 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)