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, laying, installation and commissioning of 220 kV cables & accessories for Karanjade Reactor project.	CC21AA039	5,00,000 /-	1,000 /-

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. Thursday, 20th May 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 5.00 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: <u>Addition technical details</u> : (Please refer the following pages for details).

Package Description : Design, engineering, manufacturing, factory testing, deliver to site, laying, installation and commissioning of 220 kV cables & accessories for Karanjade Reactor project

Tender Reference no : CC21AA039

Details : Estimated Bill of Quantity

Sr. No.	Short Description	Tentative Quanity	UoM
SUPPLY			
1	Supply of CABLE 220 KV XLPR AR CU 1C 630SQMM with lead sheath	900	Mtr
2	Sealing End for GIS termination with Cable 220 kV 1C XLPE Copper 630 sq mm as per specifications	6	Nos
3	Sealing End for 110 kV MVAr Reactor termination (similar to Transformer) with Cable 220 kV 1C XLPE Copper 630 sq mm as per specifications	6	Nos
4	Supply of Single Phase link box for sheath bonding	12	Nos
5	Sheath bonding cable	150	Mtr
6	Supply of HDPE pipes for EHV cable (OD 200 mm & 5 mtr length)	20	Nos
7	Cable Cleats suitable for 220 kV Cable	40	Nos
8	Galvanised Steel structure for cable Cleating arrangement at Transformer and Reactor end	12	MT
9	Supply of cable tiles	1,500	Nos
10	300SQMM Earth Continuity Cable Complete	50	Mtr
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.	150	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/debries, backfilled earth, where underground service lines are likely to be present, shoring the trenches, demolising PCC, Brick work, Rubble masionary 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 sectionDrawings shall be prepared by Bidder as per Specifications and approved by Owner.	110	Rmtr
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, demolising PCC/brick work/rubble masionary encountererd 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 sectionDrawings shall be prepared by Bidder as per Specifications and approved by Owner.	20	Rmtr
4	Services for laying of tiles 660x500x60 mm complete (including shifting, transportation and laying in trench).	1,500	Nos
5	Services for un-coiling & laying 220 kV, 630 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.	0.90	K.M.
6	Services for installation of GIS & Reactor terminations of 220 kV UG cable	12	Nos
7	Installation of single phase link boxes with/without SVL including earthing	12	Nos
8	Fabrication of Structural Steel for cable cleating arrangement with earthing by tapping available station earthing grid	12	MT
9	Trial Pits	5	Nos
10	Testing & Commisioning (Per Circuit)	1	Lot
11	Services for barricading of cable trench as per specification complete	150	Mtr
12	Water Sealing of GIS cable entries	1	LS

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	**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:- 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. **2.0** EPC bidder should have commissioned not less than 10.00 K.Ms. in last 5 Yrs as a Single Order.	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 6.00 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. 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. 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.
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	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. 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. 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. 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.	Supply List & Performance Certificates from the utilities / clients Relevant documentary evidences & a Backup guarantee.
Type Test	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. 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). 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.	Type Test Report. 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) 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)