



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 02**

Ref: PSER:SCT:MDC-H1676:TCN-02

Date: 17-06-2015

Sub	Tender change notice (TCN) 02	
Job	Erection of lower pit liner, pipes, embedment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit of <b>4x180 MW Mangdechhu Hydro Electric Project MHPA, Bhutan</b>	
Ref	1.0	Tender no PSER:SCT:MDC-H1676:15
	2.0	BHEL's NIT, vide reference no:PSER:SCT:MDC-H1676:15: 4494 , Date : 29/5/2015
	3.0	BHEL's TCN-01 ref : PSER:SCT:MDC-H1676:TCN-01 dated 10/06/15
	4.0	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 Addition/Modification as per [ANNEXURE-A to TCN-02](#) .
- 2.0 BHEL clarification to Bidder's query as per [ANNEXURE-B to TCN-02](#).
- 3.0 Revised Volume-III,Price Schedule , Rev-01 superseding earlier version Revised Price schedule format VOL-III-Price Schedule , Rev-00 .  
**Bidders are requested to submit their offer as per revised Price Schedule ( Rev-01 ) only . Offer from bidders in superseded price schedule (Vol-III,REV-00) shall not be considered. Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per REVISED price schedule format (VOL-III; PRICE SCHEDULE, REV-01).**
- 4.0 Revised '[No deviation certificate](#)' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 5.0 All other terms & conditions shall remain unchanged.

Thanking you

Yours faithfully,  
for BHARAT HYEAVY 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 : 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	Erection of lower pit liner, pipes, embedment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit of 4x180 MW Mangdechhu Hydro Electric Project MHPA, Bhutan	
Ref	1.0	Tender no PSER:SCT:MDC-H1676:15
	2.0	BHEL's NIT, vide reference no: PSER:SCT:MDC-H1676:15: 4494 , Date : 29/5/2015
	3.0	BHEL's TCN-01, vide reference PSER:SCT:MDC-H1676:TCN-01, dated. 11-06-2015
	4.0	BHEL's TCN-02, vide reference PSER:SCT:MDC-H1676:TCN-02, dated. 17-06-2015
	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)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

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## ANNEXURE-A to TCN-02

### *Tender No. PSER:SCT:MDC-H1676:15*

Cl No 5.2, Terms of Payment (Tender Specification and Special Conditions of Contract document ) is modified as under:

Contractor should submit his monthly on account bills with all the details required by BHEL on specified date every month covering progress of work in all respects and areas from the 25<sup>th</sup> of previous calendar month to 24<sup>th</sup> of the current month. The contractor shall submit his bills once in a month duly furnishing the following information.

- i) Work order no and date.
- ii) Challan no and date.
- iii) Truck/ trailer/ wagon no.
- iv) Consignment no and date
- v) Work completion report wrto challan.
- vi) Description of materials.
- vii) No of packages as per shipping docs/ challan/ consignment note.
- viii) Gross weight (MT) as per shipping docs/ challan/ consignment note.
- ix) Location of material.
- x) Amount claimed.
- xi) Recoveries such as hire charges, demurrage, fine/ penalty etc, if any.

The RA bill, complete in all respects accompanied by BHEL engineer's certificate/ jointly signed measurement sheet will be paid, as indicated elsewhere, subject to its completeness & correctness in all respects. The measurement will be taken by BHEL engineer as per relevant clause of GCC and certify regarding the actual work executed in the measurement book and bills for work. All admissible recoveries/ adjustments etc shall be made from the interim payable amount of each RA bill on completion of item of work. Contractor shall make his own arrangement for making payment of impending labour wages and other dues in the meanwhile.

For S.No.1 OF SCH-1 of the rate schedule, interim payment shall be made based on Rate per MT (Rs.) as given in SCH-1 of the rate schedule multiplied by the weight of the consignment handled, as per following breakup

a) On Receipt, unloading, storing, stacking, verification etc	60%
b) Documentation and submission of record to BHEL	20%
c) Reconciliation, Installation/ handing over	
balance material to BHEL	20%

Weight of the Consignment handled shall be the Gross Weight as indicated in the Packing List of BHEL's Manufacturing Unit.

The above break up is for the purpose of progressive payment and should not be construed as total scope of work. The total scope of work is as detailed in this tender document and shall be completed by the contractor without making any reference to the following break-up.

## **ANNEXURE-A to TCN-02**

### ***Tender No. PSER:SCT:MDC-H1676:15***

Retention Amount shall be as per Cl. No. 5.6 of Volume IF.

1.5 % of gross bill amount shall be paid in the following manner on certification by BHEL engineer after compliance of each of following activity in each month. In case of non-fulfilment of respective activity by vendor in each month, no payment shall be made by BHEL against corresponding activity and no claim of bidder at a later date, whatsoever, in this regard shall be entertained by BHEL.

0.7 % shall be paid on compliance of house keeping of vendor's working area and store/ office areas.

0.3 % shall be paid on compliance of general illumination of vendor's working area and stores, office area.

0.2 % shall be paid on compliance of applicable HSE/OHSAS requirement as per guideline of BHEL/ PSER and as specified in the tender

0.3 % shall be paid on compliance of applicable Safety requirement as per guidelines of BHEL/ PSER and as specified in the tender.

After completion of works, reconciliation of materials shall be done and balance materials in custody of the contractor shall be returned to BHEL store.

Contractor's RA bill, complete & correct in all respects, certified by BHEL engineer, shall be paid as per Cl No 4.0 of Vol-1F.

BHEL at its discretion may further split up the above percentages and effect payment to suit the site condition, cash flow requirement and according to the progress of work.

## ANNEXURE-B to TCN-02

**Tender No. PSER:SCT:MDC-H1676:15**

Sl. No.	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
01.	Cl.No.4.2.2.16, page 12 of S.C.C, Vol-1D	Obligations in respect of Cranes provided by BHEL	Details of Cranes like capacity, EOT Crane/Mobile crane as made available by BHEL for execution of this work is to be clarified.	As per Technical Specification (Volume 1 F, Page 4), EOT crane of 35 T capacity shall be available in the power house free of charge. However operator for same shall be arranged by the contractor. All other handling equipment are in contractor's scope.
02.	Vol.I(F) –Section –I, Cl.No.2.0 – Sl.No.7 of Note – Page-5	All the T&P and consumables required for the works under the scope shall be provided by contractor except test devices of distributor which will be supplied by BHEL plant	The test devices includes all bulk heads, HST pump & piping its fittings, valves, pressure gauges etc., complete to conduct HST shall be provided by BHEL free of cost	These items shall be provided by BHEL as free issue items on returnable basis.
03.	Vol.III,R0, SCH-1		<p>The 'receipt, unloading, storage of materials as defined in Volume-II, Section-I, Scope of Work in S.No.2(iii)' given as 600 MT.</p> <p>Please furnish the weight of each part/ package/ component to be unloaded and stacked at BHEL stores.</p> <p>The weight of package to be installed are to a tune of 307 MT. But, the quantity to be handled at stores given as 600 MT. Please forward the sizes, weight and the description of such part/package to be unloaded.</p>	<p>Total tentative quantity of materials to be handled, including erectable materials, is 600 MT, however it may vary.PI refer revised Vol-III, R01 attached alongwith TCN-02.</p> <p>The heaviest component to be handled is as below: Distributor Segment with following approximate weight &amp; dimension): Weight 29000 Kgs Dimension 5000 mm (L) x 1000 mm (W) x 1000 mm (H)</p> <p>The total BOM is given in the drawings contained in Volume 1 F, Technical Specification.</p>

**ANNEXURE-B to TCN-02**

**Tender No. PSER:SCT:MDC-H1676:15**

Sl. No.	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
04.	Vol.IB-GCC – Clause No.2.10	Time of Completion	Activity wise (Unit wise) time schedule not provided in bid document .	Tentative start date of Work is July 2015. Total completion time is given in the tender (Volume 1 F). The Contractor to prepare activity wise schedule within ten days from receipt of LOI and submit to BHEL for approval.
05.	Vol IF, Clauses 6.1 and 6.2, Pages 16 and 17	<p>Cl 6.1 of Vol1F :-All taxes, charges, royalties, duties, octroi etc and other taxes <b>in India and / or Bhutan</b> for materials obtained for the work and for the execution of the contract shall be borne by you and shall not be payable extra, except Indian Service Tax and applicable Educational Cess. Any increase of the rate of the existing taxes or imposition of any new tax at any stage during execution of the contract shall have to be borne by you. Accepted rates / price of shall be inclusive of all such requirements.</p> <p>Cl 6.2 of Vol1F: New tax &amp; duties, if imposed subsequent to latest due date of offer submission, as per NIT &amp; TCN, as applicable, by statutory authority after due date of submission of latest price offer and within the contract period including extension, if any (provided reason for extension is not attributable to you), shall be reimbursed by BHEL at actual on production of relevant supporting document to the satisfaction of BHEL. However, you shall obtain prior approval from BHEL before depositing new taxes &amp; duties</p>	Both Clauses 6.1 and 6.2 are contradictory. Please clarify the same.	<p>Following stands deleted from 5<sup>th</sup> and 6<sup>th</sup> lines of clause 6.1</p> <p><i>"or imposition of any new tax"</i></p>

**ANNEXURE-B to TCN-02**

***Tender No. PSER:SCT:MDC-H1676:15***

Sl. No.	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
06.	Vol 1F, Section III, Clause nos. 5.4 and 5.5		—	Stands deleted.

**VOLUME-III  
PRICE SCHEDULE -REV-01**

**Erection of lower pit liner, pipes, embedment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit Of 4x180 MW Mangdechhu Hydro Electric Project MHPA, Bhutan**

**TENDER NO - PSER:SCT:MDC-H1676:15**

**PREAMBLE**

1	This preamble forms part of tender document and schedule of items. The bidder should read this preamble carefully for various items. Clauses under this preamble shall be read in conjunction with applicable volumes of Volume-IA, Volume-IB, Volume-IC, Volume-ID, Volume-IF, Volume-II, other part of this volume, together with subsequent changes/ modifications, etc thereto as applicable as on latest date of submission of price offer.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	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(except service tax), 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 complete tender document and this schedule.
5	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 be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within fifteen percent ( $\pm 20\%$ ) of the awarded price as per LOI .
6	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item.
7	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill.This condition shall not be applicable where the tender is finalised through Reverse Auction.
8	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
9	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing , clearing of old structures and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same.
10	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.
11	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.
12	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
13	No splitting of the job is envisaged. Decision of BHEL in this regard shall be final and binding to the bidders.
14	Bidders are not allowed to alter the Price Schedule format including item description,quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them.BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/alterd by them.
15	Bidders to note that for Civil &/Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No.(i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate ,if the bidder becomes L-1."
16	In case of Lumpsum contracts, addition or deletion of the scope beyond the variation limit specified shall be derived from the quoted Lumpsum price and the tendered scope of work considering the allowable variation limit.
17	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.
18	In case of tender for Civil and/or Structural works , the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule.
19	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
20	Bidder's GRAND Total price shall be considered for evaluation unless stated otherwise.
21	In case of BOP packages, if Bidder does not quote/indicate the price for freight chagses against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered.

**VOLUME-III  
PRICE SCHEDULE, REV-01**

**Erection of lower pit liner, pipes, embedment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit Of 4x180 MW Mangdechhu Hydro Electric Project  
MHPA, Bhutan**

**TENDER NO - PSER:SCT:MDC-H1676:15**

**( SUMMARY SHEET )**

<b>SI. NO</b>	<b>DESCRIPTION</b>	<b>TOTAL PRICE (IN Rs. )</b>
1	TOTAL PRICE FOR SCH-1(in Rs)	
2	TOTAL PRICE FOR SCH-2 (in Rs)	
3	<b>GRAND TOTAL (To be considered for evaluation)</b>	

**NOTE :Only authorised persons of bidder having power of attorney should sign in the price bid. All the four pages must be signed and stamped.**

VOLUME-III PRICE SCHEDULE, REV-01					
Erection of lower pit liner, pipes, embeddment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit Of 4x180 MW Mangdechhu Hydro Electric Project MHPA, Bhutan					
TENDER NO - PSER:SCT:MDC-H1676:15					
SCH-1					
ITEM NO	DESCRIPTION OF ITEM	UNIT	QTY	UNIT RATE	AMOUNT(Rs)
1	Receipt from Trucks/ railors,unloading, transportation to storage yard, storage of materials including storing/stacking at about 2 feet above ground on sleepers (to be suopplied by the contractor) as per norms and as defined in Volume – IF, Section – I, Scope of Work in S.No. 2(iii) and elsewhere in the tender specification for 4x180 MW Mangdechhu HEP, Bhutan	MT	600		
2	Reshifting as required/ diected for the work specified in the Tender specification for 4x180 MW Mangdechhu HEP, Bhutan	MT	30		
3	Re-stacking as required/ diected for the work specified in the Tender specification for 4x180 MW Mangdechhu HEP, Bhutan	MT	20		

<b>Note: Bidder to note the following for quoting their rates.</b>
A) <b>Re-shifting:</b> 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 beyond 250 metre 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.
B) <b>Re-stacking:</b> 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 metre and re-stacked at any other place within project premises, all the relevant activities for above shall be termed as re-stacking which is included in the scope of work.
C) <b>The details of tonnage to be handled shall be as per Annexure-I, Annexure-II and Annexure-III</b>
D) <b>Any material other than those specified in the specification, may come to site and the same shall have to be handled/ unloaded/ stacked and verified. The rate of payment for such extra materials shall be as per the unit rate quoted above.</b>

**VOLUME-III  
PRICE SCHEDULE, REV-01**

**Erection of lower pit liner, pipes, embedment in first stage of unit-1 to 4 & assembly & testing of distributor alongwith associated works for one unit Of 4x180 MW Mangdechhu Hydro Electric Project MHPA, Bhutan**

**TENDER NO - PSER:SCT:MDC-H1676:15**

**SCH-2**

<b>ITEM NO</b>	<b>DESCRIPTION OF ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>UNIT RATE (Rs)</b>	<b>AMOUNT(Rs)</b>
1	Lumpsum total prices for the scope of work as defined in Volume – IF, Section – I, Scope of Work in S. No. 2(i) and 2 (ii) for units 1, 2, 3 and 4	LS	4		
2	Lumpsum total prices for the scope of work as defined in Volume – IF, Section – I, Scope of Work in S. No. 2(iv) for one unit	LS	1		
<b>TOTAL</b>					