

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 Electrical packages required for its Transmission Divisions: -

A. Summary of the tendered packages:

Sr. No.	Description	Tender Reference no.	Bid Guarantee Fee / EMD (Rs.)	Tender Fee (Rs.)
For the following package contact person shall be Mr. Anubhav Anand (anubhav.anand@tatapower.com).				
1.	Design, engineering, manufacturing, factory testing, deliver to site, obtaining statutory approvals, laying, services for installation and commissioning of 220 kV cables & accessories for interconnection between Tata Power Waghivali & MSETCL Waghivali S/s.	CC21AA070	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 hrs. Monday, 13th September 2021**: -

1. Non-Refundable Tender Fee, as indicated in table above, in the form of
 - a. 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 must get in touch with respective contact person, 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 please 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.

Earnest Money Deposit (EMD) of **INR 10.00 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: Addition technical details: (Please refer the following pages for details).

Package Description : Design, engineering, manufacturing, factory testing, deliver to site, obtaining statutory approvals, laying, services for installation and commissioning of 220 kV cables & accessories for interconnection between Tata Power Waghivali & MSETCL Waghivali S/s			
Tender Reference no : CC21AA070			
Details : Estimated Bill of Quantity			
Sr. No.	Short Description	Tentative Quantity	UoM
SUPPLY			
1	Supply of 1C x 2000 Sqmm CU XLPE, lead sheath cables of 220 kV	3000	Mtr
2	Sealing End for GIS termination with Cable 220 kV 1C XLPE Copper 2000 sq mm as per specifications.	12	Nos
3	Supply of Single Phase link box with SVL for sheath bonding	12	Nos
4	Supply of Normal Straight Joint for 220kV, 1C x 2000 sqmm CU XLPE, lead sheath cable	6	Nos
5	Supply of 1C x 300 sqmm Earthing cable	1000	Mtr
6	Sheath bonding cable	200	Nos
7	Cable Cleats for 220 kV cables	40	Nos
8	Supply of HDPE pipes for EHV cable (OD 250 mm & 6 mtr length)	20	Nos
9	Supply of Fibre optic cable (Quantity considered 2 no. 96 Core FO cable per circuit)	2800	Mtr
10	Galvanised Steel structure for cable Cleating arrangement	16	MT
11	Supply of Fiber termination Rack, 19" rack 42U height with accessories (800 x 800)	1	Nos
12	Supply of HDPE pipes for 96C FO cable (dia 40 mm)	2800	Nos
13	Supply of 96C FOP joint boxes	4	Nos
14	Supply of cable tiles	5000	Nos
15	PATCH CORD Single mode FOR 96C OPTIC FIBER CABLE	100	Nos
16	FOP Termination Box LC type FOR 96 Single MODE fiber optic cable with all accessory like pigtail, couplers etc	9	Nos
SERVICE			
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. (Based on preliminary route survey, total route length 500 mtr.)	500	Mtr
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/debris, 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.	300	Mtr
3	Excavation for Road crossing as per approved drawings with proper, de-watering arrangement & sufficient clearances from all sites . Excavation in all types of soil - hard murrum, 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.	200	Mtr
4	Services for laying of tiles 660x500x60 mm complete (including shifting, transportation and laying in trench).	5,000	Nos
5	Services for un-coiling & laying 220 kV, 2000 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.	3	Km
6	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.	3	Km
7	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)	2	Nos
8	Services for installation of straight joint of 220kV UG Cable	6	Nos
9	Services for OFC splicing & termination	10	Lot
10	Construction of FO cable hand hole	4	Nos
11	Services for installation of GIS & O/D termination of 220 kV UG cable	12	Nos
12	Services for 40 mm dia duct for 96F optical fibre cable complete	2,800	Mtr
13	Services for Joint box for FO cable	4	Nos
14	Installation of single phase Link Box in Termination/joints including earthing	12	Nos
15	Fabrication of Structural Steel for cable cleating arrangement	16	MT
16	Trial Pits	20	Nos
17	Services for installation of Fiber termination rack	1	Lot
18	Testing & Commissioning (Per Circuit)	2	Lot

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.		
Bidder should qualify Prequalifying Requirements indicated in both Part A & Part B		
Bidders Prequalifying Requirements for 220 kV EHV Cable (Part A)		
Parameter	Tata Power's Requirement	Documents to be submitted by Bidder to ascertain meeting of Pre-Qualification Requirement
Execution Capability	<p>1.0 EPC Bidder should have executed minimum 3 nos of EHV cable system projects (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 EPC bidder should have commissioned not less than 10.00 K.Ms. in last 5 Yrs as a Single Order.</p>	List of Projects executed and certificates from utilities / clients.
Projects in Service	Out of the 3 projects 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.
Commercial Capability	Average Annual turnover of the bidder for last three years shall not be less than INR 40.00 Crs.	<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:- (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 Networth for preceding year. Incase JV does not have positive Networth then all partners to have positive Networth 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>
Supply	EPC Bidder shall supply EHV cable system from vendors meeting the qualifying requirement as mentioned in Part B.	Bidders confirmation.
Warranty	Bidder shall provide 5 years warranty for the supplied and installed Cable System.	Bidders confirmation.
Bidders Prequalifying Requirements for 220 kV EHV Cable (Part B)		
Infrastructure	Bidder shall be OEM of 220 kV and above voltage class, single core XLPE cables with 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.
Supply & Experience	<p>Bidder 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 10 K.Ms. of 220 kV class cable shall be in service for last two years 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>Supply List & Performance Certificates from the utilities / clients</p> <p>Relevant documentary evidences & a Backup guarantee.</p>
Type Test	<p>The bidder shall have conducted Pre-Qualification tests on the cable offered as per IEC 62067. The bidder shall submit Type test reports obtained from NABL/ International Accredited Lab as per IEC 62067 for 220 kV 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>