

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

This Format is to be submitted in original duly signed and stamped 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 will not be accepted.

Sr. No	Enquiry No. 828E532 Due Date : 16.04.2019	Dated : 01.04.2019
1.	INSTRUCTION TO BIDDERS: a) Quotations are invited for the items mentioned in the enquiry. b) The tenders is proposed to invited and evaluated through online through e-Procurement System. The bidder shall submit his response through bid submission to the tender on e-Procurement platform at https://bhel.abcpocure.com/EPROC/ on or before 14:00 Hrs of the due date of opening. c) The same shall be opened at 14.30 Hrs. on the same day. Tenders received late may be rejected. d) Bids are to be submitted in Two parts: i) Bidder to strictly ensure submitting the price bids in BHEL format. e) “BHEL reserves the right to go for Reverse Auction instead of Opening the submitted sealed bid, which will be decided after technical evaluation”. f) <u>For any Technical Clarification, please contact:</u> SHRI MUNNEET MEHTA, SR. MANAGER/ 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: 0120-06748418 E-mail : muneet@bhel.in <u>For any Commercial Clarification, please contact:</u> SH. S . K JAIN, AGM (TBMM) / RAJ NARAYAN RAM , Sr. ENGINEER (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 - 6748137 / 0120 - 6748532 Email: skjain@bhel.in / raj.ram@bhel.in	

Sr. No	Enquiry No. 828E532 Due Date : 16.04.2019	Dated : 01.04.2019
	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. With-drawl of quotation by the bidder, at any stage after its opening, may entail blacklisting of vendor.	
2.	PRICES: <u>The Prices shall remain FIRM during contract period .</u> <u>Project Status</u> : DOMESTIC Hence, GST is applicable as per Cl. 2 (e) The prices are to be quoted on "Ex works basis" i. e. the Transportation shall be arranged by BHEL ñ 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. The Rate Contract Rates which will be used for loading are :	

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	a) Rs. 3.75/MT/KM- (Rs. Three and Seventy Five Paise only) per MT per KM. 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 rate on 14.07.2017 in Delhi as 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 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 prevailing on the date of 14.07.2017 in City of Delhi are Rs. 54.66/Litre. The Final Date for calculation of Freight Escalation will be Techno-Commercial Bid opening date (Original scheduled date) for this Tender for MS Rod. b) Distance will be taken as shortest route exhibited in Motoring Guide of India. c) Minimum Chargeable distance shall be 100 Kms even if the delivery destination is less than 100 Kms. The prices shall be quoted by the vendors considering following The prices are to be quoted on Ex-works basis. The break-up of prices shall be as under : - d) Ex-works Price: Ex- works price including packing & forwarding charges and charges for Loading in Trailers. Trailers will be arranged by BHEL-TBG. e) GST : GST Rates as applicable along with HSN Code is to be quoted extra as percentage in both un-priced and price bid. f) Entry tax / Octroi Charges: NOT APPLICABLE. i) Freight & Insurance: IN BHEL - TBG Scope. (Bidders to note the Loading Criteria mentioned above for determining L1 Bidder) j) Type Test charges: NOT APPLICABLE. Note: i) The purchase order shall be placed on Ex – Works basis. “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.	

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	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." (Further to above clause, please refer attached Annexure I for Terms & Conditions Of Reverse Auction Page 1 & 2) RA guidelines is also on BHEL website (www.bhel.com)	
3.	<u>TERMS OF PAYMENT:</u> 100 % Payment with Taxes, Duties, Freight & Insurance within 60 days (45 Days for MSE vendor) from the date of receipt of complete invoice with following documents in 3 sets (Original + 2 copies): - GST Compliant TAX invoice. - MICC. - Guarantee Certificate. [A.] Documents to be furnished by vendor immediately after dispatch: - Copy of Invoice - Copy of LR - Copy of Delivery Challan / Packing List - Copy of Insurance Certificate - Copy of Guarantee Certificate [B.] Following Documents to be sent by vendor to TBG, BHEL : - GST Compliant TAX invoice. - Dispatch Clearance / MICC - Guarantee certificate - All Test & Inspection Reports - Payment of GST : Payment of GST component shall be made only if vendor has deposited the Tax and credit for the same is reflected in GSTN (GST Network). In case credit of the same is not reflected in GSTN. vendor may alternatively furnish BG of GST Amount for a period valid for not less than 1 month In case of disallowance of credit /non reflection of credit in GSTN, amount will be recovered from supplier along with applicable Interest, penalty etc from any of his dues.	
4.	<u>INTEREST LIABILITY:</u> In case of any delay in payment due to any reason, BHEL shall not pay any interest on delayed payment.	
5.	<u>GUARANTEE :</u> The equipment / material shall be guaranteed for 18 months from the date of delivery or 12 months from the date of commissioning, which ever is earlier. The defective material / component shall be replaced free of cost at site.	
6.	<u>BANK GUARANTEE:</u> NOT APPLICABLE	
7.	<u>FINAL ENGINEERING DOCUMENTATION:</u> NOT APPLICABLE	
8.	<u>INSPECTION:</u> BHEL and / or customer / third party may inspect the Equipment /	

Sr. No	Enquiry No. 828E532 Due Date : 16.04.2019	Dated : 01.04.2019
	Material before despatch. In the event BHEL / Customer waives off inspection, Test Reports and Results shall be submitted for Approval. Supplier shall obtain Approval on Test Reports and MDCC / MICC (Material Inspection Clearance Certificate) before dispatch of equipment. Stage inspection during manufacturing may also be carried out. Material to be dispatched only after getting Dispatch Clearance from BHEL. Supplier shall send inspection call on prescribed format only, with an advance notice of 15 days. (New Format of Inspection Call attached with this Enquiry).	
9.	DESPATCH DOCUMENTS: Following despatch documents are to be immediately sent to purchaser on despatch. - Copy of Invoice - Copy of LR - Copy of Delivery Challan / Packing List - Copy of Insurance Certificate - Copy of Guarantee Certificate	
10.	DELIVERY REQUIREMENT: Proposed delivery plan is May 2019. However, vendor has to quote their best possible delivery plan in activity schedule to meet the tender delivery requirement. In case, BHEL's delivery requirement is not met by vendor(s), then a chance may be given to all such vendors to review their quoted delivery schedule in line with BHEL's delivery requirement. However, if vendor fails to meet the requisite delivery plan, then BHEL reserves the right not to consider the offer of such vendor(s). Note: LR date or Invoice date whichever is later shall be considered as delivery date. After providing MICC / MDCC to vendor, transportation of material is in BHEL scope. However, Delay in delivery due to placement of vehicle, lifting of material and transportation of Material will not be accounted for Bidder's account.	
11.	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 per week or part there-of subject to maximum of 10% of total Ex-Works value of P.O. will be levied.	
12.	VALIDITY: The offer shall be valid for 120 days from the due date of opening.	
13.	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.	
14.	EVALUATION: Comparative statement shall be prepared based on overall quantity basis unless otherwise indicated in the enquiry. Evaluation of offers shall be done on the basis of delivered cost to BHEL. Freight is in the BHEL Scope. The Transportation Cost by BHEL will however be added to the Cost of Bidders to arrive at Landed Cost to BHEL.	
15.	DEVIATION: The bids having deviation(s) w.r.to tender are liable for rejection. However, BHEL, at its discretion, may load the prices for evaluation of offer as mentioned at Cl. No. - 25.	
16.	QUANTITY VARIATION : + 30% & -10%, during contract stage as well as	

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	completion of execution of purchase order.	
17.	<u>ARBITRATION:</u> All cases of disputes emanating from and relating to this contract shall be referred to the sole arbitrator appointed by Unit Head / GM, BHEL. The arbitrator may be an employee of BHEL whether serving or retired or any other person nominated by Unit Head/GM BHEL. 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.	
18.	<u>LEGAL SETTLEMENT:</u> All disputes shall be subject to jurisdiction of court situated in Delhi/New Delhi only. Notwithstanding contained herein anything in this NIT, the original exclusive jurisdiction shall remain of the court at Delhi / New Delhi.	
19.	SUBCONTRACTING: NOT Applicable.	
20.	<u>RISK PURCHASE:</u> 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 to BHEL of the successful bidder.	
21.	<u>ADJUSTMENT OF RECOVERY:</u> 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.	<u>FORCE MAJEURE CONDITION:</u> Force Majeure will mean: Circumstances beyond the control of contracting parties such as but not limited to act of God, natural catastrophes, fire, war, embargo, industrial dispute, riot, civil commotion, restrictions etc. Vendors willing to plead force majeure shall inform its effect on fulfilment of contract and shall not be held responsible for non performance in such circumstances.	
23.	<u>DEMURRAGE / WHARFAGE:</u> For the reasons of delay in receipt of documents from suppliers or due to the same being found to be incomplete, and/or faulty, the suppliers shall be responsible to reimburse in all demurrages / wharfages, if any, paid by BHEL (for stated reasons).	
24.	<u>Representative :</u> Procurement will be from manufacturers only. Manufacturers should submit offers directly. However in case of involvement of any representative the details of the same along with the copy of the agreement should be submitted in the first part of the offer. Principal manufactures must ensure that the nominated representative do not represent any other manufacture for the same item.	

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25.	LOADING CRITERIA FOR DEVIATIONS TAKEN BY BIDDER ON: 25.1 : TERMS OF PAYMENT: 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 25.2 : DELAYED DELIVERY / PENALITY DUE TO DELAYED DELIVERY: Loading for not accepting this clause / accepting only on undelivered portion shall be the maximum amount specified in this clause.	
26.	"MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer. "	
27.	"The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."	
28	For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Preference to Make in India will be as per the Public Procurement (Preference to Make in India), Order 2017 available in the following link: http://dipp.nic.in/sites/default/files/publicProcurement_MakeinIndia_15June2017.pdf http://dipp.nic.in/sites/default/files/Revised-PPP-MII-Order-2017_28052018.pdf	
29.	Pre qualification criteria : Vendor must be PGCIL approved for supply of M S Rod at the time of technical BID opening.	

Signature of Bidder along with SEAL



TENDER ENQUIRY NO. 828E532 DATE : 01 – 04 – 2019

DUE DATE : 16- 04- 2019

SCHEDULE OF COMMERCIAL DEVIATION

The following are the deviations/ variations exception from the General Terms and Conditions:

SL. NO.	CLAUSE NO. OF GENERAL TERMS AND CONDITION	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 General 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 scheduled.

Place: -

Date: -

Signature of the authorized representative of

Bidder's name:.....

Designation.....

Company Seal:.....

SCHEDULE OF TECHNICAL DEVIATION

The following are the deviations/ variations exception from the Specification:

SECTION	CLAUSE NO. / PAGE NO.	STATEMENT OF DEVIATION/ VARIATIONS/EXCEPTIONS

- 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 General 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 scheduled.

Signature of the authorized representative of

Place: -

Bidder's Name:.....

Date: -

Designation:.....

Company Seal:.....

ACTIVITY SCHEDULE

(To be filled – up by the supplier)

NOTE: This format is to be submitted in original only, duly filled in. Reproduction of this format on bidder's letter head or on other paper is not acceptable.

SL. NO.	ACTIVITY		ACTIVITY TIME IN WEEKS	CUMULATIVE TIME IN WEEKS FROM LOI/PO DATE	REMARKS IF ANY
1.	Submission of P.O Acceptance	Max 1 week			
2.	Submission of documents necessary for getting manufacturing clearance like Drawings, date sheet etc.				
3.	Review and Approval of documents and issue of manufacturing clearance	‘BY BHEL’			
4.	Manufacturing Time				
5.	Inspection	‘BY BHEL’			
6.	Issue of MICC / MDCC	‘BY BHEL’			

- Note :
- 1) For Sl. No. 4) Inspection call for entire lot to be issued 2 weeks in advance. Date given in call for inspection should be within the period indicated in for completion of activity at Sl. No. 5.
 - 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 ñ lot. BHEL reserves the right not to entertain multiple inspection calls for a Delivery ñ lot and delay on this account shall be the responsibility of Supplier.
 - 5) Delivery is required AT THE EARLIEST. Bidders to quote their best Delivery Plan in this schedule.

Signature & Seal of
Supplier
Date



BHARAT HEAVY ELECTRICALS LIMITED

TRANSMISSION PROJECTS ENGINEERING MANAGEMENT

DOCUMENT No.	TB-235-509-039 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.					

CONTENTS

DETAILS

Sheets

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

02	26.11.12				Standard Quality plan included
01	31.10.12	Sd/-	Sd/-	Sd/-	ASTM A576 has been included and cut length requirement revised.
Rev No.	Date	Altered	Checked	Approved	REVISION DETAILS
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.

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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Doc No : TB 235 509 039
Rev No : 01

SECTION 3

PROJECT DETAILS AND GENERAL SPECIFICATION

As applicable for various projects



Doc No : TB 235 509 039
Rev No : 01

SECTION 4

GUARANTEED TECHNICAL PARTICULARS

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



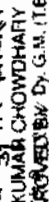
QUALITY PLAN

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

1.0	MS RODS										MS rods to be sourced from prime manufacturers like SAIL / TISCO / RINL
A)	Visual defects, straightness & dimensional conformity	Visual & dimensional	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	M	C/N	
B)	Chemical properties as per relevant standard	Chemical composition	-do-	Chemical	As per tech. specification and relevant standard mentioned therein.	-do-	-do-	Test report	M	C/N	Sampling shall be done as per relevant standard mentioned in the technical specification.
C)	Mechanical properties (as applicable) as per relevant standard	Mechanical properties	-do-	Physical	-do-	-do-	-do-	-do-	M	C/N	-do-

Note:

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

LEGEND:		P - PERFORMED BY	
M - SUPPLIER / SUB SUPPLIER	C - BHEL / NOMINATED INSPECTION AGENCY	W - WITNESSED BY	
N - CUSTOMER / CUSTOMER NOMINATED AGENCY	CHP - CUSTOMER HOLD POINT	V - VERIFICATION BY	
JIR - JOINT INSPECTION REPORT	TC - TEST CERTIFICATE	IR - INSPECTION REPORT	
APPROVED BY: 		APPROVED BY: 	
AJAY KUMAR CHOWDHARY		G.M. (I.B. Q.M.)	
BHARAT HEAVY ELECTRICALS LIMITED		BHARAT HEAVY ELECTRICALS LIMITED	
Integrated Quality Management System		Integrated Quality Management System	
100% Road, New Delhi-110003		100% Road, New Delhi-110003	

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SECTION-3

PROJECT DETAILS & GENERAL SPECIFICATION

SITE INFORMATION

	Particular	Details	
a)	Owner	POWERGRID	
b)	Customer	POWERGRID	
c)	Project Title	765/400kV Switchyard at Medinipur & Jeerat	
d)	Location	Medinipur West Bengal	Jeerat (new) West Bengal
e)	Transport Facilities	Nearest rail head - Medinipur	Nearest rail head - Kolkata
SITE CONDITIONS			
a)	Max. ambient air temp.	50°C	
b)	Min. ambient air temp.	0°C	
c)	Max. design ambient temp.	50°C	
d)	Design reference temp.	50°C	
e)	Average Humidity	Max. 100%	
f)	Special corrosion conditions	No	
g)	Solar Radiation		
h)	Atmospheric UV radiation	High	
i)	Altitude above sea level	Less than 1000meter	
j)	Pollution Severity	High Pollution level	
k)	Seismic Zone	As per the seismic zone defined in the relevant BIS / IEC-62271-300 but not less than 0.3g horizontal	
WIND DATA			
	Wind velocity	50m/s	
	Average No. of thunderstorm days per annum	As per IS	

Section-3

REV.00

	Main Electrical Parameters:	
	Fault Levels:	765kV: 50kA for 1 sec 400kV: 63kA for 1 sec 66kV : 25kA for 3 sec
	Creepage Distance	31mm/kV for string insulator hardware and 25mm/kV for Equipment

ANNEXURE TO GTC OF ENQUIRY NO. 828E532 DATED 01-01-2019
DUE ON 16-04-2019

REVERSE AUCTION GUIDELINES

BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer 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.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

*The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. **The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.***

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

As a reminder to the bidders, system will flash following message (in RED Color) during the course of online sealed bid:

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

PROJECT LOCATION

ANNEXURE TO ENQUIRY NO: 828E532 DATED : 01.04.2019

DUE ON : 16.04.2019

CONSIGNEE ADDRESS & PMJTL GSTN Details

Medinipur Site	Delivery Address – To BHEL C/o 765/400 KV Medinipur Substation. Village: BURAMARA, P.O: MONGALBANDI, SAT- BANKURA. CHANDRAKONA ROAD, P.S: GARBETA. District: WEST- MEDINIPUR, WEST BENGAL.
PMJTL GSTN	19AAKCM1817C2ZL

BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION BUSINESS GROUP - MATERIAL MANAGEMENT
UN Price BID

PROJECT : PGCIL Medinipur

ITEM : 40 MM DIA M.S.ROD

Enquiry No. 828E532 Dated : 01.04.2019

Due on 16.04.2019

SL. NO.	DESCRIPTION OF ITEM	HSN CODE	UNIT	QUANTITY [MT]	Unit Ex-works [Rs.]	Total Ex-Works [Rs.]	GST @ _____% on Total Ex-Works [Rs.]	TOTAL AMOUNT (Rs.) A = (7 + 8)
1	2	3	4	5	6	7 [= 5 * 6]	8	9
1	MS ROD 40 MM DIAMETER - AS PER STANDARD TECHNICAL SPECIFICATION TB- 235-509-039 REV -02.		MT	278				

TOTAL	278 MT
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LOADING AS DETAILED IN NIT CLAUSE 2. (NIT Term & Condition) - AS PER BHEL TRANSPORTATION RATE CONTRACT RATES / TRANSPORTATION RATES AS INTIMATED BEFORE PRICE BID OPENING	B [Not to be Quoted.]
TOTAL COST TO BHEL (Landed Cost of Material at Site) INCLUDING LOADING FOR TRANSPORTATION RATES	= A + B
1. THE PRICES MUST BE QUOTED IN THE PRESCRIBED UNIT ONLY.	