

**The Tata Power Company Limited Invites Tenders** through E-Tender Two-Part Bidding Process from interested bidders (with manufacturing facilities in India) for the following Works required for its Transmission & Distribution Divisions: -

**A. Summary of the tendered packages (CC20VM061):**

| Sr. No.   | Description   | Tender Reference no. | Bid Guarantee Fee / EMD (Rs.) | Tender Fee (Rs.) |
|---|---|----------------------|-------------------------------|------------------|
| <p>For the following package contact person shall be Mr. Vivek Mittal (<a href="mailto:vivek.mittal@tatapower.com">vivek.mittal@tatapower.com</a>) with copy to Mr. Milan Patel (<a href="mailto:mrpatel@tatapower.com">mrpatel@tatapower.com</a>).</p> |   |                      |                               |                  |
| 1.  | <p>Subject package is EPC contract for Replacement of 220 KV GIS including Civil, Protection, Automation, &amp; Balance of Plant equipment at Borivali Receiving station at Mumbai. Following is the brief scope of works:</p> <p>The brief scope of work includes Design, Engineering, Manufacturing and Testing at Manufacturer's works, packing and forwarding, transport, insurance during transit, delivery in good condition at site, storage at site, handling at site, Erection, Testing after Erection, commissioning, performance testing and handing over of 10 bays of 220kV indoor GIS (consisting of 6 no. of Line bays, 3 no. ICT bays, 1 bus coupler bay) with double busbar arrangement complete with circuit breakers, disconnectors, earthing switches, current &amp; voltage transformers, lightning arrestors, local control panels, bus duct and cable compartments at Borivali.</p> <p><i>(Detailed scope shall be issued along with the tender enquiry)</i></p> | CC20VM<br>061        | 10,00,000 /-                  | 2,000 /-         |

For additional technical details and Pre-qualification criteria for the subject works please refer section C below.

**B. Guidelines for Participating:**

Interested bidders having executed similar projects can participate by submitting the following up to 1500 hours on Wednesday – 18<sup>th</sup> December 2019:

1. Non-Refundable Tender Fee, as indicated in table above, in the form of
  - a. Demand Draft in the name of "The Tata Power Company Limited" payable at Mumbai along with a covering letter clearly indicating the Tender Reference number.
  - (or)
  - b. Direct deposit in the following bank account and submit the receipt along with a covering letter clearly indicating the Tender Reference number –

Beneficiary Name – The Tata Power Co. Ltd.  
 Bank Name – HDFC Bank Ltd.  
 Branch Name – Fort Branch, Mumbai  
 Address – Maneckji Wadia Building, Nanik Motwani Marg, Fort, Mumbai 400023.  
 Branch Code – 60  
 Bank & Branch Code – 400240015  
 Account No – 00600110000763  
 Account type – CC  
 IFSC Code – HDFC0000060

2. Bidders to also submit duly signed and stamped letter indicating name of authorized person, contact number and e-mail id (mandatory) on Bidder's letterhead. It is mandatory to mention Tender Reference no. in the said letter.

Note: - Once the above-mentioned documents are received, detailed RFQ shall be issued through our e-tender system.

Interested Bidder has to get in touch with respective contact persons, mentioned above, at Tata Power Sahar Receiving Station, T2 Airport Road, Sahar, Andheri (E), Mumbai 400 059 (Near Leela Hotel) for submitting the documents.

It may be noted that all future correspondence will be strictly done only with **Interested Bidders** who have done the above steps in time with Authorized Person only through Tata Power E-Tender System.

**C. Addition technical details:** Following is the Pre-qualification criteria,

**1. Technical Prequalification Criteria Part A : For EPC Package for 220 kV GIS Replacement at Receiving station at Borivali**

| S No | Parameter                                      | Tata Power Requirement   | Documents to be submitted by Bidder for ascertaining Pre-qualification requirement                                     |
|------|--|--|--|
| 1    | <b>EPC Projects with bays</b>                  | 10 projects of EHV GIS / AIS (145 kV & above) with minimum 50 no. of bays overall, in last 5 years.  | Supply List of past 5 Years (Bidder to provide name of the project and the number of bays constructed in each project) |
| 2    | <b>EPC Projects for Balance of plant items</b> | At least 4 projects out of above 10 projects with the scope as mentioned below in general, on EPC basis<br>(i) AIS bays / GIS systems (145 kV & above),<br>(ii) Protection, Automation and Communication system,<br>(iii) All Civil works,<br>(iv) All related balance of plant works. | Supply List of past 5 Years (Bidder to provide name of the project and BOP packages constructed in each project)       |

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| 3 | <b>Performance</b>                      | Minimum 5 projects should have been in commercial operation for minimum period of 2 years.   | Performance certificate from customers                                 |
| 4 | <b>Manufacturing facility</b>           | All equipment offered must be sourced from vendors who have manufacturing facilities in India.   | Details of manufacturing facilities                                    |
| 5 | <b>Warranty</b>                         | Bidder shall provide 5 years warranty for the supplied and installed products  | Warranty certificate   |
| 6 | <b>Tata Power vendor/subvendor list</b> | Acceptance of Tata Power's preferred list of vendor / sub vendor / OEM, which will be shared as part of Technical Specifications.  | Acceptance of Tata Power's preferred list of vendor / sub vendor / OEM |
| 7 | <b>Accreditation</b>                    | Bidder shall have ISO 9001, ISO 14001 and OHSAS 18001 certifications. If the bidder does not have these certifications, bidder shall give undertaking to obtain these certifications before start of works, in the event bidder is successful. | Copy of accreditation certificates                                     |

**2. Technical Prequalification Criteria Part B: For 220 kV GIS :** (The EPC Bidder shall itself meet following PQ or shall supply GIS from suppliers meeting following PQ criteria)

| S No | Parameter         | Tata Power Requirement   | Documents to be submitted by Bidder for ascertaining Pre-qualification requirement  |
|------|-------------------|--|---|
| 1    | <b>OEM of GIS</b> | Manufacturer must be an OEM of EHV GIS and must have designed, manufactured, type tested (as per IEC or equivalent standard), supplied and supervised erection and commissioning of 100 no. GIS bays of 145/245/400 kV voltage class during last 3 years as on the scheduled date of bid opening and 50 bays must be in satisfactory commercial operation for at least 3 years as on the scheduled date of bid opening | 1. Valid Factory licence of parent company of EHV GIS as on date of bid opening, Indicating address of the factory & the name of product being manufactured.<br><br>2. Declaration from GIS Manufacturer's Parent factory confirming manufacturing since ..... (month & Year) |

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| 2  | <b>Place of Manufacturing of GIS</b>              | Manufacturer must have EHV GIS manufacturing and testing facilities in India for 145/245/400 kV voltage level. The Manufacturer shall confirm that design and manufacturing process of offered EHV GIS manufactured in Indian facility is identical to that in Manufacturer's parent factory without any change and approved by the parent.  | 1. Valid Factory licence as on date of bid opening, Indicating address of the factory & the name of product being manufactured.<br><br>2. Declaration fro GIS Manufacturer's Parent factory confirming design and manufacturing process of offered EHV GIS manufactured in Indian facility is identical to that in bidder's parent factory without any change        |
| 3  | <b>Type testing of GIS</b>                        | Manufacturer shall offer EHV GIS which is successfully type tested (as per IEC or equivalent standards). Type test reports of offered EHV GIS design, manufactured either in Indian facility or in parent facility are acceptable. The type test certificate of the EHV GIS shall not be more than 5 years old as on the scheduled date of bid opening. Time period for type test may be extended by another 5 years as a special case, if there is no change in design / material of construction (MOC) | 1. List of Type tests carried out.<br><br>2. All Type test reports of offered EHV GIS design, manufactured either in Indian facility or in parent facility   |
| 4  | <b>Quantity of bays supplied &amp; in service</b> | Manufacturer can offer EHV GIS from the Indian manufacturing facility only if Manufacturer has supplied minimum 100 no. of bays of 145/245/400 kV voltage level from same Indian manufacturing facility as on the scheduled date of bid opening and 50 bays shall be in satisfactory commercial operation for three year on the date of bid opening.   | 1. Total number & the month wise list of 145/245/400 kV voltage level GIS supplied from Indian Manufacturing facility shall be more than 100 no.<br><br>2. Total number & the month wise list of 145/245/400 kV voltage level GIS supplied from Indian Manufacturing facility and in satisfactory commercial operation for three year as on the date of bid opening. |
| <b>OR</b><br><b>Alternatively Manufacturer can offer EHV GIS from the Indian manufacturing facility if meeting following requirements:</b> |   |  |  |
|  | <b>Quantity of bays supplied &amp; in service</b> | The parent company should have designed, manufactured, type tested (as per IEC or equivalent standards), supplied and supervised erection and commissioning of not less than 100 no. 145/245/400 kV bays in India as on the scheduled date of bid opening and 50 bays must be in satisfactory commercial operation for at least 3 years as on date of bid opening.   | 1. Total number & the month wise list of 145/245/400 kV voltage level GIS supplied from Parent Manufacturing facility shall be more than 100 no.<br><br>2. Total number & the month wise list of 145/245/400 kV voltage level GIS supplied from Parent Manufacturing facility and in satisfactory commercial operation for   |

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|  |                                      |  | three year as on the date of bid opening.  |
|  | <b>Agreement with Parent company</b> | Manufacturer shall offer equipment from a factory which has Technology Licensing Agreement with their parent company valid as on date of bid opening for design, manufacture, testing, supply and after sales service for EHV GIS equipment in India | Copy of Technology Licensing Agreement with their parent company valid as on date of bid opening   |
|  | <b>Gaurantee</b>                     | Manufacturer shall provide, from parent company, warranty for total 5 years for the EHV GIS manufactured in India, backed up by an equivalent performance bank guarantee.  | Confirmation from parent factory of the GIS Manufacturer on acceptance of this clause of 5 year guarantee from commissioning of the EHV GIS. |

**General Qualifying Requirements:**

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| <b>5</b> | <b>New vendor Evaluation</b> | Acceptance of Purchaser's preferred list of vendor / sub vendor / OEM, which will be shared as part of Technical Specifications. However, if Bidder introduces additional vendor/sub vendor the same will be evaluated separately. This vendor/sub vendor evaluation / assessment shall inter-alia include (i) document verification; (ii) Manufacturers work / manufacturing facilities visit (iii) manufacturing capacity, details of works executed, works in hand, anticipated in future and the balance capacity available for present scope of works; (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources; (v) details of quality systems in place; (vi) past experience and performance; (vii) customer feedback; (viii) response to complaint. | Confirmation from GIS Manufacturer proposed by the bidder on acceptance of this clause for vendor / sub vendor evaluation process for EHV GIS                                   |
| <b>6</b> | <b>New vendor Evaluation</b> | In the event the bidder proposes to introduce new vendor, bidder will be loaded at the rate of Rs. 2 lakhs per vendor towards resources required to be provided by Tata Power for evaluation of new vendor, also the process will take at least 2 months   | Confirmation from the bidder on acceptance of this clause for vendor / subvendor evaluation process for EHV GIS   |
| <b>7</b> | <b>Drawing submissions</b>   | Manufacturer must agree for handing over, to Purchaser, all project related drawings in AutoCAD format only. The pdf versions of above drawings shall be submitted through Wrench for formal approval process.   | Confirmation of GIS Manufacturer for<br>1. handing over AutoCAD copy of drawings.<br>2. submission pdf copies of drawings/documents through Wrench for formal approval process. |

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| 8 | <b>Acceptance of SQP &amp; FQP</b> | Manufacturer must accept (without any deviations) minimum quality requirements defined in SQP & SFP of standard specifications | Confirmation from GIS Manufacturer proposed by the bidder on acceptance of attached standard MQP & FQP for EHV GIS |
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**3. Technical Prequalification Criteria Part C: For Protection, Automation & Communication (PAC) System:** (The EPC Bidder shall itself meet following PQ or shall supply PAC system from suppliers meeting following PQ criteria)

| S No | Parameter   | Tata Power Requirement  | Documents to be submitted by Bidder for ascertaining Pre-qualification requirement  |
|------|---|---|---|
| 1    | <b>Design, Engineering, Manufacturing, Supply, Supervision of Installation, Testing and Commissioning</b> | The bidder shall have carried out design, engineering, manufacturing, supply and supervision of installation, testing and commissioning of type tested products for a minimum 20 nos. Protection, Automation and Communication systems for 110 kV and above sub-stations with at least 10,000 Input-Output Points (of Gateways) for each project. The system supplied should have been in satisfactory commercial operation for a minimum period of 05 years as on scheduled date of the bid opening.                                   | 1) Bidder to submit List of 10 latest Projects with all technical and Purchaser's details.<br>2) The details shall cover at least 5 projects, which are executed in India with the same product offered |
| 2    | <b>Manufacturing Facility</b>   | Bidder must be OEM of Protection relays, Sub-station Automation and Communication system, having manufacturing and testing facility in India.<br><br>Protection and Sub-Station Automation must be from the same OEMs.  | Details of Manufacturing Facilities   |
| 3    | <b>Product Selection</b>  | OEM shall demonstrate required functionality and capability in Purchaser's Lab / OEM factory.<br><br>Bidder shall offer latest software on open architecture and should have supplied these at least for 5 projects in last 2 years.<br><br>The offer product shall comply to all open protocols such as IEC61850, C37.94 etc. and compatible with all other OEMs product. Any interoperability issues arising during commissioning and during guarantee period, bidder shall undertake to resolve them within maximum 2 months period. | Bidder to Confirm<br><br>Bidder to submit List of 5 latest Projects with all technical and Purchaser's details.<br><br>Bidder shall submit the undertaking  |
| 4    | <b>Performance</b>  | The system supplied should have been in satisfactory commercial operation for a minimum period of 05 years as on scheduled date of the bid opening.   | Performance Certificate from Four different customers   |

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| 5 | <b>Warranty</b>                         | Bidder shall provide extended warranty for additional 3 years over and above as mentioned in relevant clause of GCC (which is 2 years) for the supplied protection, automation and communication equipment of this package including sub-vendor products. Bidder shall consider the scope for warranty as specified in the specifications   | Bidder to Confirm  |
| 6 | <b>Service Support</b>                  | Bidder must have support service Centre in India to cater after sales services  | Support Service Centre Details   |
|   |   | Technical support facilities including qualified man-power, testing tools and instruments and integration facilities available within India   | Bidder to submit relevant financial document, organogram, list test facilities available within India          |
| 7 | <b>Type Tests</b>                       | All offered equipment should have been successfully type tested at any of the internationally accredited laboratories in line with relevant standards   | Type Test reports as per attached SQP. Reports should be within last 5 years from date of bid submission       |
|   |   | The type test certificates of the equipment shall not be more than 5 years old as on the schedule date of bid opening.  |  |
| 8 | <b>Tata Power Vendor/Subvendor list</b> | Acceptance of Tata Power's preferred list of vendor / sub vendor / OEM, which is shared as part of Technical Specifications and the same shall be acceptable to the bidder. However, if bidder introduces additional vendor/sub vendor the same will be evaluated separately as per clauses mentioned below   | List of Vendor / Sub Vendor / OEM for supplying of Protection, Sub-Station Automation and Communication System |
|   |   | i. If bidder introduces additional vendor, bidder must agree to offer and supply the equipment / systems from the new vendor which meets / complies all qualifying requirements mentioned for individual equipment / systems in respective technical specifications and must submit supporting documents to establish the same along with the bid.  |  |
|   |   | ii. This vendor/sub vendor evaluation / assessment shall inter-alia include (i) document verification; (ii) bidders work / manufacturing facilities visit (iii) manufacturing capacity, details of works executed, works in hand, anticipated in future and the balance capacity available for present scope of works; (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources; (v) details of quality systems in place; (vi) past experience and performance; (vii) customer feedback; (viii) response to complaint. |  |
|   |   | iii. In the event the bidder proposes to introduce new vendor, bidder will be loaded at the rate of Rs. 2 lakhs per vendor towards resources required to be provided by Tata Power for evaluation of new vendor.  |  |
| 9 | <b>Documents</b>                        | Bidder must agree for handing over, to Purchaser, all project related drawings in AutoCAD format as a part of as built drawings at  | Bidder to confirm  |

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|           |   | the end of the project in addition to pdf. The pdf versions of above drawings shall be submitted through wrench for formal approval process during detailed engineering. |  |
| <b>10</b> | <b>Equipment and Spare Support and Availability</b> | Min 15 Years   | Bidder to submit each Product Life Cycle details |

**4. Prequalification Criteria (Commercial):**

- a) Bidder shall have an average annual turnover of not less than Rs 120 Cr (Average of last 03 years).
- b) Bidder shall have executed a similar project with single order value of not less than Rs 60 Cr ,during last 05 years.

*Last 03 or 05 years for the purpose of prequalification shall be ascertained from the date of submission of the bid.*