

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*
CC27NK012	Supply and Services for Protection, Automation, Communication and Metering system for 02 Nos of Bays at Borivali and WR Dahisar Receiving station	2,00,000/-	Rs. 2,000/-	1500 Hrs. 07 th July 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 **Tuesday – 07th July 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 **CC27NK012**.

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 Protection relays, Sub-station Automation and Communication system, having manufacturing facility/ assembly in India	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.
2	Supply & Experience	<p>1. The bidder should have supplied 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.</p> <p>2. 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.</p> <p>3. Bidder shall offer latest software on open architecture and should have supplied these at least for 5 projects in last 2 years.</p> <p>4. Protection and Sub-Station Automation must be from the same OEMs.</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</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</p>

		dispatch of the equipment / material.	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)
4	EPC Experience (If applicable)	In case the package involves installation & commissioning of the equipment/ material, then the bidder shall have the following experience: a) Bidder should have successfully completed one single order of value INR 170 Lakhs of similar work in last three years) OR b) Bidder should have successfully completed two single orders of value INR 100 Lakhs of similar work in last three years) OR c) Bidder should have successfully completed three single orders of value INR 80 Lakhs of similar work in last three years)	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 200 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 -

- 1) The Prequalification Criteria published along with the tender "In Section C.1 Techno-Commercial PQR" 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.
- 2) Tata Power reserves the right to review and approve / reject the Bidder based on Document Submission.
- 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, irrespective of performance certificates issued by any third organization.
- 4) Apart from the above PQR bidder must also qualify in Safety evaluation. Details will be shared along with tender documents.

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)

CC27NK012 - Supply and Services for Protection, Automation, Communication and Metering system for 02 Nos of Bays at Borivali and WR Dahisar Receiving station			
SUPPLY - PROTECTION PANELS			
Sr. No	Description	Qty	UoM
110kV TPC Borivali - WR Dahisar-1 Line			
1	Completely prewired Simplex Protection Relay Panel comprising of all the Protection Schemes & accessories as per GTP Data sheet for 110 kV Borivali- WR Dahisar Line -1 at WR Dahisar End with TYPE-A protection along with its networking accessories IED to gateway, IED to DRCA system, relevant LIUs, switches, patch cords and any other necessary communication system.	1	Set

2	Retrofit commissioning of One IED of 110kV Borivali-WR Dahisar Line-1 at TATA Borivali end in existing panels along with additional aux relays, trip relays, TBs, wiring, preparation of combined drawing, communication accessories, converters etc required for successful commissioning of line protection.	1	Set
110kV TPC Borivali - WR Dahisar-2 Line			
1	Completely prewired Simplex Protection Relay Panel comprising of all the Protection Schemes & accessories as per GTP Data sheet for 110 kV Borivali- WR Dahisar Line -2 at TATA Borivali end with TYPE-A protection along with its networking accessories IED to gateway, IED to DRCA system, relevant LIUs, switches, patch cords and any other necessary communication system.	1	Set
2	Completely prewired Simplex Protection Relay Panel comprising of all the Protection Schemes & accessories as per GTP Data sheet for 110 kV Borivali- WR Dahisar Line -2 at WR Dahisar End with TYPE-A protection along with its networking accessories IED to gateway, IED to DRCA system, relevant LIUs, switches, patch cords and any other necessary communication system.	1	Set
SPARES			
1	One number spare IED of each type, each order code, each MLFB / CORTEC number shall be supplied as spare at TPC Borivali	1	Set
2	One number spare auxiliary relays used for trip, alarm, supervision, PT selection, contact multiplication, TNC, lamp etc shall be supplied as spare.	1	Set
3	Laptop for relay configuration and relay settings with following configuration: HP/Dell/Lenovo make, 15.6 inch, 32GB RAM, 500GB SSD, Core i7, with licensed copy of Windows 11 OS, with Antivirus for 3 years subscription, 2 number of USB ports, 1 ethernet port, 1 HDMI port, 1 RJ45 port and 1 serial port along with standard laptop carrying back sack.	1	No
SERVICES			
Sr. No	Description	Qty	UoM
1	(i) Services for commissioning Protection, Automation and communication system along with appropriate human resources, Numerical relay testing kit for relay panel commissioning and integration of relays (existing and new one) with SCADA system to view disturbance record and Parameterization from remote for local as well as remote end. (ii) Services from engineer for other make IEDs for commissioning and integration with SAS and communication system. (iii) Services for integration of Relays with existing systems at local and remote ends.	1	Lumps um
2	Services for Integration of 2 Bays in the Existing Busbar Panel at TATA Borivali end	1	Lumps um
Total Basic Price			

Substation Automation System for 110kV Western Railway - Dahisar (Tata Power Borivali End)			
Supply - Automation			
Sl. No.	Item Description	Qty	UOM
Miscellaneous RTU Panel			
1	Miscellaneous RTU Panel I/O Requirement: with 120 DI, 60 DO, 32 AI with Auxiliary Relays for each Digital Output, Min 4 No. of RS-485 Ports Power Supply: Redundant 48 V DC Mounting: To be supplied with Pre-wired panel .Number of Panels shall be based on the configuration and with suitable clearance on maintenance aspects. Other Accessories: Pre-fabricated cables for I/Os, Auxiliaries relays for power supply monitoring, MCBs for all type of Power Supplies	1	Set
Communication Switches, Network and other Accessories for SAS			

2	For all supplied items at 110kV Borivali Networking accessories like Ethernet Switches, SM and MM LIU, patch panel (for each Ethernet switch), Pre-fabricated Patch cords (SM/MM Fibre optic, UTP) of suitable length, Conduits for all non-armoured cables, I/O boxes with Quad face plate, RJ45 connectors etc.	1	Set
	Communication Cable: 4P X 0.36 Sq.mm unarmoured multistrand pair and overall shielded for serial communication	305	Mtrs
	Communication Cable: 4P X 0.36 Sq.mm armoured multistrand pair and overall shielded for serial communication	305	Mtrs
	Armoured CAT6 UTP Cable	305	Mtrs
	Armoured Fibre Optic Cable for SCADA 8 core, Multimode	305	Mtrs
	Temperature & Humidity Sensors for individual panel with Modbus Protocol Support	1	Nos
	Voltage & Current monitoring device in each panel with Modbus Protocol Support	1	Nos
Services- Automation			
Sl. No.	Item Description	Qty	UOM
3	Installation, Integration and Commissioning of supplied SAS at Dahisar Substation (Tata Power Borivali End) a) Engineering b) Installation and commissioning of all supplied items c) Cable termination, continuity check of all communication cables d) All Protection Relay, MFM looping, T&H looping and Integration with Gateway e) Preparation of ICS and Signal List f) Configuration and Testing of IED's, RTUs, Gateway g) Integration of existing BCU, Protection relays, IEDs, Condition monitoring system with Existing Gateway. h) Time Synchronization of Gateway, BCU,RTU, IEDs with GPS Receiver i) I/O testing, Pre- SAT testing of Hardware and Software functionality j) Integrated testing with Unified SCADA System k) 100% Integrated FAT of GIS,PAC at bidder's work & SAT for Hardware and Software l) Submission of as-built drawing in AutoCAD and PDF Format m) warranty for Hardware & Software inclusive of patch management and software upgradation for the period of 5 Years n) SCADA Integration with Existing Gateways for Remote Stations (Borivali End) (Refer specification for more details)	1	Lumps um
	Services from GE for integration of 110kV Misc. RTU with existing Gateway Configuration, Testing and Integration of supplied items/systems at 110kV Borivali RSS	1	Lumps um
	Services of M/s Kalkitech for configuration, integration with both local DRCA System of the respective station & Centralised DRCA system at existing Tata Power Borivali end.	1	Lumps um
Total Basic Price			

COMMUNICATION SYSTEM						
Sr. No.	Description	Preferred make	Quantity			UoM
			Borivali	Dahisar	Total	
1	12 core Single mode armoured FO-cable	Finolex/Apar/Birila	500	500	1000	Meter
2	Fiber Termination Box Suitable to terminate 12-core Single Mode underground Fiber optic cable 19" Rack Mounting with Connectors loaded with SM type pigtailed LC type couplers and cassettes. Rodent Proof design.	AFS/Commscope	4	2	6	Nos.
3	Fiber Termination Box Suitable to terminate 12-core Single Mode underground Fiber optic cable DIN RAIL Mounting with Connectors loaded with	AFS/Commscope/Preston	4	2	6	Nos.

	SM type pigtails LC type couplers and cassettes. Rodent Proof design.					
4	Fiber Termination Box Suitable to terminate 96-core Single Mode underground Fiber optic cable 19" Rack Mounting with Connectors loaded with SM type pigtails LC type couplers and cassettes. Rodent Proof design. For Underground FO cable with EHV	AFS/Commscope	2	1	3	Nos.
5	Simplex FO Single mode patch cord with one end LC-other end as per relay FO-port simplex -5 meter	AFS/Commscope/Tyco/3M	8	8	16	Nos.
6	Simplex FO Single mode patch cord with one end LC-other end as per relay FO-port simplex -10 meter	AFS/Commscope/Tyco/3M	8	8	16	Nos.
7	Simplex FO Single mode patch cord LCPC-LCPC type simplex - 5 meter	AFS/Commscope/Tyco/3M	4	4	8	Nos.
8	Simplex FO Single mode patch cord LCPC-LCPC type simplex - 2 meter	AFS/Commscope/Tyco/3M	12	12	24	Nos.
9	Simplex FO Single mode patch cord LCPC-LCPC type simplex - 10 meter	AFS/Commscope/Tyco/3M	10	10	20	Nos.
10	Simplex FO Single mode patch cord LCPC-STPC type simplex - 10 meter	AFS/Commscope/Tyco/3M	10	10	20	Nos.
11	PVC flexible conduit of 1-inch outer diameter	Reputed make	200	200	400	Meter
12	42 U floor mounting type panel, suitable for 19" equipment mounting, width 800 mm and depth 800 mm having following accessories. 1. Offered panel shall have front and back opening with locking facility. 2. Panel shall have robust aluminium extruded main frame and all steel sheet shall be powder coated. 3. Proper Provision for cable entries and gland plate from bottom side 4. 19-inch equipment mounting trays – 4 Nos. 5. AC distribution board for 8 outlets. Vertical mounted at rear side. 6. It shall have Plinth base of 100mm height for mounting on 800*800mm frame 7. Ventilation Fan 8. Depth support channels – 3 pairs 9. Cable channel & 24 port I/O patch panel – 2 Nos. 10. Panel shall have proper earthing connection arrangement (Earthing bar). 11. Panel shall be provided with C-channel mounted DC MCB's 2 nos. (-48 V DC, 10 Amp rating) and AC MCB (230 V AC, 10 Amp rating) 12. Services for installation, testing, commissioning and integration with the existing system/network of Tata Power	President/VALR ACK/WQIndia	1	1	2	Nos.
13	Media converter: Compact Industrial Unmanaged Fast Ethernet Media Converter 100/1000 Base-TX to 100/1000 Base-FX Optical Single-mode LC port (separate port for TX and RX), Wavelength 1550 nm	CTC Union	3	3	6	Nos.

	,Distance 80km, dual power supply 100-240vac & 18- 72vdc Input Power, -40 to 75C Operating Temperature					
14	FXO Media convertor with 4 Analog voice ports, SM, LCPC type, 1550nm 80km, AC+DC power supply	CTC Union	2	0	2	Nos.
15	FXS Media convertor with 4 Analog voice ports, SM, LCPC type, 1550nm 80km, AC+DC power supply	CTC Union	0	2	2	Nos.
16	Telephone instruments analog phones with caller ID display along with accessories I/O box, RJ11 connector and rosette.	Alcatel, Beetel	0	4	4	Nos
17	Armoured CAT6 cable	Reputed Make	300	300	600	Meters
18	Attenuator 10dB SM LCPC	AFS/Commscope/Tyco/3M	10	10	20	Nos.
19	Services for installation, laying, splicing, commissioning, testing and integration at local & remote ends		1	1	2	Lot
Total Basic Price						

METERING SYSTEM			
METERING PANELS- TATA POWER ABT			
SUPPLY			
Sr. No.	Description	Qty	UoM
A	PREWIRED METERING PANELS		
1	Supply of Secure make Apex 150 ABT type meters. (No internal CTR and PTR to be programmed inside Meter)	2	Nos
2	Design, Engineering, Manufacturing, Inspection, loading, Supply, Transport, Unloading at site, Storage, Erection, Testing, Commissioning of Prewired metering panels with Accessories	1	Nos
B	COMMUNICATION ACCESSORIES		
1	Supply and connection of Serial Device server (Make Moxa, Model – Nport 5232)	2	Nos
2	Supply, laying, termination and connection of Armoured CAT6 (Twisted pair cable) between meters to communication panel	200	mtrs
3	RJ45 I/O Boxes with I/Os (4 Port)	1	Nos
4	CAT6 Patch cables for connectivity between I/O and Meters / L3 switches (2 mts)	3	Nos
5	RJ 45 Connectors	4	Nos
6	Media Converters (Optical to Ethernet) (with 1310nm/1550nm) LC SFP type FOT (Make CTC Union, model FMC-2000MS)	3	Nos
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.	1	LS
SPARES			
1	TTB	1	Nos
2	Secure Make Apex ABT Meter	1	Nos
METERING PANELS- STU			
SUPPLY			
Sr. No.	Description	Qty	UoM
A	PREWIRED METERING PANELS		
1	Supply of L&T make ER300P STU - ABT type meters.	4	Nos

2	Design, Engineering, Manufacturing, Inspection, loading, Supply, Transport, Unloading at site, Storage, Erection, Testing, Commissioning of Prewired metering panels with Accessories	1	Nos
B	COMMUNICATION ACCESSORIES		
1	Supply of Network switch (L2 switch) 8 Port Cu with SFP module and SFP Single mode (Kyland Make: KIEN7009)	2	Nos
2	Supply of Data Concentrator Unit with sim interface (1 DCU for 24 meters) (Kalkitech Make: Sync 2000)	1	Nos
3	CAT 6 LAN cable (pre-crimped 7 feet)	10	Nos
4	Armoured CAT 6 LAN cable for Interpanel	200	mtrs
5	L3 switch for FO connectivity with minimum 12CU+ 4SFP slots with 80 km loaded 4 No.s SFP (As per specs)	1	Nos
6	Fiber Optic Cable 48 core Armoured Single mode with HDPE duct	1000	mtrs
7	Media Converters (Optical to Ethernet) (with 1310nm/1550nm) LC SFP type FOT Dual AC+DC powersupply	15	Nos
8	FOP Patch chords LC-PC-LC-PC (5 meters) Single mode	15	Nos
9	FOP Patch chords LC-PC-SC-PC (5 meters) Single mode	8	Nos
10	LIU 19-inch rack mountable LC-PC type single mode 48 core (AFS/Commscope/ TE/Tyco make only)	1	Nos
11	LIU Din rail mounting 12 core Single mode LC-PC LIU	1	Nos
12	I/O Box with RJ45 I/O loaded 4 No.s in each box	5	No.s
13	RJ45 connectors	20	No.s
14	Cable dressing, laying, Splicing, interpanel CAT6 LAN cable crimping and routing	1	Lot
	SERVICES		
1	Services for Supervision during Erection, installation.	1	LS
	SPARES		
1	TTB	1	Nos
		Total Basic Price	

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.
