

BHARAT HEAVY ELECTRICALS LTD.**(TRANSMISSION BUSINESS GROUP)****TERMS AND CONDITIONS FOR INDIGENOUS TENDER ENQUIRY**

This Format is to be submitted in original duly signed by bidder. Deviation, if any, is to be brought out clearly in Schedule of Commercial Deviation giving clause-wise deviation. Any condition / clarification / deviation mentioned elsewhere may not be accepted.

Sr. No.	Standard Terms & Conditions	Enquiry No.- 264E228 dated 07.02.15 Due On:10.03.15
1.	<p>INSTRUCTION TO BIDDERS:</p> <p>a) Sealed quotations are invited for the items mentioned in the enquiry. Quotations should be typed and free from over writing and erasures. Corrections or additions must be clearly written both in words and figures and attested, otherwise offer shall be liable for rejection.</p> <p>b) Bidder must ensure that their quotation is received / dropped in the tender box on or before 14:00 Hrs of the due date of opening.</p> <p><u>Material Management Division</u></p> <p><u>Transmission Business Group</u></p> <p><u>Tower A, 5th Floor, BHEL, Advant Navis IT Business Park</u></p> <p><u>Plot No 7, Sector - 142, Express way Noida</u></p> <p><u>Noida -201305</u></p> <p><u>DISTT- GAUTAM BUDH NAGAR, UP</u></p> <p>c) The same shall be opened at 14:30 Hrs. on the same day. Tenders received late may be rejected. Bidders sending tenders by courier or post, to ensure that it is delivered one day before as same day delivery may not reach above office by due time.</p> <p>d) Bids are to be submitted in Two parts:</p> <p>i) Techno-commercial bid (Part-I): To be submitted in duplicate. A copy of price bid (Part-II) "without prices" is also to be enclosed in Part-I bid.</p> <p>ii) Bidder to strictly ensure submitting the price bids in BHEL format of Rate Contract or as per project requirement.</p> <p>iii) Price bid (Part-II): To be submitted only in one copy in a separate sealed envelope. This should not contain any Technical or Commercial Terms. The rates should be quoted both in figures and words. In case of any difference between figures and words, the quoted rate in words shall prevail over figure. Further in case of difference between unit rate & total price, unit rate in words shall prevail over total price.</p> <p>Both Part-I and Part-II bids are to be sealed in separate envelope and both envelopes to be kept in another common envelope. Each envelope should be sealed and superscribed with enquiry no., item / package name, project name (if any) and due date of opening.</p> <p>e) For any technical clarification please contact :</p>	

Sr. No.	Standard Terms & Conditions	Enquiry No.- 264E228 dated 07.02.15 Due On:10.03.15
	<p>Shri Vinay Anand, Sr. Engineer (TBEM) BHARAT HEAVY ELECTRICALS LIMITED TRANSMISSION BUSINESS GROUP TOWER A, 5TH FLOOR, ADVANT NAVIS IT BUSINESS PARK, PLOT NO-7, SECTOR-142, EXPRESSWAY NOIDA, NOIDA-201305, DISTT- GAUTAM BUDH NAGAR, UP, INDIA Phone : 0120 – 6748547 E-mail : vinayanand@bhel.in</p> <p><u>For any Commercial clarification, please contact:</u></p> <p>SH. S.C. SHIVHARE, SR. MGR.(TBMM) BHARAT HEAVY ELECTRICALS LIMITED TRANSMISSION BUSINESS GROUP TOWER A, 5TH FLOOR, ADVANT NAVIS IT BUSINESS PARK, PLOT NO-7, SECTOR-142, EXPRESSWAY NOIDA, NOIDA-201305, DISTT- GAUTAM BUDH NAGAR, UP, INDIA Phone : 0120-6748473 / 0120-6748471 Email: shashirai@bhel.in / scshivhare@bhel.in / a.kumar@bhel.in</p> <p>f) Price bid should contain only rates / prices, otherwise bid shall be liable for rejection.</p> <p>g) Price bid submitted along with the bid shall remain valid up to validity of offer. Unsolicited Supplementary / Revised price bid submitted during validity period of offer, unless asked by BHEL, shall not be considered. Withdrawal of quotation by the bidder, at any stage after its opening, may entail blacklisting of vendor.</p> <p>h) Enquiry condition for where the scope against this tender includes Installation and Commissioning of the equipment / material:</p> <p>There will be separate contract awarded for Supply portion and Site execution portion. For Supply portion Commercial Terms and Conditions mentioned herein shall be applicable & for Site execution portion Terms and Conditions for Installation services shall be applicable. However, any breach in either of the contracts shall be deemed as the breach of other contract also.</p>	
2.	<p>PRICES:</p> <p>A. The prices to be quoted are with PVC with following formula :</p> <p>PVC as per IEEMA as applicable as on date of dispatch. Present PVC formula as per Annexure – II.</p> <p>The base indices in the formula shall be of first notification of IEEMA of the month one Month prior to Scheduled Techno – Commercial Bid opening. The date of delivery shall be P. O. Delivery Date or Date of Actual Dispatch, whichever is earlier.</p> <p>B. The prices shall be on domestic basis.</p> <p>C. The prices are to be quoted on Ex-works basis. The break-up of prices shall be as under : -</p> <p>a) Ex-works Price: Ex-Works price including packing & forwarding Charges.</p> <p>b) Excise Duty: Extra as applicable to be quoted as percentage in both un-price bid and price bid.</p>	

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	<p>c) Sales Tax: ST / VAT / CST (against C form) as applicable to be quoted extra as percentage in un-priced and price bid. In case of inter-state sale-in-transit supplier/vendor will have to provide E1/E2 form.</p> <p>d) Entry tax / Octroi Charges: Any Entry tax / Octroi applicable at destination / destination state shall be paid extra on proof of such payment.</p> <p>e) Freight & Insurance: Freight and Transit Insurance for door delivery up to destination/site is to be quoted.</p> <p>Note: The purchase order shall be placed on Ex-works basis.</p> <p>“BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.</p> <p>In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit ‘online sealed bid’ in the Reverse Auction. Non-submission of ‘online sealed bid’ by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.”</p> <p>Further to above clause, please refer attached Annexure I for Terms & Conditions Of Reverse Auction Page 1 & 2)</p>	
3.	<p>TERMS OF PAYMENT:</p> <p>100% payment along with taxes, duties, Freight & Insurance within 60 days (45 days for MSE Vendor) from the date of receipt of complete invoice in TBG, BHEL with following documents in 3 sets (Original + 2 copies).</p> <ul style="list-style-type: none"> • LR duly endorsed in the name of Customer by BHEL-Site • Material Receipt certificate issued by Site as per attached format • Excise invoice (where ED re-imburement is required) • Packing List (Case-wise) • Copy of Performance Bank Guarantee • Transit insurance Certificate from insurance Comp or intimation of Transit Insurance duly endorsed by insurance Comp. • MICC issued by BHEL • Guarantee Certificate 	

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4.	INTEREST LIABILITY: In case of any delay in payment due to any reason, BHEL shall not pay any interest on delayed payment.	
5.	GUARANTEE: The equipment / material shall be guaranteed for 18 months from the date of delivery or 12 months from the date of commissioning, whichever is earlier. The defective material / component shall be replaced free of cost at site.	
6.	PERFORMANCE BANK GUARANTEE: Supplier shall submit BG within 30 Days of P.O. placement for a value of 2% of Ex-works value of Purchase Order Rev-0 and valid for a period of 18 months + 3 months claim period (i.e. Total 21 months) from the date of last delivery.	
7.	INSPECTION: BHEL / customer / Third party shall inspect equipment / material before despatch. Stage inspection during manufacturing may also be carried out. Material to be despatched only after getting Despatch Clearance from BHEL. Supplier shall send inspection call on prescribed format only, with an advance notice of 15 days. Vendor shall forward all inspection and test reports for issue of MICC by BHEL. Road Permit Form request should also be given along with Inspection call.	
8.	DESPATCH DOCUMENTS: Following despatch documents are to be immediately sent to purchaser on despatch: <ul style="list-style-type: none"> • Copy of LR • Packing List (Case-wise) • Insurance Certificate • Guarantee Certificate 	
9.	DELIVERY PERIOD: Bidder to specify the delivery period in weeks from the date of LOI / PO in the Activity Schedule Format enclosed with enquiry. Time for conduction of type test, if required, is to be separately indicated. Note: LR date or Invoice date whichever is later shall be considered as delivery date.	
10.	DELAYED DELIVERY: In case of delay in execution of order beyond the lot wise contractual delivery, an amount of ½ % of total Ex-Works Value of Delayed Lot per week or part there-of subject to maximum of 10% Ex-Works Value of Delayed Lot will be levied.	
11.	VALIDITY: The offer shall be valid for 120 days from the due date of opening.	
12.	QUANTITY VARIATION: Quantity may change to the order of +/- 30 %.	

Sr. No.	Standard Terms & Conditions	Enquiry No.- 264E228 dated 07.02.15 Due On:10.03.15
13.	<p>ACCEPTANCE / REJECTION OF TENDER: BHEL reserves the right to reject in full or part, any or all tender without assigning any reason thereof. BHEL also reserves right to vary the quantities mentioned in the tender.</p>	
14.	<p>EVALUATION: Comparative statement shall be prepared based on quantity basis unless otherwise indicated in the enquiry. Evaluation of offers shall be done on the basis of delivered cost to BHEL.</p>	
15.	<p>DEVIATION: The bids having deviation(s) w.r.t. tender are liable for rejection. However, BHEL, at its discretion, may load the prices for evaluation of offer as per Loading Criteria for identified deviations mentioned in clause No. 24.</p>	
16.	<p>ARBITRATION: All cases of disputes emanating from and relating to this contract shall be referred to the sole arbitration of Unit Head / GM, BHEL or any other person nominated by him(including an employee of BHEL, even though he had to deal with the matter relating to this contract in any manner) to act as sole arbitrator. The arbitration shall be in accordance with 'The Arbitration and Conciliation Act 1996' and the rules there under as amended from time to time. The arbitrator shall give a reasoned award. The decision of the arbitrator shall be final & binding upon both the parties. The venue of arbitration shall be Delhi.</p>	
17.	<p>LEGAL SETTLEMENT: Subject to clause 17 hereinabove this contract shall be subject to exclusive jurisdiction of courts at Delhi.</p>	
18.	<p>SUBCONTRACTING : In case further subcontracting of BHEL order or part thereof is envisaged by supplier, the same can be done after written permission is obtained from BHEL. However it shall not absolve the supplier of the responsibility of fulfilling BHEL purchase order requirements.</p>	
19.	<p>RISK PURCHASE : In case the successful bidder fails to supply or fails to comply with the terms & conditions of the purchase order, BHEL reserves the right to source such material/ component / equipment/ system from any other agency at the risk and cost of the successful bidder.</p>	
20.	<p>ADJUSTMENT OF RECOVERY : Any amount payable by the supplier under any of the condition of this contract shall be liable to be adjusted against any amount payable to the supplier under any other works / contract awarded to him by any BHEL unit. This is without prejudice to any other action as may be deemed fit by BHEL.</p>	
21.	<p>FORCE MAJEURE CONDITION : If by reason of war, civil commotion, act of god, Government restrictions, strike, lockout which are not in control of supplier the deliveries are delayed, supplier shall not be held responsible.</p>	

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22.	TECHNICAL SPECIFICATION : TB STD.F BOLTS-618-002b REV. 02	
23.	QUALITY PLAN : For Projects from PGCIL & NTPC, the standard QAP of Foundation Bolt of respective customer would be applicable. Vendor to submit the following documents along with offer: f) Valid PGCIL approval along with approved MQP by POWERGRID ii) Copy of PGCIL approved QP.	
24.	LOADING CRITERIA FOR DEVIATIONS TAKEN BY BIDDER ON: <u>25.1.TERMS OF PAYMENT:</u> If a bidder asks for payment within specified no. of days from the date of receipt of invoice with complete documents as per “Terms of Payment” at sr. No. 3 above, loading to be done as follows: a) Base rate of SBI (as applicable on the date of techno commercial bid opening) + 6 % shall be considered for loading for the period of relaxation sought by the bidder. b) 60 days - No loading <u>25.2. DELAYED DELIVERY / PENALTY DUE TO DELAYED DELIVERY:</u> Loading for not accepting this clause / accepting only on un delivered portion shall be the maximum amount specified in this clause. <u>25.3 GUARANTEE:</u> Normally BHEL will not accept deviation against this clause and offer may be ignored on this deviation, however If the offered guarantee period is less than the tender guarantee period the ex- works prices shall be loaded for the difference in the period (higher of the difference with respect to guarantee required from date of delivery and date of commissioning) @ 2.5 % per year for number of months(fractional months to be rounded off to next higher)	
25.	<p>“MSE suppliers can avail the intended benefit only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure - 1) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or Small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bid at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents”.</p>	
26.	Pre- Qualification Criteria: a) The vendor/Manufacturer should have valid MQP number approved by POWERGRID. b) New Vendor, which is not registered in POWERGRID, has to get themselves approved from POWERGRID directly. c) Vendor has to follow technical specification.	

ACTIVITY SCHEDULE FOR FOUNDATION BOLT

Enquiry No.- 264E228 Dated:- 07.02.15

Due on- 10.03.2015

SL. NO.	ACTIVITY	TIME ALLOTTED [in weeks]	CUMULATIVE TIME FROM RECEIPT OF INPUTS FROM BHEL [in weeks]	SCOPE
1.	Submission of Documents necessary for getting manufacturing clearance like drawings, Data sheet	NA	NA	NA
2.	Approval of documents from BHEL/Customer	NA	NA	NA
3.	Manufacturing Time			BY SUPPLIER
4.	Inspection call			BY SUPPLIER
5.	Inspection by BHEL/Customer			BHEL SCOPE
6.	Issue of Dispatch clearance			BHEL SCOPE
7.	Dispatch			BY SUPPLIER

1. Inspection call to be issued 2 weeks in advance.
2. Supplier must ensure the completeness and correctness of the requisite documents before submission for approval. Delay in approval on account of incomplete / inadequate information shall be the responsibility of supplier.
3. Inspection call should be given in the prescribed format only. Inspection calls not in the prescribed format shall not be entertained.
4. Qty to be offered for inspection should be in accordance within Delivery-schedule – lot. BHEL reserves the right not to entertain multiple inspection calls for a Delivery – lot and delay on this account shall be the responsibility of Supplier.

Signature & Seal of

Supplier

Date:

Terms & Conditions of Reverse Auction

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.

10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the 'Business Rules of Reverse Auction', which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

New PVC formula applicable w.e.f.

Annexure-II

01st April 2014



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Cir. No.: 66/DIV/T&D P/05

Date: 20 May 2014

To all members of IEEMA T&D Projects Division
SEBs, Utilities and other listed purchasing organizations

- Sub: 1. Discontinuation of PV circulars for Transmission Line Towers (TLT) and Transmission Line Accessories & Hardware (TLA&H) giving JPC Market prices of steel Billets & Blooms**
2. Revision in IEEMA PV clauses for TLT and TLA&H giving JPC RETAIL prices of Steel Billets & Blooms

IEEMA had publishing prices of Steel Billets and Blooms based on prices published by Joint Plant Commission (JPC), Kolkata in their circular titled 'JPC Indicative Market Prices' till April 2014 for using the revised Price Variation Clauses for TLT and TLA&H; both effective from 1st July 2010

However, from 1st April 2014, JPC has started publishing a different price circular titled "JPC Prices (Retail)" which is on the different basis of working of prices.

IEEMA has therefore decided to revise the PV formulae for TLT and TLA&H incorporating the above 'Retail' prices with different nomenclature effective from 1st April 2014. Both the PV formulae are enclosed along with April 2014 PV circular giving 'Retail' prices of Steel Billets and Blooms.

We request and recommend all the users & stakeholders including Utilities, PSUs etc. to incorporate these new PV formulae in all the new tenders/contracts requiring base prices/indices of April 2014.

For contracts that will remain still pending which will require prices/indices beyond April 2014, to arrive at the final price variation, we recommend using the following two stage method, which is a standard methodology adopted by IEEMA for change over in all IEEMA PV clauses.

1. Calculate price variation 'P' from prices/indices of your base date applicable as per IEEMA PV clause effective from 1st July 2010 up to April 2014 (i.e. by taking April 2014 prices/indices at the numerator) applicable for the same PV clause.
2. Treat the above calculated 'P' as 'P₀' and calculate final price variation considering April 2014 as base prices/indices as per new IEEMA PV clause; effective from 1st April 2014 (i.e. by taking April 2014 prices/indices at the denominator) up to the prices/indices of your date of delivery as per this new IEEMA PV clause.


Deputy Director General

Encl.: as above

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IEEMA/PVC/TL-A&H/2001 (R-3)

Effective from: 1st April 2014

PRICE VARIATION CLAUSE FOR TRANSMISSION LINE ACCESSORIES AND HARDWARE

CONTAINING: (A) BOTH ALUMINIUM AND STEEL, (B) ONLY ALUMINIUM, (C) ONLY STEEL

The price quoted/confirmed is based on the input cost of raw materials/components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials and all India average consumer price index number for industrial workers as specified in the price variation clause given below. In case of any variation in these prices and index numbers, the price payable shall be subject to adjustment, up or down in accordance with the following formula:

(A) Transmission line accessories and hardware containing both Aluminium and Steel:

$$P = \frac{P_0}{100} \left(20 + 40 \frac{AL}{AL_0} + 5 \frac{Zn}{Zn_0} + 20 \frac{SBIR}{SBIR_0} + 15 \frac{W}{W_0} \right)$$

(B) Transmission line accessories and hardware containing only Aluminium:

$$P = \frac{P_0}{100} \left(20 + 65 \frac{AL}{AL_0} + 15 \frac{W}{W_0} \right)$$

(C) Transmission line accessories and hardware containing only Steel:

$$P = \frac{P_0}{100} \left(20 + 58 \frac{SBIR}{SBIR_0} + 7 \frac{Zn}{Zn_0} + 15 \frac{W}{W_0} \right) \text{--- SHALL BE APPLICABLE}$$

Wherein,

P = Price payable as adjusted in accordance with the above formula.

P₀ = Price quoted/confirmed.

AL₀ = Price of EC Grade Aluminium Ingots (refer notes)
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Zn₀ = Price of Electrolytic high grade zinc (refer notes)

IEEMA/PVC/TL-A&H/2001(R-2) Page 1 of 3

Delhi	Bangalore	Kolkata
Rishyamook Building, First Floor, 85 A, Panchkuian Road New Delhi 110001	204, Swiss Complex 33, Race Course Road Bangalore 560001, India	503 A, Oswal Chambers 2, Church Lane Kolkata 700001, India
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E delhi@ieema.org	E bangalore@ieema.org	E kolkata@ieema.org
W www.ieema.org	W www.ieema.org	W www.ieema.org

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

SBIR₀ = Price of Steel Billets-Retail (refer notes)
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

W₀ = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 100)
This index number is as applicable on the first working day of the month, three months prior to the date of tendering.

For example, if date of tendering falls in October 2014, the applicable prices of Aluminium (AL₀), Zinc (Zn₀) and Steel Billets-Retail (SBIR₀) should be for the month September 2014 and all India average consumer price index number (W₀) should be for the month of July 2014.

The above prices & indices are as published by IEEMA vide circular reference no. IEEMA (PVC)/TLA&H (R-3)/_/_ prevailing as on first working day of the month i.e., one month prior to the date of tendering.

AL = Price of EC Grade Aluminium Ingots (refer notes)
This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

Zn = Price of Electrolytic high grade zinc (refer notes)
This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

SBIR = Price of Steel Billets-Retail (refer notes)
This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 100)
This index number is as applicable on the first working day of the month, four months prior to the date of delivery.

For example, if date of delivery falls in July 2015, the applicable prices of Aluminium (AL), Zinc (Zn) and Steel Billets-Retail (SBIR) should be for the month May 2015 and all India average consumer price index number (W) should be for the month of March 2015.

The date of delivery is the date on which the instrument transformer is notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes: (a) All prices of raw materials are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes; octroi etc.

(b) All prices are as on first working day of the month.

(c) The details of prices are as under:

1. The price of Aluminium (in Rs./MT) is the average price of EC grade Aluminium Ingots as quoted by three primary producers of Aluminium as per IS: 4026-1987
2. The price of Electrolytic high grade zinc (in Rs./MT) is ex-works price as quoted by a primary producer of zinc.
3. The prices of Steel Billet-Retail are the average Retail price of Billets of size 100 mm of all cities in Rs/MT; as published by Joint Plant Committee (JPC), Kolkata.


Deputy Director General

SCHEDULE OF COMMERCIAL DEVIATION

Ref: TBMM/FB / FATEHABAD (AGRA NEW)

ENQUIRY NO. 264E228

This Format is to be submitted in original duly signed by bidder.

The following are the deviations/variations/exceptions from the Terms and Conditions :-

SL. NO.	CLAUSE NO. OF TERMS AND CONDITIONS	STATEMENT OF DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the Terms and Conditions.

If there is NIL deviation,even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

Place :
Date :

Signature of the authorised representative of

Bidder's name :.....
Designation:.....
Company Seal:.....

SCHEDULE OF TECHNICAL DEVIATION

Ref: TBMM/FB/FATEHABAD (AGRA NEW)

ENQUIRY NO. 264E228

This Format is to be submitted in original duly signed by bidder.

The following are the deviations/variations/exceptions from the Terms and Conditions :-

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If there is NIL deviation,even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

Place :
Date :

Signature of the authorised representative of
Bidder's name :.....
Designation:.....
Company Seal:.....

SCHEDULE OF PRICE

Enquiry No:- *264E228

Date:- 07.02.15

(BIDDERS TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

PROJECT: PGCIL FATEHABAD (AGRA NEW)

SL. NO.	DESCRIPTION OF ITEM (As per Tech Spec. TB-STD.FBOLTS-618-002b REV. 02)	UNIT	QUANTITY	UNIT PRICE EX. WORKS (Rs.)	TOTAL EX. WORKS (Rs.)	UNIT FREIGHT & INSURANCE UP TO SITE (Rs.)	TOTAL FREIGHT & INSURANCE UP TO SITE (Rs.)	ED @..... % OF TOTAL EX-WORKS (Rs.)	CST/VAT/ST @.....% OF (TOTAL EX-WORKS+ TOTAL ED) (Rs.) AGAINST FORM "C"	F.O.R. DESTINATION PRICE (TOTAL EX- WORKS+TOTAL ED+TOTAL CST+ TOTAL F & I) (Rs.)
1	FOUNDATION BOLTS	MT	150							
TOTAL DELIVERED COST TO BHEL										

NOTE:

1. PLEASE NOTE THAT UNPRICED COPY OF PRICE BID (i.e. WITH ALL PRICES BLANKED) SHALL BE FURNISHED ALONG WITH TECHNO-COMMERCIAL BID.
2. REQUIRED COPIES OF FORMAT BE MADE & DETAILS MAY BE ANNEXED.
3. THE PRICES MUST BE QUOTED IN THE PRESCRIBED UNIT ONLY.
4. SALES TAX RATE AS APPLICABLE FOR SPECIFIED DESTINATION SHALL BE QUOTED. IN CASE OF CST, RATE AGAINST "C" FORM SHALL BE QUOTED.
5. IN CASE OF VARIED ED SLAB RATES, CONFIRM YOUR OPTION FOR "X" OR "Y". (STRIKE OFF WHICH IS NOT APPLICABLE)
IF NO OPTION IS MENTIONED "X" SHALL BE TAKEN.

6. THE VENDORS MUST INDICATE THE APPLICABLE TARIFF NOS. UNDER WHICH ED AND / OR CST WOULD BE PAID BY THEM TO THE TAX AUTHORITIES.
7. IF A VENDOR SUBMITS AN OFFER WITH REDUCED ED AND OR CST APPLICABLE THAN NORMALLY PAID ON SUCH ITEMS, THEY SHOULD SUBMIT NECESSARY DOCUMENTARY PROOF FOR THE SAME.
"X" THE MAXIMUM ED SLAB RATE BE CONSIDERED FOR PRICE COMPARISON. IN THE EVENT OF ORDER ED AT ACTUAL BE PAID.
"Y" THE QUOTED ED RATE BE CONSIDERED FOR PRICE COMPARISON. IN THE EVENT OF ORDER ED AT ACTUAL RATE LIMITED TO QUOTED RATE BE PAID.

SIGNATURE & SEAL OF TENDERER

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**STANDARD TECHNICAL
SPECIFICATION
FOR GI FOUNDATION BOLTS**



STANDARD TECHNICAL SPECIFICATION

1.0.0 FOUNDATION BOLTS (including nuts and washer) :

1.1.0 The scope of this specification is to specify all details required by a supplier for supply of galvanized foundation bolts for projects being executed by BHEL on turnkey basis for PGCIL, NTPC, SEBs and other Customers.

Following standard drawing is attached for reference based on which supplies shall be made as per BHEL's requirement.

1 BHEL Dwg No : TB-3-STD.FBOLTS-618-501 Details of Standard GI Fdn bolts

However, there may be certain cases where supplies may be required to be made as per Customer's specific requirement. Drawings for such non-standard cases shall be provided separately.

1.2.0 All foundation bolts including nuts and washers shall be supplied based on the following specifications.

1.2.1 All foundation bolts shall conform to IS:5624 but the material including anchor plate shall be MS conforming to IS:2062 (Grade A)

1.2.2 All foundation bolts shall be of property class 4.6 conforming to IS:1367

1.2.3 All foundation bolts shall be fully galvanized so as to achieve 0.61 kg/sqm of zinc coating as per relevant IS. However, if different coating is required or partial galvanizing is required, it shall be indicated separately.

1.2.4 The pitch of threads shall be 5.5mm as per IS:4218 Part – II for 56 dia bolt.

1.2.5 The threads of bolt shall be undercut to suit standard matching nut.

1.2.6 All corresponding hexagonal nuts shall be of property class 4 conforming to IS:1367/IS:1363/IS:6639

1.2.7 All plain washers shall conform to IS:2016.

1.2.8 For purpose of payment, the unit weight of standard bolts including nuts & washer as indicated below shall be considered. Where supply is for non-standard bolts, payment shall be made based on unit weights worked out considering theoretical dimensions & density of steel as 7850kg/cum.

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STANDARD FOUNDATION BOLT UNIT WEIGHTS			
S. No.	Type	Size of Bolt	Total wt (kg)
BHEL Dwg No: TB-3-STD.FBOLTS-618-501			
1	56A	56φx2000lg	44.30
2	56B	56φx1800lg	40.44
3	56C	56φx1600lg	36.57
4	56D	56φx1400lg	32.71
5	56E	56φx1250lg	29.81
6	48C	48φx1600lg	26.60
7	48D	48φx1400lg	23.76
8	48E	48φx1250lg	21.63
9	48F	48φx1000lg	18.08
10	40E	40φx1250lg	14.86
11	40F	40φx1000lg	12.39
12	40G	40φx800lg	10.42
13	32E	32φx1250lg	9.24
14	32F	32φx1000lg	7.66
15	32G	32φx800lg	6.40
16	28E	28φx1250lg	7.08
17	28F	28φx1000lg	5.87
18	28G	28φx800lg	4.90
19	24F	24φx1000lg	4.37
20	24G	24φx800lg	3.66
21	24H	24φx600lg	2.95

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22	20G	20φx800lg	2.63
23	20H	20φx600lg	2.14
24	20I	20φx400lg	1.65

