

27th May 2026

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 1200 Sqmm Copper XLPE Lead Sheath cable along with associated accessories for new 220KV Amazon RSS (LOT-1), EPC of 110KV 1-Core 630 Sqmm Aluminium Conductor corrugated Aluminium sheath cable along with associated accessories for diversion of 110KV Nancy Colony Metro cable (LOT-2) and Supply of 110KV 1-Core 1600 Sqmm Copper XLPE Lead Sheath Cable along with associated accessories for diversion of 110KV Malad-Versova 1 & 2 cable (LOT-3).	CC27NP007	25,00,000/-	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. Friday 05th June 2026**: -

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.
3. **Evaluation Criteria:** There is total **03 Nos. "LOT"** in this NIT. Technical and Commercial evaluation of each LOT shall be done independently. Accordingly, award decision shall be made for each LOT.

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 25.00 Lakh** 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).

C.1 Pre-Qualification Requirement- EPC of 220KV 1-Core 1200 Sqmm Copper XLPE Lead Sheath cable along with associated accessories for 220KV Amazon RSS

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 100 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 guarantee 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 contractor).	

C.2 Pre-Qualification Requirement- EPC of 110KV 1-Core 630 Sqmm Al cable along with associated accessories for 110KV Nancy colony metro cable diversion and Supply of 110KV 1CX1600 Sqmm CU XLPE cable for diversion of 110KV Malad-Versova 1 & 2 cable.

Bidders Prequalifying Requirements for 110 kV EHV Cable (Part A)

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	Bidder shall be OEM of 110 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 110 KV and above voltage class 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. JV agreement copy to be submitted.
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 110 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 110 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>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 NABL/ International Accredited Lab as per IEC 62067 for 110kV 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 110kV EHV Cable (Part B)			
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 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> <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 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 100 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 Networth for preceding year. In case 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>
4	Supply	Bidder or its OEM partner shall meet the qualifying requirement as mentioned in Part A.	Bidders confirmation.
5	Warranty	<p>Bidder shall provide 5 years warranty for the supplied and installed Cable System.</p> <p>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)</p>	<p>Bidders confirmation.</p> <p>Authorization cum Undertaking by OEM.</p>
6	Other	One OEM shall submit only 01 bid (either directly or in partnetship with an EPC contractor).	

LOT-1: Design, Engineering, Manufacturing, Factory Acceptance Test, Transportation to site, Installation and Commissioning of 220 kV 1C x 1200 Sq.mm XLPE Copper conductor Lead sheath cable for 220 kV Receiving station at Amazon, Powai

SUPPLY PART

Sr. No.	Item Description	Qty.	UoM
1	Supply of 220 kV 1C x 1200 Sq.mm Copper Conductor XLPE, lead sheath cables	4200	Mtrs.
2	Sealing End for GIS termination with 220 kV 1C x 1200 Sq.mm Copper Conductor XLPE, lead sheath cables	12	Nos
3	Sealing End for Outdoor termination with 220 kV 1C x 1200 Sq.mm Copper Conductor XLPE, lead sheath cables	12	Nos
4	Supply of Single Phase link box with SVL for sheath bonding	12	Nos
5	Supply of Single Phase link box without SVL for sheath bonding	12	Nos
6	Sheath bonding cable	1000	Mtrs.
7	Earth Continuity Cable	1000	Mtrs.
8	Terminal connector for Outdoor termination	12	Sets
9	Supply of HDPE pipes for EHV cable (OD 250 mm & 6 meters length)	400	Nos
10	Supply of Fibre optic cable along with patch cord (Quantity considered 2 no. 96 Core FO cable per circuit)	3800	Mtrs.
11	Cable Cleats	300	Nos
12	Galvanised Steel structure for cable Cleating arrangement at GIS	6	MT
13	Mounting structure and Cleating arrangement for Outdoor cable termination at Tower	12	MT
14	Supply of Fiber termination Rack	2	Nos
15	Supply of HDPE pipes for FO cable (dia 40 mm)	3800	Mtrs.
16	Supply of FOP joint boxes	8	Nos
17	Supply of cable tiles	4000	Nos
18	Patch Cord for 96F Optic Fiber Cable	100	Nos
19	Supply of FO termination kit	16	Nos

SERVICE PART

Sr. No.	Item Description	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, landmarks, 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)	1400	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/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 as per approved trench drawing. Backfilling with STB up to 660 mm, as per trench drawing. Backfilling above RCC tiles up to road level with excavated earth, as per approved trench drawing, with compaction and NOC from concerned authority/agency, complete (for two circuits). Trench cross-section drawings shall be prepared by the bidder as per specifications and approved by Owner.	1000	RMtrs.
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, including 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 & erecting side tiles as per approved trench drawing. Backfilling with sand-metal mix, warning tape. Top shall be reinstated with soling & compaction, asphalt & PCC M20, or statutory requirement, on top crossing drawing, complete (for two circuits). Trench cross-section drawings shall be prepared by the bidder as per specifications and approved by Owner.	400	RMtrs.
4	Services for laying of tiles 660 x 500 x 60 mm, complete (including shifting, transportation, and laying in trench).	4000	Nos
5	Services for un-coiling & laying 220 kV, 1200 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 concerned authority, trefoil formation, phase marking, complete.	4200	Mtrs.
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 concerned authority, labour charges, complete, including tests.	3800	Mtrs.
7	Services for OFC splicing & termination	24	Nos
8	Construction of FO cable hand hole	8	Each
9	Services for installation of GIS termination of 220 kV UG cable.	12	Nos
10	Services for installation of Outdoor termination of 220 kV UG cable.	12	Nos
11	Services for 40 mm dia duct for 96F optical fibre cable complete	3800	Mtrs.
12	Services for termination rack for 96F optic fibre cable complete	2	Nos
13	Installation of Link Box in Termination/joints including earthing	24	Nos
14	Fabrication of Structural Steel for cable cleating arrangement at GIS	6	MT
15	Installation of Mounting structure and Cleating arrangement for Outdoor cable termination at Tower	12	MT
16	Services for Patch Cord for 96F Optic Fiber Cable	100	Nos
17	Trial Pits	30	Nos
18	Testing & Commissioning (Per Circuit)	4	Lot
19	Reinstatement Charges	1400	Mtrs.

LOT-2: Design, Engineering, Manufacturing, Factory Acceptance Test, Transportation to site, Installation and Commissioning of 110 kV 1C x 630 Sq.mm AL Conductor XLPE insulated corrugated aluminium sheath cablese for 110 kV Nancy Colony Metro cable diversion work

SUPPLY PART

Route Length 750

Sr. No.	Item Description	Qty.	UoM	Remarks
1	Supply of 110 kV 1C x 630 Sq.mm AL Conductor XLPE insulated corrugated aluminium sheath cables	4500	Mtrs.	
2	Sealing End for outdoor termination with 110 kV 1C x 630 Sq.mm AL Conductor XLPE insulated corrugated aluminium sheath cables as per specifications	6	Nos	
3	Supply of cross bonded straight joints for 110 kV 1C x 630 Sq.mm AL Conductor XLPE insulated corrugated aluminium sheath cables	12	Nos	
4	Supply of Three Phase link box for cross bonding	4	Nos	
5	Supply of Coaxial Cable along with Lugs and Connectors	200	Mtrs.	
6	Supply of Single Phase link box for sheath bonding	6	Nos	
7	Sheath bonding cable	200	Mtrs.	
8	Earth Continuity Cable	700	Mtrs.	
9	Supply of HDPE pipes for EHV cable (OD 250 mm & 6 meters length)	100	Nos	
10	Supply of Fibre optic cable along with patch cord (Quantity considered 2 no. 96 Core FO cable per circuit)	3200	Mtrs.	
11	Cable Cleats	40	Nos	
12	Supply of HDPE pipes for FO cable (dia 40 mm)	3200	Mtrs.	
13	Supply of FOP joint boxes	10	Nos	
14	Supply of cable tiles	7500	Nos	
15	Supply of FO termination kit (96 Core)	6	Nos	

SERVICE PART

Sr. No.	Item Description	Qty.	UoM	Remarks
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.	800	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 hard murrum, earth rock/debries, 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.	800	RMtrs.	
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 M20 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.	50	RMtrs.	
4	Services for laying of tiles 660x500x60 mm complete (including shifting, transportation and laying in trench).	7500	Nos	
5	Services for un-coiling & laying 110 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.	4500	Mtrs.	
6	Services for uncoiling and laying 96-core optical fiber cable of the specified type along the cable trench through HDPE pipe, as per the approved drawing and specification, including loading from the store, transportation, unloading at the site, returning the cable drum to Tata Power warehouse, obtaining permits from the concerned authorities, labor charges, and testing.	3200	Mtrs.	
7	Services for OFC splicing & termination	10	Nos	
8	Construction of FO cable hand hole	3	Each	
9	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 Sand) [10.0 mtr]	4	Nos	

10	Services for installation of straight joint/cross bonding joint of 110 kV UG cable.	12	Nos	
11	Services for installation of Outdoor termination of 110 kV UG cable	6	Nos	
12	Services for 40 mm dia duct for 96F optical fibre cable complete	3200	Mtrs.	
13	Services for FO Termination box	6	Sets	
14	Services for Joint box for FO cable	10	Sets	
15	Installation of Link Box in Termination/joints including earthing	8	Nos	
16	Installation of Terminal connector for Outdoor termination	6	Nos	
17	Trial pits	10	Nos	
18	Testing & Commissioning (Per Circuit)	2	Lot	
19	RI inside Borivali Receiving Station	80	Mtrs.	

LOT-3: Design, Engineering, Manufacturing, Factory Acceptance Test, Transportation to store and Unloading of 110 kV 1C x 1600 Sq.mm XLPE Copper conductor Lead sheath cable for diversion of 110KV Malad-Versova 1 & 2 Cable.

SUPPLY PART

Sr. No.	Item Description	Qty.	UoM
1	110 kV, 1C, 1600 sq mm cable (Cu/Pb), Lead sheath.	1320	Mtrs.
2	110 kV Crossbonded/ST Joint (1600 sqmm)	6	Nos
3	110 kV Composite type Outdoor Termination (1600 sqmm)	6	Nos
4	Supply of Single Phase link box for sheath bonding without SVL	6	Nos
5	Supply of HDPE pipes for EHV cable (OD 250 mm & 6 mtr length)	90	Nos
6	Supply of Fibre optic cable 96C	1000	Mtrs.
7	Supply of HDPE pipes for 96C FO cable (dia 40 mm)	1000	Mtrs.
8	Supply of 96C FOP joint boxes	2	Nos
9	Supply of cable tiles	2000	Nos
10	Terminal connector for Outdoor termination	6	Nos