

The Tata Power Company Limited Invites Tenders through E-Tender Two-Part bidding process from interested bidders (with manufacturing / assembling facilities in India) for the following electrical package required for its Transmission Division: -

Procedure for Participating in Tender

Section A. Summary of the tendered package

Tender Enquiry No.	Work Description	EMD (Rs.)	Tender Participation Fee (Rs.)	Last date & time for Payment of Tender Participation Fee*
CC27AA001	EPC of 400 kV GIS & associated equipment along with Civil Works for 400 kV GIS Receiving Stations at Dharavi & Ghatkopar in Mumbai.	50,00,000	2,000/-	1500 Hrs. Tuesday, 24 th March 2026

*** Interested bidder is strongly advised not to wait by above time and purchase the tender immediately to get the link for bid submission. This will enable them to communicate/raise queries against the subject tender in time.**

Section B. Guidelines for Participating - Procedure for Participating in Tender. Following steps to be done before last date for purchase of tender,

1. Interested bidder to refer to the Section C: "Pre-Qualification Requirement" (PQR).
2. Eligible and Interested Bidder to submit duly signed and stamped letter on Bidder's letterhead indicating,
 - a. Tender Enquiry number.
 - b. Name of authorized person.
 - c. Contact number.
 - d. e-mail id.
 - e. Details of submission of Tender Participation Fee.
3. Non-Refundable Tender Participation Fee, as indicated in table above, to be submitted in the form of 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

E-mail with necessary attachment of 1 and 2 above to be send to anubhav.anand@tatapower.com with copy to vivek.mittal@tatapower.com before “Last date and time for Payment of Tender Participation Fee”.

Interested bidders to submit Tender Participation Fee and Authorization Letter before Last date and time as indicated above after which link from Tata Power E-Tender system (Ariba) will be shared for further communication and bid submission.

Please note all future correspondence regarding the tender, bid submission, bid submission date extension, Pre-bid query etc will happen only 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 (Ariba). User manual to guide the bidders to submit the bid through e-Tender system (Ariba) is also enclosed.

No e-mail or verbal correspondence will be responded. All communication will be done strictly with the bidder who have done the above steps (Payment of tender fee and submission of letter with requisite details) to participate in the Tender.

Also, it may be strictly noted that once date of “Last date and time for Payment of Tender Participation Fee” is lapsed no Bidder will be sent link from Tata Power E-Tender System (Ariba). Without this link vendor will not be able to participate in the tender. Any last moment request to participate in tender will not be acknowledged.

Any payment of Tender Participation Fee / EMD by Bidder who have not done the pre-requisite within stipulated timeline will not be refunded.

Also, all future corrigendum’s to the said tender, if any, will be informed on Tender section on website <https://www.tatapower.com>

Earnest Money Deposit (EMD) is not to be submitted now and is required at a later stage along with tender submission in the form of Bank Guarantee.

Section C: Additional technical details: (Please refer the following pages for details).

Pre-Qualification Requirement (PQR)

Pre-Qualification Requirement (PQR) - Please note that the PQR is for information only and the documentary evidence to ascertain meeting of the requirement has to be submitted along with the bid and not along with the tender fee.			
Sr No	Parameter	Tata Power's Requirement	Documents to be submitted by Bidder to ascertain meeting of Pre-Qualification Requirement
1	Infrastructure	<p>1. The EPC bidder should have designed, manufactured and supplied or integrated and supplied systems and supervised erection and commissioning for 400kV and above EHV GIS substation.</p> <p>2. All equipment offered must be sourced from vendors who have manufacturing/ facilities in India and have in-house routine and acceptance testing facilities for acceptance as per relevant IS/IEC.</p> <p>3. Bidder shall offer only 1 make of GIS and 1 set makes (as per specs) of Protection Automation and Communication equipment for evaluation and shall maintain the same for PO finalisation.</p>	Self-undertaking to be submitted in this regard. Tata Power reserves the right to inspect the documents and commissioned substation sites as a proof of compliance to this parameter.
2	EPC Experience	<p>1. The EPC bidder should have designed, manufactured and supplied or integrated and supplied systems and supervised erection and commissioning of 2 projects of 400 kV and above GIS substation with minimum 10 nos. of 400kV and above GIS bays overall, in last 5 years out of which minimum 5 nos. of 400kV and above GIS bays shall be in service (from the date of bid submission).</p> <p>2. All EHV GIS substation Civil works</p> <p>3. All EHV GIS substation related Electrical and Mechanical balance of plant works</p> <p>4. The EPC bidder should have appoint competent commissioning engr, erection engr with back up team who has successfully commissioned similar type of work as per specification in past 5 years.</p>	<p>a) Supply List, purchase orders & Performance Certificates from the utilities / clients</p> <p>b) Self-undertaking to be submitted in this regard. Tata Power reserves the right to inspect the documents and commissioned substation sites as a proof of compliance to this parameter.</p>
3	Compliance to QAI / Safety requirement	Acceptance of minimum quality requirements & Safety Consequence management plan defined in technical specifications including SQP, FQP & Safety.	Bidder to confirm.
4	Type Test for GIS	Bidder shall offer EHV GIS in this project which is successfully type tested (as per IEC or equivalent Standard). Type test reports of offered design, manufactured either in Indian facilities or in parent facilities 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 their is no change in design/material of construction (MOC). Same shall be in line with latest guidelines of CEA for Type test of EHV GIS.	<p>1. Type test reports.</p> <p>2. List of type tests carried out.</p> <p>3. All type test reports of offered EHV GIS design, manufactured either in Indian facility or in parent facility.</p> <p>4. Undertaking that there is no change in design / Material of Construction (MOC) if Type Test Report older than 5 years but less than 10 years prior to date of bid opening has to be considered (if applicable). Same shall be in line with latest guidelines of CEA for Type test of EHV GIS.</p> <p>5. Undertaking that type test shall be carried out for the offered equipment / material from NABL / International Accredited Lab without any cost implication to the owner and the Type Test reports shall be submitted before despatch of the equipment / material, in case type test reports furnished are not for the quoted equipment / material but for the equipment / material with higher voltage class and/or different capacity (if applicable).</p>
5	Type Test for Other Systems	Bidder shall offer all equipments in this project which are successfully type tested (as per IEC or equivalent Standard). Type test reports of offered design, manufactured either in Indian facilities or in parent facilities are acceptable. The type test certificate of the equipments 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 their is no change in design/material of construction (MOC). Same shall be in line with latest guidelines of CEA for Type test of EHV GIS substation.	<p>1. Type Test Reports.</p> <p>2. List of type tests carried out.</p> <p>3. All Type test reports of offered all BOP equipment design, manufactured either in Indian facility or in parent facility.</p> <p>4. Undertaking that there is no change in design / material of construction (MOC) if Type Test Report older than 5 years but less than 10 years prior to date of bid opening has to be considered (if applicable). Same shall be in line with latest guidelines of CEA for Type test of EHV GIS substation.</p> <p>5. Undertaking that type test shall be carried out for the offered equipment / material from NABL / International Accredited Lab without any cost implication to the owner and the Type Test reports shall be submitted before despatch of the equipment / material, in case type test reports furnished are not for the quoted equipment / material but for the equipment / material with higher voltage class and/or different capacity (if applicable).</p>
6	Commercial Capability	Average annual turnover of the bidder for last three years shall not be less than INR 150.00 Crs.	Profit and Loss Statements, Balance Sheet, Cash Flow Statements for the Three (3) preceding financial years duly audited and approved by Authorized Audit Firm / CA.

Note -

1) Tata Power reserves the right to review and approve / reject the Bidder based on Document Submission.

2) The above Prequalification Criteria is the total & complete pre-qualification requirement for the tender and shall prevail over any other/additional pre-qualification requirement mentioned elsewhere in the tender.

3) In case the bidder has a previous association with any of the Tata Group companies for similar products and services, the performance feedback for that bidder by Tata Group companies shall only be considered for evaluation purpose, at the discretion of Tata Power, irrespective of performance certificates issued by any third organization.

Section D: Brief Scope of Work

Tender Name: EPC of 400 kV GIS & associated equipment along with Civil Works for 400 kV GIS Receiving Stations at Dharavi & Ghatkopar in Mumbai.

The brief scope consists of design, engineering, manufacture, factory inspection, packing, route survey, transport with transit insurance, delivery to site in good condition, storage & handling at site, erection, testing, commissioning, electrical inspectors'/statutory approvals, handover to owner all equipment's and systems with specified warranties for 400kV GIS, PAC, balance of work systems and civil works mentioned in the specifications required for the complete Receiving station as per latest CEA technical standards for construction of electrical plants and sub-stations.

- 1. 420 kV GIS at Dharavi RSS (Outdoor GIS):** Supply, installation, testing and commissioning of complete 420 kV, 63kA GIS system including bays, PT's and spares etc. Details of 420 kV GIS.

Sr No	Bays	Nos Of Bays
1	Line Bays	1
2	Line Reactor Bay	1
3	ICT Bay-1 & 2	2
4	Bus Coupler Bay	1
	Sub Total	5
5	Bus PT (Set)	2
	Sub Total	2

- 2. 420 kV GIS at Ghatkopar RSS (Indoor GIS):** Supply, installation, testing and commissioning of complete 420 kV, 63kA GIS system including bays, PT's and spares etc. Details of 420 kV GIS.

Sr No	Bays	Nos Of Bays
1	Line Bays (OH Line)	2
2	Line Bays (UG Cable)	1
3	Bus Coupler Bay	1
	Sub Total	4
4	Bus PT (Set)	2
	Sub Total	2

- 3. Civil Works:** Supply and Construction works pertaining to Civil, Structural, Architectural, plumbing, sanitation system works, roads and Overhead tanks and all other services necessary for complete execution of works for proposed new 400kv GIS receiving station at **Dharavi and Ghatkopar RSS**, including setting out necessary area for the Works and cleaning up of working areas after completion of Works. The project broadly covers following construction works:

a. **420 kV GIS at Dharavi RSS** (Outdoor GIS) - Which includes 420 kV outdoor GIS (12mX28m), Relay room (12mX21m-G+1 floor), 2 nos. 500MVA ICT, 1 no. 125MVAR reactor, 4 nos. Fire walls, Roads, Drains & cable trenches and other ancillary equipment etc.

b. **420 kV GIS at Ghatkopar RSS** (Indoor GIS) - Ground + 2 upper floors + Terrace floor building accommodating 420 kV GIS and other related facilities like of cable cellar, ACDB, DCDB, battery room, control room, office space with toilets and pantry and other ancillary equipment etc. The tentative building plan size shall be 25.50 x 47.50 m approx.

c. Common services like sanitation system, overhead drinking water tank, site development and rainwater harvesting tank.

d. Design of sewage, storm water drainage system, connections to rainwater harvesting tank and plumbing system for building.

4. Protection System: The scope under this includes complete design, detailed engineering, preparation of ICS, relay settings relay configuration, manufacture, supply, PAC (Protection, Automation and Communication) integrated factory acceptance test, inspection & testing at Bidder's work, packing, transportation, delivery to site, performance testing, commissioning and handing over of Control and Relay Protection panels and schemes, providing Technical Support for Protection system for 400 kV Ghatkopar RSS and their associated 400 kV lines connected systems at remote ends and 400kV Tie Line to Dharavi.

Control cable supply, laying and termination for protection panels at all the locations is in bidders' scope. AC and DC auxiliary supply switchboard augmentation at remote end for AC and DC power supply to protection panel.

Brief scope at 400kV Ghatkopar RS, 400kV Dharavi and Remote end stations consists of the following: -

- At 400kV Ghatkopar and Dharavi Hybrid Protection system shall be provided (IED-1/Group-1 IEDs shall be Conventional type, IED2/Group-2 IEDs shall be Digital Process Bus type).
- For 400kV KVTL-Ghatkopar and 400kV Ghatkopar-Kharghar Lines at Ghatkopar end, Bidder to provide the Conventional IED-1 at Ghatkopar end matching either one of the Existing IEDs at Remote end i.e. Kharghar.
- At Remote ends of 400kV Ghatkopar i.e. at 400kV KVTL and 400kV Kharghar Bidder to consider the Retrofit of IEDs in the Existing CRP panel at KVTL and Kharghar end.
- Each of the conventional and digital protection systems shall be independent and dedicated.
- The process bus panels shall be designed as per the Digital Protection Specifications.
- PMUs shall be Considered for 400kV Kharghar-Ghatkopar and 400kV Ghatkopar-Dharavi Tie line and 400kV Busbar at Ghatkopar end.

5. Sub-Station Automation System and Communication System

a. **Automation System:** The scope under this includes complete design, detailed engineering, preparation of ICS, manufacture, supply, inspection & testing at Bidder's work, packing, transportation, delivery to site, supervising erection and installation, coordination with other vendors, testing, commissioning, performance testing and handing over of Substation Automation System for 400 kV GIS and their associated 400 kV lines connected systems at remote end.

Scope includes Automation System for 400 kV 5 bay GIS at Ghatkopar & Dharavi, 2 Bays (ICT) of 220KV at Dharavi and remote end stations i.e., KVTL Vikhroli and Kharghar/Panvel with complete control, Fiber Optic cables along with Integrated ICS and cable schedule.

Supply and Integration Activities at Remote Location:

i. Remote Location-1 --> KVTL Vikhroli: Supply, Integration & Testing of BCUs, Numerical Relays, MFMs with Existing SAS System (Micro SCADA) and SCADA Gateway (RTU 560) and Configuration in Existing Gateway for sending Data to SLDC as per Signal List.

ii. Remote Location-2 -> Kharghar/Panvel: Supply, Integration & Testing of BCUs, Numerical Relays, MFMs with Existing SAS System and SCADA Gateway and Configuration in Existing Gateway for sending Data to SLDC as per Signal List.

b. Communication System: The scope covers the specific requirements for complete design, detailed engineering, installation, testing and commissioning of Communication System at,

a. Tata Power 400 kV GIS at Ghatkopar and Dharavi with respect to proposed CRP replacement.

b. Remote End Stations.

c. Bidder shall supply each line protection relay with minimum 02 nos C37.94 ports communication viz. Single Mode and / or Multi mode. The combination thereof shall be decided during detail engineering.

6. Balance of Plant: The Balance of Plant shall include the following systems at Dharavi and shall be designed in compliance with the latest IS & IEC standards. The quantities shall be such that all project related requirements are met as per the standard specifications and latest IS, IEC standards, safety regulations laid down by CEA, India, National Building code and any other relevant statutory norms applicable to site. Any existing facilities / equipment being disturbed as a need of the project must be normalized to the satisfaction of the Project Manager of Tata Power. The capacities will be finalized during detailed engineering for which bidder to submit the design calculations.

Following is a broad list of items under this scope. Details shall be shared as part of Technical Specifications,

A. 400kV Dharavi RSS: LV Cables, ACDB, DCDB (220 V & 48V), Cable carrier system, Earthing & Lightning System, Miscellaneous Support Structures, base frames and fixtures etc., UPS, Fire protection System, Public address System etc.

B. 400kV Ghatkopar RSS: LV Cables, ACDB, DCDB (220 V & 48V), Cable carrier system, Earthing & Lightning System, Miscellaneous Support Structures, base frames and fixtures etc., UPS, Fire protection System, Public address System, 50 kW Rooftop Solar System, Lifts, EOT Cranes, Hoist, HVAC, etc.

Section E – Bill of Material (Summary)

A. 400kV Dharavi RSS:

Item	Description	UOM	Qty
1	SITC of 400 KV GIS Annexure-1**	Lot	1
2	SITC of Protection System Annexure-2**	Lot	1
3	SITC of Station Automation System for 400kV Dharavi and Ghatkopar RSS Annexure-3**	Lot	1
4	SITC of Communication System for 400kV Dharavi and Ghatkopar RSS Annexure-4**	Lot	1
5	SITC of Balance of Plant Annexure-5**	Lot	1
6	Civil, Structural, Architectural & Road Works Annexure-6**	Lot	1
7	HVAC Annexure-7**	Lot	1

Scope for extended warranty

Item	Description	UOM	Qty
1	Scope of works for activities under extended warranty: UPS System, access control system, DG sets, HVAC System, HVWS, MVWS, Fire detection & Alarm system, Fire hydrant system, Sprinkler system, Fire Pump-Room equipment, Portable fire extinguishers, Sump pumps, Rolling Shutters.	Lumpsum (cost for 05 years)	1

Scope for Statutory approvals

Item	Description	UOM	Qty
1	Statutory approval associated with the project like Intimation of disapproval (IOD), Construction commencement certificate, conditional & final NOC from MCGM Chief fire officer (CFO), Building permissions, approval from MCGM, Lifts, Electrical inspectors' approval for all electrical installations under the project, Occupation certificate (OC), IGBC certificate etc required for installation, commissioning and load service of new 400kV Dharavi GIS project.	Lumpsum	1

** Complete BOM will be facilitated in detailed RFQ.

B. 400kV Ghatkopar RSS:

Item	Description	UOM	Qty
1	SITC of 400 KV GIS Annexure-1**	Lot	1
2	SITC of Protection System Annexure-2**	Lot	1
3	SITC of Balance of Plant Annexure-3**	Lot	1
4	Civil, Structural, Architectural & Road Works Annexure-4**	Lot	1

Scope for extended warranty

Item	Description	UOM	Qty
1	Scope of works for activities under extended warranty: UPS System, CCTV Surveillance system, Access control system, Lifts, EOT Cranes, Hoists, DG sets, HVAC System, HVWS, MVWS, Fire detection & Alarm system, Fire hydrant system, Sprinkler system, Fire Pump-Room equipment, Portable fire extinguishers, Sump pumps, Rolling Shutters.	Lumpsum (cost for 05 years)	1

Scope for Statutory approvals

Item	Description	UOM	Qty
2	Statutory approval associated with the project like Intimation of disapproval (IOD), Construction commencement certificate, conditional & final NOC from MCGM Chief fire officer (CFO), Building permissions, approval from MCGM, Lifts, Electrical inspectors' approval for all electrical installations under the project, Occupation certificate (OC), IGBC certificate etc required for installation, commissioning and load service of new 400kV Ghatkopar GIS project.	Lumpsum	1

** Complete BOM will be facilitated in detailed RFQ.