

NOTICE INVITING TENDER

The Tata Power Company Limited Invites Tenders (Two-Part Bidding Process), from interested and eligible Vendors for the following Works required for its various Transmission Receiving Stations.

A. Summary of the tendered packages:

Tender Enquiry No.	Work Description	EMD (Rs.)	Tender Participation Fee (Rs.)	Last date and time for Payment of Tender Participation Fee*
CC26NK054	SITC for 33KV GIS along with associated equipment at Badlapur Receiving Station.	5,00,000/-	Rs. 2,000/-	1500 Hrs. 02 nd April 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.

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

B. Guidelines for Participating:

Interested and eligible vendors can participate by submitting the following up to 1500 hours on **Thursday – 02nd April 2026.**

1. Payment of non-refundable Tender Fee, as indicated in table above to be paid by direct deposit in following bank account

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. Submission of duly signed and stamped Authorization Letter indicating name of authorized person, contact number and e-mail id (mandatory) on Vendor's letterhead. The letter shall also mandatorily include payment details of Tender fee and Tender Reference no **CC26NK054.**

Authorization Letter along with proof of submission of tender fee should be e-mail to **Mr. Nithishkumar Kuppusami** (n.kuppusami@tatapower.com) and copy to **Ms. Vaishali Kachare** (vaishali.Kachare@tatapower.com)

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

3. It is clarified that Bid Guarantee/EMD as mentioned in section “A” above, is not required to be submitted at this stage, and it will be required to be submitted in the form of Bank guarantee at the time of Bid Submission.

C. Addition technical details: Prequalification Criteria (Technical & Commercial):

Pre-qualification Requirement Criteria			
1	2	3	4
S No	Parameter	Tata Power Requirement	Documents To be submitted by Vendor to ascertain meeting of Pre-qualification requirement
1	Infrastructure	Bidder must be an OEM of MV GIS (including Protection & Automation) OR must have sourced MV GIS MV GIS (including Protection & Automation) with manufacturing facility / assembly in India.	Self-undertaking to be submitted in this regard. TATA Power reserves the right to inspect the said engineering facility as a proof of compliance to this parameter.
2	Supply & Experience	<p>Bidder shall have supplied 300 nos of 33kV GIS bays in last 5 years. Out of these 50 quantities of 33kV GIS panels shall be in satisfactory service for last 2 years.</p> <p>Indian Subsidiaries of global companies having plant in India are also eligible to bid if the qualification requirements stated above are met independently or in combination with the parent company. Declaration from parent company needs to be submitted.</p>	<p>Supply List & Performance Certificates from the utilities / clients</p> <p>Self-undertaking to be submitted in this regard. TATA Power reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter.</p>
3	Type Test	<p>The bidder shall submit Type test reports obtained from NABL/ International Accredited Lab for the equipment / material offered. The type tests should have been conducted on the equipment / material of the same design. Type test report shall be detailed with all pages included and same shall be shared without any nondisclosure agreement.</p> <p>The type tests should have been conducted within 5 years prior to the 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).</p> <p>In case the type test reports furnished are not for the quoted equipment / material but for the equipment / material with higher voltage class and/or different capacity, then 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 dispatch of the equipment / material.</p>	<p>Type Test Report.</p> <p>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)</p> <p>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 dispatch 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>

4	EPC Experience (If applicable)	In case the package involves installation & commissioning of the equipment / material, then the bidder shall have installed and commissioned 60 nos Bays, of MV GIS during last 5 years, and 30 Nos MV GIS bays shall be in satisfactory commercial operation for at least last 3 years as on the date of bid submission.	Performance Certificates from the utilities / clients
5	Capability of Handle Job financially if awarded	Average Annual Turnover of the bidder for last 03 years shall not be less than INR 5000 Lakhs.	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: Above Pre-qualification details need not be submitted at this stage. These shall be required to be submitted along with bid submission. At this stage, Interested Vendors who fulfill above criteria need to participate in tender by paying tender fee and submitting authorization letter as detailed in section "B" above.

D. Price Bid Format: (BOM)

Item	Description	Rating	Unit	Quantity (A)
A	33kV GIS System (operating at 22kV)			
	Design, engineering, manufacturing, assembly, testing at works, packaging, transport, delivery to erection site, erection, site testing and commissioning of 33kV GIS along with prewired bay mounted LV panel including BCP, MFM (including independent for Bus PTs), Aux relays, RCP panels, etc. as per specification for following bays:		Set	
A1	Incomer	2500 A	Nos.	2
A2	Tie Breaker	2500 A	Nos.	1
A3	Tie Isolator	2500 A	Nos.	1
A4	Outgoing	1250 A	Nos.	9
A5	Station Transformer feeder	1250 A	Nos.	2
A6	Capacitor bank feeder	1250 A	Nos.	2
A7	Bus PT (1 set include 3 nos.)		set	4
A8	Surge arrestor (1 set = 3 nos.)		set	2
A9	33 kV Dummy Panels - Optional Price to be quoted. Actual requirement & billing will be done based on site final layout considering price mentioned in this line item		Nos.	3
	Miscellaneous Items			
A10	Dummy plugs for Incomer terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 8 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 4 sets)		Lot	1

A11	Dummy plugs for Tie breaker terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 4 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 2 sets)		Lot	1
A12	Dummy plugs for Tie Isolator terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 4 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 2 sets)		Lot	1
A13	Dummy plugs for out going feeder terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 18 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 9 sets)		Lot	1
A14	Dummy plugs for station transformer feeder terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 4 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 2 sets)		Lot	1
A15	Dummy plugs for Capacitor bank feeder terminals (For Inner Cone - (1 Set = 3 phase dummy plug) means Total = 4 sets) (For Outer Cone - (1 Set = 3 phase dummy plug) means Total = 2 sets)		Lot	1
A16	Voltage plug (1 set = 3 phase)		Set	1
A17	Current plug (1 set = 3 phase)		Set	2
A18	Spares for 33 kV GIS: As per section-B table		Lot	1
A19	GIS Cable terminations- (1 set = 3 phase) 1Cx 630 sqmm XLPE Copper cable - For I/C		Set	8
A20	GIS Cable terminations- (1 set = 3 phase) 1Cx 630 sqmm cable - Tie breaker		Set	4
A21	GIS Cable terminations- (1 set = 3 phase) 1Cx 630 sqmm cable - Tie isolator		Set	4
A22	GIS Cable terminations- (1 set = 3 phase) 3Cx 400 sqmm XLPE Aluminum cable - Outgoing feeders		Set	18
A23	GIS Cable terminations- (1 set = 3 phase) 3Cx 400 sqmm cable - Station transformer		Set	4
A24	GIS Cable terminations- (1 set = 3 phase) 3Cx 400 sqmm cable - Capacitor bank		Set	4
A25	Separate panel with control TNC switches mounted for breaker and isolator close open along with 1. breaker & isolator status indicating lamps 2. SLD mimic to be shown with above control switches		Lot	2
B	Automation BOM for 33KV Badlapur RSS	Rating	Unit	Quantity

Item	Description			(A)
B 1.0	<p>33kV GIS Sub-Station Automation Design, Engineering, Supply, Supervision, Erection, Integrated Testing & Commissioning (Lump sum) work and contract of 33kV Substation Automation System. Refer all of scope of work and specific requirements given in SAS Specification Sub-Station Automation System). SAS Vendor shall indicate or flag additional requirement if any, before bidding only and no cost variation will be allowed after award of contract. Vendor to co-ordinate with peer switchgear team, sub-vendors etc., and provide the complete integrated SAS solution. Bidder shall refer the RFP & technical specification for more details.</p>			
B 1.1	<p>Pre-wired Redundant Gateway (RTU based Hardwire Only) Power Supply: Redundant 48 V DC with MCBs Mounting: To be supplied with Pre-wired panels. Other Accessories: 220/110VDC to 48VDC redundant convertors along with, Diode oring units and AC & DC MCB's to be considered for all panels for redundant 48V DC power supply arrangement.</p> <p>Redundant Managed L3 Ethernet : Switch to be mounted in Gateway panel Communication Ports: 24 PORT L3 W/100/1000 MBPS, 8 FO-MM SFP ports, 2 FO SM 1 GBPS Ports with SFP & Remaining Copper Ports. Power Supply: Redundant 48 V DC along with MCB's Mounting: To be supplied with prewired panels (, size: 2300 mm x 800 mm x 800 mm, both side opening).</p> <p>The Panel Quantity shall be based on the configuration and with suitable clearance on maintenance aspects.</p>		Set	1
B 1.2	<p>Pre-wired Miscellaneous RTU Panel I/O Requirement: with 160DI, 80 DO, 32 AI with Auxiliary relay for each Digital Output</p>		Set	1
	<p>Power Supply: Redundant 48 V DC. Consider 220/110VDC to 48VDC redundant convertors along with, Diode oring units and AC & DC MCB's to be considered for all panels for redundant 48V DC power supply arrangement</p>			1
	<p>Accessories: Mounting kit, Pre-fabricated cables for I/Os, Field termination interface modules, Disconnecting (Knife edge CKT4U) type Terminal blocks for Digital Inputs, Droppable stud type terminal blocks (Elemex KLMTDM4) for all Digital Outputs and power supplies. Omron/OEN Relays to be considered as Interfacing Relay between DO Card and TBs for all DOs.</p>			1
	<p>Mounting: To be supplied with prewired panels (, size: 2300 mm x 800 mm x 800 mm, both side opening). The Panel Quantity shall be based on the configuration and with suitable clearance on maintenance aspects.</p>			1

B 1.3	<p>GPS Receiver GPS Receiver Clock with Time, Date and Frequency Display Unit with dual antenna, Surge protector and 50 meter antenna cable, 4 NTP/SNTP ports. Ports should compulsory support PRP. Mounting Arrangement : GPS Receiver to be mounted in Gateway Panel. Remote display Time, Date and Frequency Display Unit on a wall in C/R or R/R Power Supply: Redundant 48 V DC</p>		Set	0
B 1.4	<p>Networking Accessories Networking accessories for integration of BCPUs, Gateway, Condition monitoring devices : All required networking accessories like LIU, patch panel (for each Ethernet switch), patch chords (Fibre optic, UTP) of suitable length, The connectors will be selected to match that of the IEDs and SFPs on the switches, Conduits for all nonarmoured cables, I/O boxes with Quad face plate, 24 Port Patch panels for each L2/L3switch, RJ45 connectors etc. Bidder to consider 20% of spare qty of each component.</p>		Set	1
B 1.5	<p>Managed L2 Ethernet Switch and LIUs for 33 kV BCPU & other IEDs communication and integration with Gateway Mounting Arrangement: DIN Rail/Rackmounted in Switchgear based on feasibility To be mounted in Dummy Panel / Switchgear/ Separate Network Panel (Adjacent to the switchgear) along with cable termination accessories. (Bidder shall refer the specification for more details) Qty: Minimum 2 Nos. of Switches with FO & Copper ports (20 FO and 4 Copper)for each bus-section and as per distribution of GIS panels and shall be based on Bidder's offered solution. Each Switch shall have 20% spare FO and Cu ports. (Bidder to consider quantity of L2 Switches / 1 Set / Station based on No. of Bus Sections and GIS Panel Layout of the respective station) 1 Set = 2 nos of Ethernet Switch / 2 No. of LIU (Note :- In case Dummy Panel is not available. Set of DIN Rail Mounted Switch to be considered. For 3 Bay, 1 Set of DIN Rail Mounted Switch and LIU to be considered. Mentioned quantity is with assumption Dummy Panel is available and Rack Mounted Switches of 24 Ports will be supplied)</p>		Set	2
B 1.6	<p>Redundant Managed L3 Ethernet Switch with Communication Ports: 24 PORT L3 W/100/1000 MBPS, 8 FO-MM, SFP ports & 16 Copper Ports. Power Supply: Redundant 48 V DC along with MCB's</p>		Set	0

B 1.7	<p>Configuration Laptop</p> <p>Configuration Laptop with Hardware: Laptop with latest processor, 1 TB HDD, 8 GB RAM, DVD RW, 4 USB Ports, 1 ethernet port, 1 HDMI port, 15" Display with 1 no. serial to USB converter.</p> <p>Software: Microsoft Windows compatible with latest version of configuration software, Microsoft Office License pack, Antivirus Quick heal Total Security with three-year subscription, Configuration & maintenance software tools, Diagnostic tools. Logic building Application of RTU, Gateway, Configuration Software and protocol analyzer</p>		nos	1
B 1.8	Unarmoured CAT6 UTP Cable (1 Lot = 300 metres)		Lot	1
B 1.9	Armoured CAT6 UTP Cable (1 Lot = 500 metres)		Lot	1
B 1.10	4P X 0.36 Sq. mm armoured multistrand pair, overall shielded, for integration of MFM and other IEDs (1Lot =500 mtrs)		Lot	2
B 1.11	4P X 0.36 Sq. mm unarmoured multistrand pair, overall shielded, for integration of MFM and other IEDs (1 Lot = 250 metres)		Lot	1
B 1.12	8 Core Armoured Multi-mode Fibre Optic Cable (1 Lot = 2000 metres)		Lot	1
B 1.13	PVC flexible conduit rodent proof design with steel wires embedded (200 Mtr)		Set	1
B 1.14	<p>Satellite Workstation for SCADA</p> <p>Power Supply : 230V AC</p> <p>To be supplied with operator workstation with hardware viz dual headed LED monitor,Optical Keyboard & Mouse and latest windows OS, Software's with Antivirus Trend Micro (Apex one) with three-year subscription & Standard MS office latest version (Refer Automation specification for More details)</p>		nos	0
B 1.15	Temperature & Humidity Transmitter and integration with gateway on RS485 Modbus RTU		Nos	0
B 1.16	Automation mandatory Spares (As per the Spares list indicated in the SAS Specification)		Set	1

B 1.17	<p>Installation integration with SAS and Commissioning Services</p> <p>a) Design, Engineering, Installation, Testing and Commissioning of Sub-station Automation System as per SOW.</p> <p>b) Co-ordination with switchgear team & other sub vendors.</p> <p>c) Preparation of interconnecting cable schedule, Cable laying and termination, continuity check of all power, communication and field cables,</p> <p>d) Powering up of all supplied materials and Configuration of all supplied equipment</p> <p>e) Commissioning and integration of all supplied equipment as per the approved architecture</p> <p>f) All BCPUs, MFM looping and Condition Monitoring Units and Integration with New Gateway</p> <p>g) Integration of 3rd Party Devices such as Transformer Monitoring Devices, Chargers, UPS, Temp Humidity Sensors etc</p> <p>h) Testing and Integration of BCPUs with existing DRCA System, Firewall and Analysis system as per the approved architecture and testing up to Central DR System</p> <p>i) I/O testing, Pre- SAT testing, testing with Purchaser's Unified SCADA System</p> <p>j) Integrated FAT & SAT for Hardware and Software</p> <p>k) Final As built Document & Drawings Submission in AutoCAD & Pdf format.</p> <p>l) Warranty for Hardware & Software inclusive of patch management and software upgradation for the period of 5 Years</p>		LS	1
B 1.18	Services of M/s Kalkitech for configuration, integration with both local DRCA System of the respective station & Centralised DRCA system.		LS	1
B 1.19	<p>Training: (Sub-Station Automation & 3rd party items)</p> <p>10 Engineers x 3 man-days (30 mandays) at Vendor's work</p>		LS	1

Notes

Quantities indicated are Indicative only and shall vary based on site conditions and layout. The rates shall be fixed. Contractor has to provide a separate list with rate and cost separately and give total price for complete Electrical works. Items not listed but required for completing the works shall be done by the contractor without any additional payments.

Supply: Rates for Supply shall include all taxes, Duties, levies, Packing and forwarding, Transport to site, Transit insurance etc.

Installation: Rates for installation shall include all taxes. Handling, movement to site, assembly, alignment, cleaning, installation, testing and commissioning including labour, tools, tackles, consumables etc. complete.

METERING PANELS- TATA POWER ABT			
SUPPLY			
Sr. No.	Description	Nos/set	Qty
A	PREWIRED METERING PANELS		
1	Supply of Secure make Apex 150 ABT type meters.(No internal CTR and PTR to be programmed inside Meter)	Nos	13

2	Design, Engineering, Manufacturing, Inspection, loading, Supply, Transport, Unloading at site, Storage, Erection, Testing, Commissioning of Prewired metering panels with Accessories	Nos	2
B	COMMUNICATION ACCESSORIES		
1	Supply and connection of Serial Device server (Make Moxa, Model – Nport 5232)	Nos	4
2	Supply, laying, termination and connection of Armoured CAT6 (Twisted pair cable) between meters to communication panel	mtrs	200
3	RJ45 I/O Boxes with I/Os (4 Port)	Nos	7
4	CAT6 Patch cables for connectivity between I/O and Meters / L3 switches (2 mts)	Nos	10
5	RJ 45 Connectors	Nos	20
	SERVICES		
1	Services for preparation of cable schedule and ICS, Installation, testing, configuration of ABT Meters and final commissioning of all material mentioned under supply scope.	LS	1
	SPARES		
1	TTB	Nos	1
2	Secure Make Apex ABT Meter	Nos	1
METERING PANELS- STU			
	SUPPLY		
Sr. No.	Description	Nos/set	Qty
A	PREWIRED METERING PANELS		
1	Design, Engineering, Manufacturing, Inspection, loading, Supply, Transport, Unloading at site, Storage, Erection, Testing, Commissioning of Prewired metering panels with Accessories	Nos	1
B	COMMUNICATION ACCESSORIES		
1	CAT 6 LAN cable (pre-terminated 7 feet)	Nos	8
2	Armoured CAT 6 LAN cable for Interpanel	mtrs	200
3	L3 switch for FO connectivity with minimum 12CU+ 4SFP slots with 80 km loaded 4 No.s SFP (As per specs)	Nos	1
4	Fiber Optic Cable 48 core Armoured Single mode with HDPE duct	mtrs	1000
5	Media Converters (Optical to Ethernet) (with 1310nm/1550nm) LC SFP type FOT Dual AC+DC powersupply	Nos	3
6	FOP Patch chords LC-PC-LC-PC (5 meters) Single mode	Nos	12
7	FOP Patch chords LC-PC-SC-PC (5 meters) Single mode	Nos	8
8	LIU 19 inch rack mountable LC-PC type single mode 48 core (AFS/Commscope/ TE/Tyco make only)	Nos	2
9	LIU Din rail mounting 12 core Single mode LC-PC LIU	Nos	2
10	I/O Box with RJ45 I/O loaded 4 No.s in each box	No.s	6
11	RJ45 connectors	No.s	20
12	Cable dressing, laying, Splicing, interpanel CAT6 LAN cable crimping and routing	Lot	1
	SERVICES		
1	Services for Supervision during Erection, installation	LS	1
	SPARES		
1	TTB	Nos	1

UFLS SYSTEM BILL OF QUANTITY			
	SUPPLY:Protection system		
Sr. No.	Description	UOM	Qty

1	Completely pre-wired Simplex control Type-G Protection panel comprising of protection schemes and accessories as per specification along with IEDs, its networking accessories between IED to gateway, IED to DRCA system, relevent LIUs, switches, patch cords etc. for successful commissioning of underfrequency load shedding scheme.	Set	2
3	Proection Relay integration with SCADA & DRCA system at above mentioned stations: Ethernet Swtiches, Converters, Communciation Cables (FO & UTP) and Networking accessories like LIU, patch panel (for each Ethernet switch), Pre-fabricated Patch cords (Fibre optic, UTP) of suitable length, Conduits for all non-armoured cables, I/O boxes with Quad face plate, RJ45 connectors etc.	LOT	2
Spares			
1	IED of each model number/ order code/ MLFB shall be supplied as spares	LOT	1
2	Auxilliary trip relay	EA	1
Services			
1	Services for preparation of cable schedule and ICS, commissioning of protection, automation and communication system along with appropriate human resources, numerical relay testing kit for relay panel commissioning and integration of relays with SCADA, DRCA system to view disturbance record and parameterization from remote	LS	1

It may be noted that all future correspondence will be strictly done only with Interested Vendors who have done the above steps (As mentioned in section "B") in time with Authorized Person, and only through Tata Power E-Tender System.
