

**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.- 235G019 Dated 30.11.2015 Due Date:- 15.12.2015
1.	<p><b>INSTRUCTION TO BIDDERS:</b></p> <p>a) Quotations are invited for the items mentioned in the enquiry.</p> <p>b) <b>The tenders are invited and evaluated online through e-Procurement System. The bidder shall submit his response through bid submission to the tender on e-Procurement platform at <a href="https://bheleps.buyjunction.in">https://bheleps.buyjunction.in</a>.</b></p> <p><b>Foreign and indigenous vendors participating through open tenders/limited tender (Through E-procurement system) will necessarily have to buy Class-III digital certificates (DSCs) issued by certifying agencies in India.</b></p> <p><b>Procedure of getting obtaining DCSs can be down loaded from Important Links on link <a href="http://www.bhel.com/tender/tender_home.php">http://www.bhel.com/tender/tender_home.php</a> or may be obtain from concern executive through email request.</b></p> <p>Successful bidder shall be responsible for completion of the contract in all respects. Techno commercial offers shall be opened through the E-Procurement portal. However this tender may be finalized through online Reverse Auction. Bidders are request to quote their most competitive prices through the online e-procurement portal / system.</p> <p>In case of any difficulty in operating the E-Tendering System, please call up our developer's Help Desk m Junction Services Ltd. at 033-6601 1717 or BHEL representative. Please ensure the submission of your most competitive offer before the due date in the E-Tendering Portal to avoid last minute hustle.</p> <p>c) The same shall be opened at 02.30 PM on the same day. Tenders received late may be rejected. Bids shall be submitted as per E-procurement system. Any other mode of submission of offer against aforesaid enquiry will not be entertained</p> <p>d) For any technical clarification please contact :</p> <p><b>Shri Vijay Kumar / Shri Ved Prakas Meena, Dy. Manager/ 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</b></p>	

Sr. No.	Standard Terms & Conditions	Enquiry No.- 235G019 Dated 30.11.2015 Due Date:- 15.12.2015
	<p>Phone : 0120 – 6748537 E-mail : <a href="mailto:viyakumar@bhel.in">viyakumar@bhel.in</a>; <a href="mailto:ved@bhel.in">ved@bhel.in</a></p> <p><b><u>For any Commercial clarification, please contact:</u></b></p> <p><b>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: <a href="mailto:shashirai@bhel.in">shashirai@bhel.in</a> / <a href="mailto:scshivhare@bhel.in">scshivhare@bhel.in</a> / <a href="mailto:a.kumar@bhel.in">a.kumar@bhel.in</a></b></p> <p>e) Price bid should contain only rates / prices, otherwise bid shall be liable for rejection.</p> <p>f) <b>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.</b></p> <p>g) 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 &amp; 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><b>PRICES:</b></p> <p>A. The prices shall be on <b>FIRM basis</b>.</p> <p>B. The prices shall be quoted by the vendors considering sl. No. B1 &amp; B2 below:</p> <p>B1. FATEHABAD (AGRA NEW): Taxes and Duty payable.</p> <p>B2. PGCIL BIHARSHARIF JAMSHEDPUR GAZUWAKA RENGALI ROURKELA DURGAPUR GORAKHPUR- Taxes and Duty payable.</p> <p>C. The prices are to be quoted on "Ex works basis" i. e. the Transportation shall be arranged by BHEL – TBG from Bidder's works. The loading of Material in Trailers at Bidder's Works to be arranged by Bidder. The Transportation Cost by BHEL will however be added to the Cost of Bidders to arrive at Landed Cost to BHEL.</p> <p>The Rate Contract Rates which will be used for loading are :</p> <ul style="list-style-type: none"> <li>• <b>Rs. 3.57/MT/KM- (Rs. Three and Fifty Seven Paise only) per MT per KM.</b></li> <li>• <b>Freight Escalation Clause is applicable on Freight Rates. The base freight rates for mechanical trailers would increase/decrease by 50% of percentage increase/ decrease in the rates of diesel prevailing over the base rates of 29.08.2014 mentioned below. Any increase/decrease so allowed will be added to or subtracted from the basic freight rate. This increase/decrease will be computed as on 5th of every month and rates will be valid for that particular calendar month. The rate of diesel will be</b></li> </ul>	

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	<p>based on the rates obtained from PSU oil companies applicable to New Delhi. Freight increase on any other account will not be permissible. The Base Rates of Diesel Prices as prevailing on 29.08.2014 are Rs. 58.40/Litre. The Final Date for calculation of Freight Escalation will be Techno-Commercial Bid opening date for this Tender for MS Rod.</p> <ul style="list-style-type: none"> <li>• Distance will be taken as shortest route exhibited in Motoring Guide of India.</li> <li>• Minimum Chargeable distance shall be 100 Kms even if the delivery destination is less than 100 Kms.</li> <li>• Transportation shall be done by trailer only. Minimum transportable weight will be 22MT. If qty is less than this minimum transportable weight than payment of F&amp;I shall be made for minimum transportable weight i.e. for 22 MT.</li> <li>• Project Location is given in Specification to enquiry.</li> </ul> <p>D. The prices are to be quoted on Ex-works basis. The break-up of prices shall be as under : -</p> <ol style="list-style-type: none"> <li>a) <b>Ex-works Price:</b> Ex-Works price including packing &amp; forwarding Charges. Trailers shall be arranged by BHEL-TBG for Transportation.</li> <li>b) <b>Excise Duty:</b> Extra as applicable to be quoted as percentage in both un-price bid and price bid.</li> <li>c) <b>Sales Tax:</b> 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.</li> <li>d) <b>Entry tax / Octroi Charges:</b> Any Entry tax / Octroi applicable at destination / destination state shall be paid extra on proof of such payment.</li> <li>e) <b>Freight &amp; Insurance:</b> IN BHEL-TBG Scope (Bidders to note the loading Criteria mentioned above for determining L1 bidder)</li> </ol> <p>Note: The purchase order shall be placed on Ex-works basis.</p> <p><b>“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.</b></p> <p><b>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.”</b></p> <p>Further to above clause, please refer attached Annexure II for Terms &amp; Conditions Of Reverse Auction Page 1 &amp; 2)</p>	

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3.	<p><b>TERMS OF PAYMENT:</b></p> <p>100% payment along with taxes, duties, Freight &amp; Insurance within 60 days (45 days for MSE Vendor) from the date of receipt of complete invoice in <b>TBG, BHEL</b> with following documents in 3 sets (Original + 2 copies).</p> <ul style="list-style-type: none"> <li>• Excise invoice (where ED re-imburement is required)</li> <li>• Copy of Performance Bank Guarantee</li> <li>• MICC issued by BHEL</li> <li>• Guarantee Certificate</li> <li>• LR duly endorsed in the name of Customer by BHEL-Site (To be arranged by BHEL)</li> <li>• Material Receipt certificate issued by Site as per attached format (To be arranged by BHEL)</li> </ul>	
4.	<p><b>INTEREST LIABILITY:</b></p> <p>In case of any delay in payment due to any reason, BHEL shall not pay any interest on delayed payment.</p>	
5.	<p><b>GUARANTEE:</b></p> <p>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.</p>	
6.	<p><b>PERFORMANCE BANK GUARANTEE:</b></p> <p>NOT APPLICABLE.</p>	
7.	<p><b>FINAL ENGINEERING DOCUMENTATION:</b></p> <p>NOT APPLICABLE.</p>	
8.	<p><b>INSPECTION:</b></p> <p>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.</p> <p>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.</p> <p>Road Permit Form request should also be given along with Inspection call.</p>	
9.	<p><b>DESPATCH DOCUMENTS:</b></p> <p>Following despatch documents are to be immediately sent to purchaser on despatch:</p> <ul style="list-style-type: none"> <li>• Copy of LR</li> <li>• Copy of Invoice</li> <li>• Guarantee Certificate</li> </ul>	

Sr. No.	Standard Terms & Conditions	Enquiry No.- 235G019 Dated 30.11.2015 Due Date:- 15.12.2015
10.	<p><b>DELIVERY PERIOD:</b> Bidder to specify the delivery period in weeks from the date of LOI / PO in the Activity Schedule Format enclosed with enquiry. Bidder to quote their best delivery plan in Activity Schedule. Note: LR date or Invoice date whichever is later shall be considered as delivery date.</p>	
11.	<p><b>DELAYED DELIVERY:</b> 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.</p>	
12.	<p><b>VALIDITY:</b> The offer shall be valid for 120 days from the due date of opening.</p>	
13.	<p><b>QUANTITY VARIATION:</b> +/- 30 %.</p>	
14.	<p><b>ACCEPTANCE / REJECTION OF TENDER:</b> 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>	
15.	<p><b>EVALUATION:</b> Evaluation will be done project wise i.e. for 1. PGCIL FATEHABAD (AGRA NEW) &amp; 2. PGCIL PGCIL BIHARSHARIF JAMSHEDPUR GAZUWAKA RENGALI ROURKELA DURGAPUR GORAKHPUR Projects separately. Comparative statement shall be prepared on Project wise quantity. Evaluation of offers shall be done on the basis of delivered cost to BHEL after loading of F &amp; I Charges up to site.</p>	
16.	<p><b>DEVIATION:</b> 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>	
17.	<p><b>ARBITRATION:</b> 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 &amp; binding upon both the parties.  The venue of arbitration shall be Delhi.</p>	
18.	<p><b>LEGAL SETTLEMENT:</b> Subject to clause 17 hereinabove this contract shall be subject to exclusive jurisdiction of courts at Delhi.</p>	

Sr. No.	Standard Terms & Conditions	Enquiry No.- 235G019 Dated 30.11.2015 Due Date:- 15.12.2015
19.	<b>SUBCONTRACTING :</b> 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.	
20.	<b>RISK PURCHASE :</b> 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.	
21.	<b>ADJUSTMENT OF RECOVERY :</b> 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.	
22.	<b>FORCE MAJEURE CONDITION :</b> 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.	
23.	<b>TECHNICAL SPECIFICATION :</b> <b>TB-235-509-039 REV 02</b>	
24	<b>LOADING CRITERIA FOR DEVIATIONS TAKEN BY BIDDER ON:</b> <b><u>25.1.TERMS OF PAYMENT:</u></b> 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 <b><u>25.2. DELAYED DELIVERY / PENALTY DUE TO DELAYED DELIVERY:</u></b> Loading for not accepting this clause / accepting only on un delivered portion shall be the maximum amount specified in this clause.	
25	"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".	

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<b>26</b>	<b>PRE QUALIFYING CRITERIA FOR OPEN TENDER:</b> a) <b>Bidder must be manufacturer of 40 mm Dia. MS Rod.</b> b) The vendor/Manufacturer should have valid MQP approved by POWERGRID as on date of Technical Bid opening.  Only customer approved vendors shall be considered. Those vendor/Manufacturer which do not have valid MQP approved by POWERGRID as on date of Technical Bid opening, the offers of such vendors shall be rejected.	

**ACTIVITY SCHEDULE**

Sl. NO.	ACTIVITY	ACTIVITY TIME IN WEEKS	CUMULATIVE TIME IN WEEKS FROM LOI / PO DATE	REMARKS IF ANY
<del>1.</del>	<del>Submission of Documents necessary for getting manufacturing clearance like Drawings, Data sheet etc.</del>	N.A.	N.A.	Not in Bidders Scope.
<del>2.</del>	<del>Approval of documents from BHEL / Customer *</del>	N.A.	N.A.	Not in Bidders Scope.
3.	Manufacturing time			
4.	Inspection call			
5.	Customer Inspection & Despatch Clearance	N.A.	N.A.	Not in Bidders Scope.
6.	Transportation to Destination.	N.A.	N.A.	Not in Bidders Scope.
<del>7.</del>	<del>Erection Testing &amp; Commissioning (ETC)</del>	N.A.	N.A.	Not in Bidders Scope.

- Note: 1) \* 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.
- 2) Inspection call should be given in the prescribed format only. Inspection calls not in the prescribed format shall not be entertained.
- 3) 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.
- 4) Vendors to quote their best delivery plan in activity schedule.

Signature of Supplier  
Date

**SCHEDULE OF COMMERCIAL DEVIATION**

Ref: TBMM/MS ROD / FATEHABAD & RP

ENQUIRY - 235G019 Dated 30.11.2015

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/MS ROD / FATEHABAD& RP

ENQUIRY - 235G019 Dated 30.11.2015

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:.....

**BHARAT HEAVY ELECTRICALS LTD.**  
**TRANSMISSION BUSINESS GROUP - MATERIAL MANAGEMENT**  
Un Priced Bid

**PROJECT : PGCIL FATEHABAD (AGRA NEW)**

**ITEM : 40 MM DIA M.S.ROD**

**ENQUIRY NO : 235G019 Dated : 30.11.2015**

SL. NO.	DESCRIPTION OF ITEM	SITE	UNIT	QUANTITY	Unit Ex-works	Total Ex-Works	Excise Duty [in % as well as amount]	CST/VAT [in % as well as amount]	TOTAL AMOUNT (Rs.) A = (6 + 9 + 10)
1	2		3	4	5	6 [= 5 * 4]	9	10	11
1	MS ROD 40 MM DIAMETER - AS PER ATTACHED STANDARD TECHNICAL SPECIFICATION TB-235-509-039, REV. 02.	FATEHABAD (AGRA NEW)	MT	450					
<b>LOADING AS PER BHEL TRANSPORTATION RATE CONTRACT RATES AS DETAILED IN NIT CLAUSE 2. C.</b>									<b>B [Not to be Quoted.]</b>
<b>TOTAL COST TO BHEL (Landed Cost of Material at Site) INCLUDING LOADING FOR TRANSPORTATION RATES</b>									<b>= A + B</b>

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.

**BHARAT HEAVY ELECTRICALS LTD.**  
**TRANSMISSION BUSINESS GROUP - MATERIAL MANAGEMENT**  
**Un Priced Bid/Priced Bid**

**PROJECT : PGCIL BIHARSHARIF, JAMSHEDPUR,GAZUWAKA,RENGALI RAURKELA DURGAPUR GORAKHPUR**

**ITEM : 40 MM DIA M.S.ROD**

**ENQUIRY NO : 235G019 Dated : 30.11.2015**

SL. NO.	DESCRIPTION OF ITEM	SITE	UNIT	QUANTITY	Unit Ex-works	Total Ex-Works	Excise Duty [in % as well as amount]	CST/VAT [in % as well as amount]	TOTAL AMOUNT (Rs.) A = (6 + 9 + 10)
1	2		3	4	5	6 [= 5 * 4]	9	10	11
1	MS ROD 40 MM DIAMETER - AS PER ATTACHED STANDARD TECHNICAL SPECIFICATION TB-235-509-039, REV. 02.	BIHARSHARIF	MT	11					
		JAMSHEDPUR	MT	7					
		GAZUWAKA	MT	91					
		RENGALI	MT	77					
		RAURKELA	MT	0.6					
		DURGAPUR	MT	27					
		GORAKHPUR	MT	4					
<b>LOADING AS PER BHEL TRANSPORTATION RATE CONTRACT RATES AS DETAILED IN NIT CLAUSE 2. C.</b>									<b>B [Not to be Quoted.]</b>
<b>TOTAL COST TO BHEL (Landed Cost of Material at Site) INCLUDING LOADING FOR TRANSPORTATION RATES</b>									<b>= A + B</b>

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.



**BHARAT HEAVY ELECTRICALS LIMITED  
TRANSMISSION BUSINESS GROUP  
MATERIAL RECEIPT CERTIFICATE**

- a) Site:
- b) LR No. with date:
- c) Vehicle no.:
- d) Date of receipt of material at site:
- e) Material details (as mentioned below):

S.no.	Item Description	Type of Packages	Unit (MT/KM/NO.)	Qty as per packing list	Qty Received	Remarks

Other Remarks:

Signature with date: \_\_\_\_\_

Name & Designation: \_\_\_\_\_

(With Seal)

**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.

**Certificate by Chartered Accountant on letter head**

This is to Certify that M/S .....  
(hereinafter referred to as 'company') having its registered office at  
..... is registered under MSMED Act 2006, (Entrepreneur  
Memorandum No (Part-II) ..... dtd:.....,  
Category: ..... (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on  
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost  
excluding land and building and the items specified by the Ministry of Small Scale Industries vide its  
notification No.S.O.1722(E) dated October 5, 2006 :  
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and  
furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED  
Act, 2006:  
Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of  
Rs.....Lacs for .....Micro / Small (Strike off which is not applicable)  
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant



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# BHARAT HEAVY ELECTRICALS LIMITED TRANSMISSION PROJECTS ENGINEERING MANAGEMENT

DOCUMENT No.	<del>TB-235-509-039</del> TB-235-509-039	REV 02	Prepared	Checked	Approved	
TYPE OF DOC.	EQUIPMENT SPECIFICATION		NAME	D.K.Mandal	Manoj Kumar	Satish Nayar
TITLE  STANDARD SPECIFICATION FOR M.S.ROD	SIGN		Sd/-	Sd/-	Sd/-	
	DATE		14.07.04	15.07.04	15.07.04	
	GROUP		TBEM	W.O. No		
CUSTOMER						
PROJECT						
LOA No.						

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The Information in this document is the property of BHARAT HEAVY ELECTRICALS LIMITED  
This must not be used directly or indirectly in anyway detrimental to the interest of the Company.

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SECTION 2 Equipment Specification	2
SECTION 3 Project details & General Specification	1
SECTION 4 Guaranteed technical particulars	1
CHECK LIST	1
STANDARD QUALITY PLAN	1

02	26.11.12	<i>AK</i>	<i>Manoj</i>	Standard Quality plan included	
01	31.10.12	Sd/-	Sd/-	ASTM A576 has been included and cut length requirement revised.	
Rev No.	Date	Altered	Checked	Approved	<b>REVISION DETAILS</b>
Distribution			To		
			Copies		

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Doc No : TB 235 509 039  
Rev No : 02

## SECTION - 1

### SCOPE SPECIFIC TECHNICAL REQUIREMENTS AND QUANTITIES

#### 1.0 SCOPE

This technical specification covers the design, manufacture, testing at works and despatch (As applicable) of M.S. ROD, required for the under ground earthing system.

- 1.1 The M.S. Rod shall be of length 6 m to 12 m.
- 1.2 The rod shall comply with the technical requirements brought out in Section-2 of the specification.
- 1.3 The enclosed standard quality plan has to be followed.

**It may be noted that no deviations from specification shall be acceptable and length of MS Rod must be in the range as specified above.**

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## SECTION - 2 EQUIPMENT SPECIFICATION

### 2.1 GENERAL

This section covers the general technical requirements of MS Rod. In case of any discrepancies between the requirements mentioned in this section and those specified in other sections of this specification, the latter shall prevail and shall be treated as binding requirement.

### 2.2 APPLICABLE STANDARDS

The conductor to be supplied shall conform to the following Indian Standards :

Specification for Rolling : IS: 1852:1985  
And cutting tolerance for  
Hot Rolled Steel Products

Steel for General Structural : IS: 2062-2011  
Purposes

Round & Square Bars for : IS: 1732-1989  
General Engg. Purposes

Standard Specification for  
Steel bars, carbon hot wrought  
Special Quality : ASTM A576-90b

Note: Latest revisions of all the mentioned standards have to be followed.

### 2.3 TECHNICAL REQUIREMENTS

2.3.1 The material to be supplied shall comply with the requirements specified for Grade-A designation Fe410WA of IS 2062-2011 or grade SAE1018 as per ASTM A576-90b.

The material shall be in sound condition of recent manufacture. The finished product shall be adeptly and cleanly rolled to the dimension and sections specified. The finished material shall be free from defects, loose mill scale, slag, fillings, rust etc. The rod shall be manufactured by hot rolled process.

### 2.4 TESTS

The material shall be subject to all the routine tests as per IS: 2062-2011/ASTM A576-90b. Enclosed Quality plan shall be followed for witnessing/conducting of tests.

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## **SECTION 3**

### **PROJECT DETAILS AND GENERAL SPECIFICATION**

As applicable for various projects

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## SECTION 4

### GUARANTEED TECHNICAL PARTICULARS

1. Nominal Diameter :
2. Material grade :
3. Finish :
4. Tolerance :



# QUALITY PLAN

<b>ITEM :</b> MS RODS	<b>OP NO :</b> TBOM-STD-MSR	<b>PROJECT :</b>							
	<b>REV:</b> 02	<b>PACKAGE / CONTRACT :</b>							
	<b>DATE :</b> 23.11.2012	<b>CONTRACTOR :</b> BHEL							
	Page 1 of 1	<b>FORMAT OF RECORD :</b>							
<b>S.NO</b>	<b>CHARACTERISTIC CHECKED</b>	<b>CATEGORY</b>	<b>TYPE OF CHECK</b>	<b>EXTENT OF CHECK</b>	<b>REFERENCE DOCUMENT</b>	<b>ACCEPTANCE NORM</b>	<b>FORMAT OF RECORD</b>	<b>AGENCY</b>	<b>REMARKS</b>
1	2	3	4	5	6	7	8	9	10 11 12 13

1.0 MS RODS									
S.NO	CHARACTERISTIC CHECKED	CATEGORY	TYPE OF CHECK	EXTENT OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	AGENCY	REMARKS
A)	Visual defects, straightness & dimensional conformity	Major	Visual and Measurement	Random samples	As per tech. specification and relevant standard mentioned therein.	As per tech. specification and relevant standard mentioned therein.	Inspection report	C/N	MS rods to be sourced from prime manufacturers like SAIL / TISCO / RINL
B)	Chemical properties as per relevant standard	-do-	Chemical	As per tech. specification and relevant standard mentioned therein.	-do-	-do-	Test report	C/N	Sampling shall be done as per relevant standard mentioned in the technical specification.
C)	Mechanical properties as per relevant standard	-do-	Physical	-do-	-do-	-do-	-do-	C/N	-do-

Note: 1. Supplier shall arrange for witness of testing for Chemical & mechanical tests at their works / NASL approved lab.

**LEGEND:**  
M - SUPPLIER / SUB SUPPLIER  
C - BHEL / NOMINATED INSPECTION AGENCY  
N - CUSTOMER / CUSTOMER NOMINATED AGENCY  
CHP - CUSTOMER HOLD POINT TC - TEST CERTIFICATE IR - INSPECTION REPORT  
JIR - JOINT INSPECTION REPORT

**APPROVED BY:** AJAY KUMAR CHOWDHARY  
TRANSFORMER BUSINESS GROUP  
**SHARAT HEAVY ELECTRICALS LIMITED**  
Industry Sector, Integrated Office Complex  
Lodh Road, New Delhi 110003

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