

Project: TEESTA

Item : SUPPLY OF ACSR MOOSE CONDUCTOR

1. For any technical clarification, please contact Mr. Gorav Vig, Sr. Engineer (TBEM); Contact No. 0120-6748457; e-mail: gorav@bhel.in
2. For any commercial clarification, please contact Ms. Sumana Das, Dy. Manager (TBMM); Contact No. 0120- 6748469; e-mail: sumana@bhel.in
3. **Technical PQR & QAP** –As per Annexure.
4. Vendor to quote prices on FOR destination basis including GST.
5. **Vendor Approval-** Bidder's offer will be acceptable subject to final acceptance by end customer. Bidders to provide Performance Certificate, supply experience with supporting documents, details of testing facilities etc. for approval along with the bid documents.
6. Bidder to refer BOQ as per Annexure-I.
7. **Break up of delivery period taken (Delay analysis for cases of delivery extension if required, shall be governed as per below schedule)**

SL.NO.	ACTIVITY	ACTIVITY TIME IN WEEKS
1.	Submission of documents necessary for getting manufacturing clearance like Drawings, data sheet etc. (In scope of vendor)	02
2.	Review and Approval of documents and issue of manufacturing clearance (In scope of BHEL)	02
3.	Manufacturing Time (In scope of vendor)	10
4.	Inspection (In scope of BHEL)	01
5.	Issue of MICC (In scope of BHEL)	01
6.	Dispatch (In scope of vendor)	02

Note – 1 - Supplier to ensure every revised submission incorporating comments within 1 weeks from the date of comments by BHEL.

8. Schedule of Deviation

		Vendor to mention as NIL deviation	Remarks if any
1.	Schedule of Commercial Deviation, if any (All terms and conditions shall be as per GeM except as mentioned above)	NIL	
2.	Schedule of Technical Deviation, if any (Against Technical Specification)	NIL	

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9. **Local content** - For this procurement, the local content to categorize a supplier as class-I local supplier / class-II local supplier / Non-Local supplier and purchase preference to class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020, issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part-II bids against this NIT.

“This tender is not a global tender and only Class-I suppliers as defined under the DPIIT order no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 are eligible to bid in this tender. Bids received from Class-II & Non-Local supplier shall be rejected.”

10. **Payment Terms** - 100% of payment within 90 days for Non-MSME/ 60 Days for medium enterprises/ 45 days for MSE from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows:

- a) LR / GR duly endorsed by BHEL Site Official.
- b) Material Receipt Certificate issued by BHEL Site Official/ CRAC.
- c) GST Compliant Tax Invoice
- d) Packing List (Case-wise)
- e) Copy of Transit Insurance Certificate from underwriters.
- f) Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management
- g) Guarantee Certificate
- h) Copy of Performance Bank Guarantee (PBG)

11. **Guarantee Clause**- The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any, for 18 months from the date of last delivery or 12 months from the date of commissioning, whichever is earlier.

12. **PERFORMANCE BANK GUARANTEE (PBG)** : PBG for 10% of the total Ex-works PO value, valid for 18 months from the date of last delivery with claim period of 3 months extra over and above 18 months. Ex-works PO value at the time of placement of PO shall be considered for calculation of the PBG amount.

- Bidder to mention their works address below from where material will be supplied to Site.

Works Address- -----

Communication Address- -----

Person Name - -----

Email ID – -----

Contact no. - -----

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ANNEXURE-1 (BOQ)

Sl. No.	Description	Qty	Unit
1.	SUPPLY OF ACSR MOOSE CONDUCTOR FOR TEESTA PROJECT	1350	MTR
2.	SPARES- ACSR MOOSE CONDUCTOR FOR TEESTA PROJECT	150	MTR

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Annexure- TQR , Rev. 00

TECHNICAL PRE QUALIFICATION REQUIREMENT

Name of Project : - 4x125MW Teesta-VI HEP
Name of Customer : - LTHP Ltd. (A wholly owned subsidiary of NHPC Ltd.)
Name of Consultant : - NHPC Limited
Name of Item : - ACSR Moose Conductor

TECHNICAL PRE QUALIFICATION REQUIREMENT

The bidder should have manufactured, tested and supplied ACSR Conductor at least 4 km cumulatively in any one year during the last 5 years from the date of technical bid opening of this tender.

SUPPORTING DOCUMENTS TO BE ATTACHED

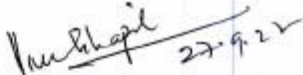
Sr	Required Criteria	Supporting Documents to be submitted by bidder along with technical bid
1	Manufacturing	Approved Drawings / GTP / Approved Quality Plan / Factory Inspection Test Report e.t.c
2	Supply	PO / Dispatch clearance / LR / Material Receipt certificate at site / installation or commissioning certificate e.t.c
3	Type Test	TTR approval from customer / Type Test Report etc.

Notes (General points):

1. Consideration of offer shall be subject to customer's approval of bidder's, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self- attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of all the above criteria / requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.


PREPARED BY

REVIEWED BY


APPROVED BY

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ANNEXURE-QP



गुणवत्ता आश्वासन योजना (प्रारूप) QUALITY ASSURANCE PLAN (MODEL)

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परियोजना (PROJECT) : तीस्ता-VI जल विद्युत परियोजना (TEESTA-VI HEP)

ग्राहक (CLIENT) : एनएचपीसी लिमिटेड (NHPC Ltd)
 विक्रेता (VENDOR) :
 एन आई टी/एन आदेश संदर्भ (NIT/P.O. REFERENCE) :

उपकरण का नाम (NAME OF EQUIPMENT) : CONDUCTOR

क्र. सं. (SR. No.)	मदद घटक एवं विशेषता (ITEM /COMPONENTS & CHARACTERISTICS)	जांच की प्रकृति NATURE OF CHECKS	जांच की मात्रा QUANTUM OF CHECKS	संदर्भ दस्तावेज / स्वीकृति मानदंड REFERENCE DOCUMENTS / ACCEPTANCE NORMS	रिकॉर्ड फॉर्म RECORD FORMAT	निरीक्षण एजेंसी INSP. AGENCY			टिप्पणी REMARKS
						प्रदर्शन Perform	गवाह Witness	सत्यापन न	
A	Raw Material and Bought Out Items								
1	Electrolytic High Gr. Aluminium Rod.								
a)	Chem. Composition	Chemical	100%	Tech. Spec./Appd.drg./IS 5484	TC	3/2	-	1	TC
b)	Diameter	Measurement	-do-	-do-	TC	3/2	-	1	TC
c)	Surface Finish	Visual	-do-	-do-	TC	3/2	-	1	TC
d)	Breaking Load Test	Mechanical	-do-	-do-	TC	3/2	-	1	TC
e)	Resistivity	Electrical	-do-	-do-	TC	3/2	-	1	TC
f)	Elongation	Mechanical	-do-	-do-	TC	3/2	-	1	TC
B	In Process Inspection								
1	Alum. Wire Drawing								
a)	Dia of Die	Measurement	1sample/ coil	Tech. Spec./Appd.drg.	TC	3/2	-	1	TC
b)	Dia of Wire	-do-	-do-	Tech. Spec./Appd.drg./IS 398	TC	3/2	-	1	TC
c)	Joint in Wire	Visual	-do-	-do-	TC	3/2	-	1	TC
d)	Surface Finish	Visual	-do-	-do-	TC	3/2	-	1	TC
e)	Breaking Load Test	Mechanical	-do-	-do-	TC	3/2	-	1	TC
f)	Resistance	Electrical	-do-	-do-	TC	3/2	-	1	TC
g)	Measurement: Wrapping Test	Mechanical	-do-	-do-	TC	3/2	-	1	TC

Note: a. In 'Inspection Agency' column figure 1,2 or 3 to be filled. 1- will indicate 'NHPC Ltd.' 2- will indicate 'Supplier' & 3- will indicate 'Sub-Supplier'.
 b. In 'Record Format & Remarks' column following abbreviations shall be used - JIR - Joint Inspection Report, T.C. - Test Certificate & CHP - Customer Hold Point.
 c. Test certificates shall be submitted at the time of final inspection.



Signature
 NHPC (QA&I DEPT.)

(Handwritten Signature)

Signature & Seal
 (VENDORS Q.C. DEPT. OR REPRESENTATIVE)

(Handwritten Signatures)

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परियोजना (PROJECT) : तीस्ता-VI जन विद्युत परियोजना (TEESTA-VI HEP)

ग्राहक (CLIENT) : एनएचपीसी लिमिटेड(NHPC Ltd)

विक्रेता (VENDOR) :

एन आई टी/क्रय आदेश संदर्भ (NIT/P.O. REFERENCE) :

उपकरण का नाम (NAME OF EQUIPMENT) : CONDUCTOR

क्र. सं. (SR. No.)	मद/ घटक एवं विशेषता (ITEM /COMPONENTS & CHARACTERISTICS)	जांच की प्रकृति NATURE OF CHECKS	जांच की मात्रा QUANTUM OF CHECKS	संदर्भ दस्तावेज / स्वीकृति मानक REFERENCE DOCUMENTS / ACCEPTANCE NORMS	रिकॉर्ड फॉर्म RECORD FORMAT	निरीक्षण एजेंसी INSP. AGENCY			टिप्पणी REMARKS
						प्रदर्शन Perform	गवाह Witness	सत्यापन ज	
2	Testing of Stranded Steel								
a)	Dia of individual wire	Measurement	Each wire/drum	Tech. Spec./Appd.drg./IS-398	TC	3/2	-	1	TC
b)	Breaking Load	Mechanical	-do-	Tech. Specn./IS-1521& IS-398/76	TC	3/2	-	1	TC
c)	Torsion Test	-do-	-do-	-do-	TC	3/2	-	1	TC
d)	Elongation Test	-do-	-do-	-do-	TC	3/2	-	1	TC
e)	Wrapping Test	-do-	-do-	-do-	TC	3/2	-	1	TC
3	Galvanising Test								
a)	Wt. of Zinc Coating	Chemical	-do-	Tech. Spec./Appd.drg./IS-4826	TC	3/2	-	1	TC
b)	Uniformity of Zinc Coating (Dip Test)	-do-	-do-	Tech. Spec./Appd.drg./IS-2633	TC	3/2	-	1	TC
c)	Surface Finishing	Visual	-do-	-do-	TC	3/2	-	1	TC
d)	Purity of Zinc	Chemical	-do-	Tech. Spec./Appd.drg./IS-209	TC	3/2	-	1	TC
C	Final Inspection:								
1	Conductor								
a)	Over all Dia	Measurement	Sample plan	Tech. Spec./Appd.drg./IS-398	JIR	3/2	1	-	CHP
b)	Lay Direction	Test	-do-	-do-	JIR	3/2	1	-	CHP
c)	Lay ratio for Aluminium & Steel	Test	-do-	-do-	JIR	3/2	1	-	CHP

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b. In 'Record Format & Remarks' column following abbreviations shall be used - JIR - Joint Inspection Report, T.C. - Test Certificate & CHP - Customer Hold Point.
c. Test certificates shall be submitted at the time of final inspection.



IMS/QA/F-01
Rev.-03 Effective date-09.01.19

Signature
NHPC (QA&I DEPT.)

[Handwritten Signature]

Signature & Seal
(VENDORS Q.C. DEPT. OR REPRESENTATIVE)

[Handwritten Signature] *[Handwritten Seal]*

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परियोजना (PROJECT) : तीस्ता-VI जल विद्युत परियोजना (TEESTA-VI HEP)

ग्राहक (CLIENT) : एनएचपीसी लिमिटेड(NHPC Ltd)

विक्रेता (VENDOR) :

एन आई टीकच आदेश संदर्भ (NIT/P.O. REFERENCE) :

उपकरण का नाम (NAME OF EQUIPMENT) : CONDUCTOR

क्र. सं. (SR. No.)	भद्र/घटक एवं विशेषता (ITEM /COMPONENTS & CHARACTERISTICS)	जांच की प्रकृति NATURE OF CHECKS	जांच की मात्रा QUANTUM OF CHECKS	संदर्भ दस्तावेज़ / स्वीकृति मानदंड REFERENCE DOCUMENTS / ACCEPTANCE NORMS	रिकॉर्ड फॉर्म RECORD FORMAT	निरीक्षण एजेंसी INSP. AGENCY			टिप्पणी REMARKS	
						प्रदर्शन Perform	गवाह Witness	सत्यापन न Verify		
2	Aluminium Strand									
	a) Diameter	Measurement	Sample plan	Tech Spec./Appd drg./IS 398	JIR	3/2	1	-	CHP	
	b) Breaking Load Test	Mechanical	-do-	-do-	JIR	3/2	1	-	CHP	
	c) Resistance	Electrical	-do-	-do-	JIR	3/2	1	-	CHP	
d) Wrapping	Mechanical	-do-	-do-	-do-	JIR	3/2	1	-	CHP	
3	Steel Strand									
	a) Diameter	Measurement	-do-	-do-	JIR	3/2	1	-	CHP	
	b) Breaking Load Test	Mechanical	-do-	-do-	JIR	3/2	1	-	CHP	
	c) Elongation	-do-	-do-	-do-	JIR	3/2	1	-	CHP	
	d) Torsion	-do-	-do-	-do-	JIR	3/2	1	-	CHP	
	e) Wrapping Test	-do-	-do-	-do-	JIR	3/2	1	-	CHP	
	f) Wt. Of Zinc Coating	Chemical	-do-	-do-	Tech Spec./IS 4826 & 6745	JIR	3/2	1	-	CHP
	g) Uniformity of Zinc Coating	Chemical	-do-	-do-	-do-	JIR	3/2	1	-	CHP
4	Conductor Drum Dimension	Measurement	Sample plan	Tech Spec./Appd.drg./IS.1778	TC	3/2	-	1	TC	
	D Routine Test All tests covered under Acceptance test	Measurement	100%	Tech Spec./Appd drg./IS.398	TC	3/2	-	1	TC	

Note. a In 'Inspection Agency' column figure 1,2 or 3 to be filled. 1- will indicate 'NHPC Ltd', 2- will indicate 'Supplier' & 3- will indicate 'Sub-Supplier'

b In 'Record Format & Remarks' column following abbreviations shall be used - JIR - Joint Inspection Report, T.C. - Test Certificate & CHP - Customer Hold Point.

c Test certificates shall be submitted at the time of final inspection.



IMS/QA/IF-01
Rev.-03 Effective date-09.01.19

Signature
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(Handwritten Signature)

Signature & Seal
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(Handwritten Signatures)

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Item Name :	
Enquiry No. :	
Project :	
Type of project	Thermal Transmission / Thermal (Coal or Gas) / Hydro
Applicable percentage of Local Content	

Format for Affidavit of Self certification regarding Minimum Local Content in line with PPP-MII order, 2017 if applicable, **to be provided on a non-judicial stamp paper of Rs. 100/-.**

Date: / /2019

I _____ S/o, _____ D/o, _____ W/o, _____ Resident of _____ hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (*hereinafter PPP-MII order*) of Government of India issued vide Notification No:P-45021/2/2017 -BE-II dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/ Amendments, if any and

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity/ **BHEL** or any other Government authority for the purpose of assessing the local content of goods/services/ works supplied by me for **(Enter the name of the Equipment/Item for Project).**

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

That the goods/services/works supplied by me for **(Enter the name of the Equipment/Item for Project)** meets the 'Minimum Local Content 'as defined in the PPP-MII order.

That the value addition for the purpose of meeting the 'Minimum Local Content 'has been made by me at **(Enter the details of the location(s) at which value addition is made).**

That in the event of the local content of the goods/services/works mentioned herein is found to be incorrect and not meeting the prescribed Minimum Local Content criteria, based on the assessment of procuring agency (ies)/ **BHEL**/Government Authorities for the purpose of assessing the local content, action shall be taken against me in line with the PPP-MII order and provisions of the Integrity pact/ Bidding Documents.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority.

- i Name and details of the Local Supplier
(Registered Office, Manufacturing unit location, nature of legal entity)

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- ii. Date on which this certificate is issued
- iii. Goods/services/works for which the certificate is produced
- iv. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed and whether it meets the Minimum Local Content prescribed
- vi. Name and contact details of the unit of the Local Supplier (s)
- vii. Sale Price of the product
- viii Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi List and total cost value of input used to manufacture the Goods/to provide services/in construction of works
- xii. List and total cost of input which are domestically sourced. Value addition certificates from suppliers, if the input is not in-house to be attached
- xiii. List and cost of inputs which are imported, directly or indirectly

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

Bid Document

Bid Details	
Bid End Date/Time	17-10-2022 17:00:00
Bid Opening Date/Time	17-10-2022 17:30:00
Bid Offer Validity (From End Date)	180 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10340020-tbg, Noida
Total Quantity	1500
Item Category	ACSR CONDUCTOR - TYPE: MOOSE (Q3)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Time allowed for Technical Clarifications during technical evaluation	2 Days
Payment Timelines	Payments shall be made to the Seller within 90 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00

Duration of ePBG required (Months).

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(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Deputy Manager

10340020-TBG, Noida, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises
(Sumana Das)

Splitting

Bid splitting not applied.

Reserved for Make In India products

Reserved for Make In India products

Yes

MSE Purchase Preference

MSE Purchase Preference

Yes

1. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100%(selected by Buyer) percentage of total QUANTITY.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will

be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Excel Upload Required:

UNPRICED BID - [1664604981.xlsx](#)

ACSR CONDUCTOR - TYPE: MOOSE (1500 kilometer)

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
------------	------------------

Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Standards	Conformity of the specification for Aluminium conductors for overhead transmission purposes	as per IS:398 (Part 5):1996 latest
	ISI Marked (If "Yes" Select 2 If "No" select 1)	2 Or higher
	Govt. Organization with which seller is registered	POWERGRID, NA
	Aluminium wires :Properties and characteristics	as per IS:398 (Part 5):1996 latest, as per IEC:60889 latest
	Steel Wire: Properties and characteristics as prescribed for regular strength steel wire	as per IS:398 (Part 5):1996 latest
	Testing and Inspection protocol	as per IS:398 (Part 5):1996 latest
	Type Test, Acceptance test, Routine Tests parameters, test methods and requirements	as per Cl. 14 of IS:398 (Part 5):1996 latest
	Packing and marking	as per Section 4 of IS:398 (Part 5):1996 latest, as per Annexure C attached for POWERGRID
	Steel Drums for packing of finished conductor	as per Annexure D attached for POWERGRID, as per OEM's drawing, Not applicable
	Wooden Drums for packing of finished conductor	as per Annexure E attached for POWERGRID, as per OEM's drawing, Not applicable
	Price variation	as per Annexure F attached for POWERGRID, Not applicable

Specification	Specification Name	Bid Requirement (Allowed Values)
	Agreed to obtain approval of manufacturing quality plan from buyer before commencement of manufacturing and agreed to follow the same	Yes
	All the Annexures attached above are seen and understood	Yes
Transmission Line Parameters	Voltage rating	400KV
	Bundle Configuration	Two Conductor, Four Conductor
Construction	Shape of conductor	Stranded
	No. of Aluminium wires in conductor (in Nos.)	54
	Aluminium wire diameter, Nominal (in mm)	3.53 (Minimum: 3.51 mm, Maximum: 3.55 mm)
	No. of Steel wires in conductor (in Nos.)	7
	Steel wire diameter, Nominal (in mm)	3.53 (Minimum: 3.47 mm, Maximum: 3.59 mm)
	Steel Core (in Nos.)	1
	No. of of wires on 1st steel layer (in Nos.)	6
	No. of of wires on 1st Aluminium layer (in Nos.)	12
	No. of of wires on 2nd Aluminium layer (in Nos.)	18
Chemical Composition - Aluminium	Minimum Purity of aluminium (in %)	99.5
	Maximum copper content (in %)	0.04
Chemical Composition - Steel wires / Rods	Carbon (in %)	0.50 to 0.85
	Manganese (in %)	0.50 to 1.10
	Phosphorous (in %)	</=0.035
	Sulphur (in %)	</=0.045
	Silicon (in %)	0.10 to 0.35
	Minimum purity of zinc (in %)	99.95
Breaking load	Minimum breaking load of strand: Aluminium: Before stranding (in KN)	1.57
	Minimum breaking load of strand: Aluminium: After stranding (in KN)	1.49

Specification	Specification Name	Bid Requirement (Allowed Values)
	Minimum breaking load of strand: Steel: Before stranding (in KN)	12.86
	Minimum breaking load of strand: Steel: After stranding (in KN)	12.22
	Method for tensile testing of steel wire	as per IS:1521:1972 latest, as per IEC 60888 latest
Galvanizing	Zinc used for galvanizing shall be electrolyte high grade zinc	as per IS:209:1992 latest
	Methods for testing uniformity of coating of zinc coated articles	as per IS:2633:1986 latest
	Hot-Dipped Galvanized Coatings on Round Steel Wire	as per IS:4826:1979 latest, as per IEC 60888 latest
	Method for determination of mass of zinc coating on zinc coated iron and steel articles	as per IS:6745:1972 latest
	Minimum weight of zinc coating per Sq.mm (in gm)	250
	Minimum number of dips that the galvanised strand can with stand in the standard preece test	2 of one minute and 1 of half minute
	Recommended Practice for Hot-Dip Galvanizing of Iron and Steel	as per IS:2629:1985 latest
	Minimum no. of twists in gauge length equal 100 times the dia., of wire which the strand can withstand in the torsion test (after stranding)	16
Stranded Conductor	Overall diameter (in mm)	31.77
	Sectional area of aluminium (in Sq.mm)	528.5
	Total sectional area (in Sq.mm)	597
	Minimum UTS of the conductor (in KN)	161.2
	Maximum DC resistance of the conductor at 20 deg. C (in Ohm/Km)	0.05552
Standard Length	Standard length of the conductor (in m)	2100+/-5% as per Annexure A attached for POWERGRID, 2100+/-5%

Specification	Specification Name	Bid Requirement (Allowed Values)
	Linear mass of the conductor, Standard (in Kg/Km)	2004 (Minimum: 1969 Kg/Km, Maximum: 2040 Kg/Km)
Lay Length of Outer Steel Wire	Minimum Lay length, 1st Steel layer (in mm)	16 to 18
	Minimum Lay length, 1st Aluminium layer (in mm)	12 to 14
	Minimum Lay length, 2nd Aluminium layer (in mm)	11 to 13
JOINTS IN WIRES	Aluminium wires: Individual wires in the inner layers of the finished conductor	Joints permitted (But not more than 4 per conductor length and shall not be closer than 15 meters from joint in the same wire or in any other aluminium wire of the completed conductor.)
	Aluminium wires: Cold pressure butt welding withstand a stress of	Not less than the breaking strength of individual strand as per relevant IS/IEC specifications
PACKING	Finished Conductor shall be supplied with	Painted steel drum, Wooden drums
	Sealing of finished conductor	Both end of the conductor sealed.
	Drums are returnable	96% of total drums returnable, Non returnable
	Protection for conductor against all damage and displacement during transit, storage and subsequent handling and stringing operations in the field	Protected
	Outer Covering material on the conductor after packing on drums	Covered with Solid Polypropylene sheet with minimum 5mm thickness, Covered wooden lagging with minimum 50 mm thickness
	Supplier shall be responsible for any loss or damage during transportation, handling and storage due to improper packing.	Yes
CERTIFICATIONS	Availability of Type test report to prove conformity to the specification	Yes, as per Annexure-B attached for POWERGRID

Additional Specification Parameters - ACSR CONDUCTOR - TYPE: MOOSE (1500 kilometer)

Specification Parameter Name	Bid Requirement (Allowed Values)
Qty required	1500 Mtrs
Price Variation	Not Applicable
Bidders to follow	Technical Specification
Finished Conductor shall be supplied with	Wooden Drums
Drums are	Non- returnable

* Bidders offering must also comply with the additional specification parameters mentioned above.

Additional Specification Documents

Applicable Specification Document	View
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Partha Tarafder	737126,Senior Manager (Electrical), Teesta-VI HE Project LANCO TEESTA Hydro Power Limited Pamhok	1500	126

Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

After award of contract - Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 21 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 7 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

5. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

6. **Inspection**

Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

7. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

8. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Bidder to comply to Technical specification & submit documents as per PQR

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9. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking

payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---