

05th September 2025

NOTICE INVITING TENDER (NIT)

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 package required for its Transmission Divisions in Mumbai: -

A. Summary of the tendered package:

For the following packages contact person shall be Mr. Naman Patel (naman.patel@tatapower.com) & Mr. Vivek Mittal (vivek.mittal@tatapower.com)

Sr No.	Description	Tender Reference no.	Bid Guarantee Fee / EMD (Rs.)	Tender Fee (Rs.)
1.	EPC of 220KV 1-Core 1600 Sqmm Copper XLPE Lead Sheath cable along with associated accessories for establishment of new 110KV GIS substation at Badlapur location.	CC26NP019	50,00,000/-	2000/-

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 hrs. Monday 15th September 2025:** -

1. Non-Refundable Tender Fee, as indicated in table above, 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

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 (ARIBA).

It may be please 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.

Earnest Money Deposit (EMD) of **INR 50.00 Lakhs** 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: Pre-Qualification requirement and Bill of Quantity: (Please refer the following pages for details).

Bidders Prequalifying Requirements for 220 kV EHV Cable (Part A-Supply)

Sr No	Parameter	Tata Power Requirement	Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement
1	2	3	4
1	Infrastructure	<p>Bidder shall be OEM of 220 kV and above voltage class, single core XLPE cables with manufacturing facility / assembly in India, Or, Bidder shall be an EPC Contractor in a JV with OEM of 220 KV and above voltage class with manufacturing facility/assembly in India.</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. JV agreement copy to be submitted.</p>
2	Supply & Experience	<p>Bidder/OEM partner shall have manufactured and supplied 100 K.Ms. of 110 kV and above voltage grade XLPE Cables in last 5 years as on original bid submission date.</p> <p>Out of above 100 K.Ms. length, minimum 20 K.Ms. cable length supplied shall be of 220 kV class in last 5 years as on original bid submission date.</p> <p>The XLPE cables of 110 kV and higher voltage class supplied by the Bidder should have been in satisfactory commercial operation for a minimum of 25 K.Ms. length, for minimum period of last 2 years as on the original bid submission date. Out of the above 25 K.Ms., minimum 1.5 K.Ms. of 220 kV class cable shall be in service for last two year as on original bid submission date.</p> <p>Indian Subsidiaries / JV of global companies (Parent) registered & having plant in India can be considered provided the Parent supports the bidder to meet the PQR. In such cases, documentary evidences shall be furnished for proving the Parent - Subsidiary / JV relationship and a Backup guarantee of five years for successful operation of the cable shall be furnished by the Parent.</p> <p>In case the bidder has a previous association with any of Tata Power Group companies for similar products and services, the performance feedback of the bidder by the Tata Power Group companies shall only be considered for evaluation purpose, irrespective of performance certificates issued by any third organization.</p>	<p>Supply List / Performance Certificates from the utilities / clients</p> <p>Relevant documentary evidences & a Backup guarantee.</p>
3	Type Test	<p>The bidder/OEM partner shall have conducted PreQualification tests on the cable offered as per IEC 62067. The bidder shall submit Type test reports obtained from third party NABL/ International Accredited Lab as per IEC 62067 for 220kV or higher voltage grade XLPE cable and accessories. The type tests should have been conducted on the equipment / material of the same design.</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 cable but for the cable with different voltage class and/or different conductor size, then type test shall be carried out for the offered cable from NABL / International Accredited Lab without any cost implication to the owner and the Type Test reports shall be submitted before despatch of the Cable System.</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 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>

Bidder Shall Qualify Part A & Part B			
Bidders Prequalifying Requirements for 220 kV EHV Cable (Part B-EPC)			
Sr No	Parameter	Tata Power Requirement	Documents to be submitted by vendor to ascertain meeting of Pre-Qualification Requirement
1	2	3	4
1	Execution Capability	<p>1.0 Bidder should have executed minimum 3 nos of EHV cable system projects or work orders (110 kV & Above) in Tier 1 Cities (Category "X") (viz. Delhi, Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, Ahmedabad & Pune) with following scope:-</p> <p>a) Supply of EHV cable system from OEM. b) Liasoning for obtaining statutory approvals required for EHV cable laying. c) Civil works for cable trench, joint bays. d) Laying, Jointing / Termination of cable system. e) Backfilling and reinstatement of cable trench and commissioning of cable system.</p> <p>2.0 Bidder should have commissioned not less than 10.00 K.Ms. in last 5 Yrs as any Single Order.</p> <p>In case the bidder has a previous association with any of Tata Power Group companies for similar products and services, the performance feedback of the bidder by the Tata Power Group companies shall only be considered for evaluation purpose, irrespective of performance certificates issued by any third organization.</p>	List of Projects executed and certificates from utilities / clients.
2	Projects in Service	Out of the 3 projects or work orders executed by the bidder, at least one project executed by the bidder shall be in service satisfactorily for minimum of three years as on date of bid submission.	Performance Certificates from the utilities / clients
3	Commercial Capability	Average Annual turnover of the bidder for last three years shall not be less than INR 250 Crores.	<p>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.</p> <p>In case of JV, bidder to submit statement from Chartered Accountant (CA) certifying:-</p> <p>(a) Equity stake of the partners in the Joint Venture and (b) Sum of Each Partners turnover multiplied by their respective equity stake in JV for last 3 years should exceed the Tata Power requirement (c) JV to have positive Network for preceding year. Incase JV does not have positive Network then all partners to have positive Network for preceding year.</p> <p>Backup guarantee document to be submitted by JV Partners to support the JV till execution of the project till completion of execution and completion of Latent Defect Liability Period.</p>
4	Supply	Bidder or its OEM partner shall meet the qualifying requirement as mentioned in Part A .	Bidders confirmation.
5	Warranty	Bidder shall provide 5 years warranty for the supplied and installed Cable System. In case Bidder is an EPC Contractor, the warranty and gurantee on cable system shall be provided by the OEM. The OEM shall stand gurantee on the project and shall furnish authorization cum undertaking (As per format given in tender)	Bidders confirmation. Authorization cum Undertaking by OEM.
6	Other	One OEM shall submit only 01 bid (either directly or in partnetship with an EPC contrator).	

BOQ-Design, Engineering, Manufacturing, Factory Acceptance Test, Transportation to site, Installation and Commissioning of 220 kV 1C x 1600 sq.mm Copper conductor XLPE

SUPPLY PART

Sr. No.	Item Description	Quantity	Spare	Total Qty.	UoM
1	Supply of 220 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	21000	500	21500	Mtrs.
2	Supply of 110 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	1800	200	2000	Mtrs.
3	Sealing End for Outdoor termination with 220 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	6	3	9	Nos
4	Sealing End for GIS termination with 110 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	12	3	15	Nos
5	Sealing End for Transformer termination with 110 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	6	2	8	Nos
6	Three Piece Joint for Jointing of 220 kV and 110 kV 1600 sq.mm Cable	6	1	7	Nos
7	Supply of cross bonded/straight joints for 220 kV 1C x 1600 sq.mm Copper conductor XLPE insulated, lead-sheathed cables	48	4	52	Nos
8	Supply of three-phase link box for cross bonding	16	2	18	Nos
9	Supply of Coaxial Cable along with Lugs and Connectors	1000	0	1000	Mtrs.
10	Supply of Single Phase link box for sheath bonding	24	2	26	Nos
11	Sheath Bonding Cable	500	0	500	Mtrs.
12	Earth Continuity Cable	500	0	500	Mtrs.
13	Supply of HDPE pipes for EHV cable (OD 250 mm & 6 mtr length)	1050	50	1100	Nos
14	Supply of Fibre optic cable (Quantity considered 2 no. 96 Core FO cable per circuit)	14400	400	14800	Mtrs.
15	Cable Cleats	300	0	300	Nos
16	Galvanised Steel structure for cable cleating arrangement at GIS side	10	0	10	MT
17	Galvanised Steel structure for cable cleating arrangement on Tower	4	0	4	MT
18	Supply of HDPE pipes for FO cable (dia 40 mm)	14800	0	14800	Mtrs.
19	Supply of FOP joint boxes	25	0	25	Nos
20	Supply of Fiber termination Rack	4	0	4	Nos
21	Supply of FO termination kit	11	0	11	Nos
22	DISTRIBUTED TEMP MONITORING SYSTEM (DTS)	1	0	1	Set
23	Supply of Fibre optic cable for DTS	7400	0	7400	Mtrs.
24	Supply of cable tiles	35000	0	35000	Nos
25	Patch Cord for 96F Fiber Optic Cable	100	0	100	Nos
26	Distribution Accosting System (DAS)	1	0	1	Set

Route Length	3500
Double Circuit	7000
Cable/Phase	1
Joint Bay	16
Cross Joint	11
Straight Joint	5

SERVICE PART

Sr. No.	Item Description	Quantity	Spare	Total Qty.	UoM
1	Detailed surveying of the Cable route along the alignment fixed by the owner & preparation of profile drawing for cable laying and preparation of final cable route in 6 sets of hard & soft copy in a scale of 1:10 indicating the position of cable jointing chambers, earthing details, position of cable route marker, land marks etc., after completing the work & energizing for the use of permanent record, GPS mapping of utilities to be indicated in the drawing complete.	3500		3500	Mtrs.
2	Excavation of Cable trenches as per approved drawings with proper wooden shoring, de-watering arrangement & with sufficient clearances from all sites. Excavation in all types of soil -except hard murrum, earth rock/debrises, backfilled earth, where underground service lines are likely to be present, shoring the trenches, demolishing PCC, Brick work, Rubble masonry encountered while making the trenches, disposal of excavated earth within 24 hours. Laying of PCC bed & erecting side tiles, Warning tape refer Approved trench drawing. Backfilling with STB upto 660 mm as per drawing of trench. Backfilling above RCC tiles upto road level with excavated earth as per approved trench drawing with Compaction and NOC from Concern Authority/Agency complete (for two Circuits). Trench Cross-section Drawings shall be prepared by Bidder as per Specifications and approved by Owner.	2450		2450	RMtr

3	Excavation for Major Road crossing as per approved drawings with proper, de-watering arrangement & sufficient clearances from all sites. Excavation in all types of soil - hard murum, earth rock, debris, backfilled earth, where underground service lines are likely to be present, demolishing PCC/brick work/rubble masonry encountered while making the trenches, disposal of excavated earth within 24 hours. Laying of PCC bed and HDPE pipes & erecting side tiles approved trench drawing. Backfilling with (sand metal mix) ,Warning tape, Top will be Reinstated with Soling & Compaction, Asphalt, & PCC M 20 or Satutory requirement on Top Crossing drawing complete. (for two Circuits) Trench Cross section Drawings shall be prepared by Bidder as per Specifications and approved by Owner.	525	525	RMtr
4	Excavation for Minor Road crossing as per approved drawings with proper, de-watering arrangement & sufficient clearances from all sites. Excavation in all types of soil - hard murum, earth rock, debris, backfilled earth, where underground service lines are likely to be present, demolishing PCC/brick work/rubble masonry encountered while making the trenches, disposal of excavated earth within 24 hours. Laying of PCC bed and HDPE pipes & erecting side tiles approved trench drawing. Backfilling with (sand metal mix) ,Warning tape, Top will be Reinstated with Soling & Compaction, Asphalt, & PCC M 20 or Satutory requirement on Top Crossing drawing complete. (for two Circuits) Trench Cross section Drawings shall be prepared by Bidder as per Specifications and approved by Owner.	525	525	Rmtrs
5	Services for laying of tiles 660x500x60 mm complete (including shifting, transportation and laying in trench).	35000	35000	Nos
6	Services for un-coiling & laying 220 kV & 110 kV, 1600 Sq.mm XLPE insulated cable as per approved drawing & specification in open trench & through HDPE pipe laid along the route, including Loading from store, transportation, unloading at site, returning cable drum to tata power warehouse, permits from concern authority, trefoil formation, phase marking complete.	22800	22800	Mtrs.
7	Services for un-coiling & laying optical fibre cable 96 Fibre of specified type along the cable trench through HDPE pipe as per approved drawing & specification including Loading from store, transportation, unloading at site, returning cable drum to tata power warehouse, permits from concern authority, labour charge complete, Tests.	14400	14400	Mtrs.
8	Services for OFC splicing & termination	11	11	Nos
9	Construction of FO cable hand hole	16	16	Each
10	Services for construction of cable jointing chamber (RCC types) along with Below ground Earth mat (along with supply of material as per specification) for Joint bay of suitable dimensions as mutually agreed for 1 circuits i.e., 3 no of cable with link boxes, earthing as per site requirement as per specifications. Including supply & filling submerged (Including supply and filling of STB) [10.0 mtr] (As per Site conditions, final number of joint bays will be decided)	16	16	Nos
11	Services for installation of straight joint/cross bonding joint of 220 kV UG cable.	54	54	Nos
12	Services for installation of GIS & Outdoor termination of 220 kV UG cable	24	24	Nos
13	Services for 40 mm dia duct for 96F optical fibre cable complete	14800	14800	Mtrs.
14	Services for Joint box for FO cable	25	25	Sets
15	Services for termination rack for 96F optic fibre cable complete	4	4	Nos
16	Services for FO Termination box	11	11	Sets
17	Installation of Link Box in Termination/Joints including earthing	40	40	Nos
18	Fabrication of Structural Steel for cable cleating arrangement at GIS side	10	10	MT
19	Fabrication of Steel structure for cable cleating arrangement on Tower	4	4	MT
20	INSTALLATION OF DTS SYSTEM	1	1	Each
21	Services for un-coiling & laying DTS cable 12 Core Fibre of specified type along the cable trench through HDPE pipe as per approved drawing & specification including Loading from store, transportation, unloading at site, returning cable drum to tata power warehouse, permits from concern authority, labour charge complete, Tests.	7400	7400	Mtrs.
22	INSTALLATION OF DAS SYSTEM	1	1	Each
23	Services for Patch Cord for 96F Fiber Optic Cable	200	200	Nos
24	Trial Pits	100	100	Nos
25	Testing & Commissioning (Per Circuit)	4	4	Lot
26	Reinstatement charges for inside premises & near Tower	200	200	Mtrs.
27	HDD work for Double circuit with 8 nos 250 mm dia HDPE pipes for critical road crossings	200	200	Mtrs.