

Bid Document

Bid Details	
Bid End Date/Time	16-04-2021 15:00:00
Bid Opening Date/Time	16-04-2021 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	50 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Power Grid Corporation Of India Limited
Organisation Name	Power Grid Corporation Of India Limited
Office Name	Corporate Office Gurgaon
Total Quantity	200
Item Category	ACSR Conductor, Type: Lapwing (POWERGRID)
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),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (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
Time allowed for Technical Clarifications during technical evaluation	5 Days
Inspection Required	No
Estimated Bid Value	109100000
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	29

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

Beneficiary:

POWER GRID CORPORATION OF INDIA LIMITED
Saudamini, Plot No.2, Sector 29, Gurugram, Haryana
(Power Grid Corporation Of India Limited)

Splitting

Bid splitting not applied.

Reserved for Make In India products

Reserved for Make In India products	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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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 25%(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.

ACSR Conductor, Type: Lapwing (POWERGRID) (200 kilometer)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unregistered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
TRANSMISSION LINE	Voltage rating	400 KV

PARAMETERS	Bundle Configuration	Two Conductor
STANDARDS	Conformity of the specification for Aluminium conductors for overhead transmission purposes	Generally conforming to IS : 398 latest and with additional requirement as mentioned below (as per POWERGRID Specn.,) and with additional requirement as per IEC specn., as mentioned below
	Govt. Organization with which seller is registered	POWERGRID
	Aluminium wires :Properties and characteristics	as per IEC:60889 latest
	Steel Wire: Properties and characteristics as prescribed for regular strength steel wire	as per IEC:60888:1987 latest
	Testing and Inspection protocol	as per Annexure-A attached for POWERGRID
	Type Test, Acceptance test, Routine Tests parameters, test methods and requirements	as per Annexure-B attached for POWERGRID
	Packing and marking	as per Annexure C attached for POWERGRID
	Steel Drums for packing of finished conductor	as per Annexure D attached for POWERGRID
	Wooden Drums for packing of finished conductor	as per Annexure E attached for POWERGRID
	Price variation	as per Annexure F attached for POWERGRID
	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
CONSTRUCTION	Shape of conductor	Round, Stranded
	No. of Aluminium wires in conductor (in Nos.)	45
	Aluminium wire diameter, Nominal (in mm)	4.78 (Minimum: 4.75 mm, Maximum: 4.81 mm)
	No.of Steel wires in conductor (in Nos.)	7
	Steel wire diameter, Nominal (in mm)	3.18 (Minimum: 3.12 mm, Maximum: 3.24 mm)
	Steel Core (in Nos.)	1
	No. of wires on 1st steel layer (in Nos.)	6
	No. of wires on 1st Aluminium layer (in Nos.)	9
	No. of wires on 2nd Aluminium layer (in Nos.)	15
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)	2.87
	Minimum breaking load of strand: Aluminium: After stranding (in KN)	2.73
	Minimum breaking load of strand: Steel: Before stranding (in KN)	10.43
	Minimum breaking load of strand: Steel: After stranding (in KN)	9.91
	Method for tensile testing of steel wire	as per IS:1521:1972 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
	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
	Min. elongation of the steel strand (after stranding) for a gauge length of 250 mm (after break) (in%)	3.5
STRANDED CONDUCTOR	Overall diameter (in mm)	38.22
	Sectional area of aluminium (in Sq.mm)	807.5
	Total sectional area (in Sq.mm)	863.1
	Minimum UTS of the	188

	conductor (in KN)	
	Maximum DC resistance of the conductor at 20 deg. C (in Ohm/Km)	0.0358
STANDARD LENGTH	Standard length of the conductor (in m)	1800+/-5% as per Annexure A attached for POWER GRID
	Linear mass of the conductor, Standard (in Kg/Km)	2667 (Minimum: 2628 Kg/Km, Maximum: 2707 Kg/Km)
LAY LENGTH OF OUTER STEEL WIRE	Minimum Lay ratio, 1st Steel layer (in mm)	18 to 30
	Minimum Lay ratio, 1st Aluminium layer (in mm)	10 to 17
	Minimum Lay ratio, 2nd Aluminium layer (in mm)	10 to 16
	Minimum Lay ratio, 3rd Aluminium layer (in mm)	10 to 13
WORKMANSHIP	Aluminium and steel strands shall be	Smooth, uniform and free from all imperfections.
JOINTS IN WIRES	Aluminium wires: Cold pressure butt welding withstand a stress of	Not less than the breaking strength of individual strand
PACKING	Finished Conductor shall be supplied with	Painted steel drum
	Sealing of finished conductor	Both end of the conductort sealed.
	Drums are returnable	96% of total drums 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 5 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 POWER GRID

Additional Specification Parameters - ACSR Conductor, Type: Lapwing (POWERGRID) (200 kilometer)

Specification Parameter Name	Bid Requirement (Allowed Values)
HSN for ACSR Lapwing Conductor	HSN Code : 76141000 at tax rate of 18%
Construction - No. of wires on 3rd Aluminium layer (in Nos.)	21

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

Additional Specification Documents

Applicable Drawing Document	View
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Arwot Lang Syngkon	793006,Power Grid Corporation Of India Limited,NERPSIP , Project Manager Office North Eastern Region Tranmission System, Inside Campus of Regional Head Quarter, Dongtieh, Lower Nongrah , Lapalang, Shillong-793006	200	240

Buyer Added Bid Specific Additional Terms and Conditions

- 1.**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- 2.Bidder shall submit the following documents along with their bid for Vendor Code Creation:
 - a. Copy of PAN Card.
 - b. Copy of GSTIN.
 - c. Copy of Cancelled Cheque.
 - d. Copy of EFT Mandate duly certified by Bank.
- 3.**End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
- 4.**OPTIONAL SITE VISIT:**
 1. The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder. Yes
 2. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit.
 3. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.
- 5.Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.
- 6.1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
 2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
 3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
- 7.Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
 - i) The Seller fails to comply with any material term of the Contract.
 - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
 - iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
 - iv) The Seller becomes bankrupt or goes into liquidation.
 - v) The Seller makes a general assignment for the benefit of creditors.
 - vi) A receiver is appointed for any substantial property owned by the Seller.
 - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

8. 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% 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 percentage of 25% of total value.
9. **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.
10. 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.
11. Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [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 specification 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.

[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---