

No 0378

MSETCL/CE/ACI&P/220kVOPGW/

DATE:- '12 JUN 2025

OFFICE NOTE:

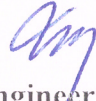
Sub:- Publication of EOI(Expression of Interest) on MAHATRANSCO web site www.mahatransco.in.

As per the approval of CE ACI&P, MSETCL, "EOI(Expression of Interest) of Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)" is to be called.

The copy of EOI notice regarding above mentioned subject is to be published on MAHATRANSCO website www.mahatransco.in.

The EOI notice is enclosed. Web Master, MSETCL is requested to do the need full please.

Encl.: 1. Notice inviting EOI(Expression of Interest)
2. EOI Document


Chief Engineer (ACI&P)I/C
C.O. MSETCL

Web Master, MSETCL:

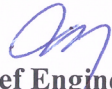
Notice Inviting EOI(Expression of Interest)

“EOI (Expression of Interest) of Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture).”

SR. NO.	PARTICULAR	DESCRIPTION
1	EOI NO.	MSETCL/ACI&P/OPGW/2025-26/01 Dtd.16.06.2025
2	EOI Subject	EOI (Expression of Interest) Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture).
3	Date & Time (Hrs.) for online submission of EOI through e-mail.	On or before: 15.07.2025 up to 23:59 Hrs.
4	Pre EOI meeting	01.07.2025 at 14:00 Hrs (Tentative); At CE(ACI&P), Airoli Office.
NOTE: 1) EOI document can be downloaded from MSETCL's website https://www.mahatransco.in 2) For Queries you may contact to: 1. Mr. Manoj Joshi - Superintending Engineer(Tel): Mob no 9769213824 2. Mr. Vilas Borle – Executive Engineer: Mob No.9769006186 3) Pre-EOI meeting will be held at ACI&P office, Airoli. Parties are requested to contact above authorities for meeting details.		

Address:

Office of the Chief Engineer, Automation, Communication, Innovation & Protection (ACI&P),
MSLDC Old Building, MSETCL,
Thane-Belapur Road,
Airoli, Navi Mumbai-400708. ceaci@mahatransco.in


Chief Engineer (ACI&P)
C.O. MSETCL.



Maharashtra State Electricity Transmission Company Ltd.

Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

EOI NO MSETCL/ACI&P/OPGW/2025-26/01 DT 16/06/2025

Chief Engineer ACI&P
Maharashtra State Electricity Transmission Company Limited,
MSDCL Old Building, Thane-Belapur Road, P.O. Airoli, Navi Mumbai – 400708
Email: ceaci@mahatransco.in
Website: www.mahatransco.in
Contact person : Mr.Manoj Joshi S.E. Mobile:9769213824
Mr.Vilas Borle E.E. Mobile 9769006186

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

DISCLAIMER:

The information contained in this Expression of Interest (“EOI”) document or subsequently provided to Parties whether verbally or in documentary or any other form by or on behalf of MSETCL or any of their employees or advisors, is provided to Parties on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided.

This EOI is not an agreement and is neither an offer nor invitation by MSETCL to the prospective Parties or any other person. **The purpose of this EOI document is to only ascertain potential Parties for proposed expansion of OPGW network of MSECL. The prospective Parties are requested to note that after obtaining EOIs MSETCL shall follow the regular RFP process for selecting the JV partner.** This document provides interested parties with relevant information that may be useful to them in preparing their proposal pursuant to this EOI.

This EOI includes statements, which reflect various assumptions and assessments arrived at by MSETCL in relation to the Project. Although every attempt has been made to include all relevant information, such assumptions, assessments and statements do not purport to contain all the information that each Party/entity may require.

This EOI may not be appropriate for all persons, and it is not possible for MSETCL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI.

The assumptions, assessments, statements, and information contained in this EOI may not be complete, accurate, adequate, or correct. Each entity/Party should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements, and information contained in this EOI and obtain independent advice from appropriate sources.

Information provided in this EOI to the Parties is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The MSETCL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The MSETCL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any entity/Party under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EOI or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the EOI and

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

any assessment, assumption, statement or information contained therein or deemed to form part of this EOI or arising in any way in the process.

The MSETCL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any entity/Party upon the statements contained in this EOI. MSETCL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI. The issue of this EOI does not imply that MSETCL is bound to select a Party/entity or to appoint the Party for the Project and MSETCL reserves the right to reject all or any of the entity/Party or response documents without assigning any reason whatsoever.

The entity/Party shall bear all its costs associated with or relating to the preparation and submission of its response document including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by MSETCL, or any other costs incurred in connection with or relating to its response document submission. All such costs and expenses will remain with the entity/Party and MSETCL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by entity/Party in preparation or submission of the response document, regardless of the conduct or outcome of the selection process.

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

EOI NOTICE

Maharashtra State Electricity Transmission Company Ltd.

Chief Engineer ACI&P

Maharashtra State Electricity Transmission Company Limited,
MSDCL Old Building, Thane-Belapur Road, P.O. Airoli, Navi Mumbai – 400708
www.mahatransco.in

EXPRESSION OF INTEREST

From interested parties for expressions of interest

For Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through Joint Venture with MSETCL in Maharashtra.

Scope of work	Last date for Submission of response	Date of Pre-EOI conference
EOI for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through Joint venture with MSETCL in Maharashtra.	15.07.2025 at 23:59 hrs.	01.07.2025 at 14:00 hrs.

Interested parties may attend the pre-EOI conference on 01.07.2025 at office of the Chief Engineer (ACI&P). **The EOI i.e. Form-1 & 2 (duly filled) shall be submitted via email to ceaci@mahatransco.in only. No other document shall be submitted.**

Mumbai

Chief Engineer (ACI & P)

INSTRUCTIONS TO THE PARTIES

1.0 INTRODUCTION

1.1 Maharashtra State Electricity Transmission Company Limited (MSETCL) was formed in June 2005 after restructuring of the erstwhile MSEB. The MSETCL has been entrusted with multiple responsibilities of being a Transmission Licensee, State Transmission Utility and System Operator. MSETCL has Registered Office at Prakashganga, Plot no. C - 19, E- Block Bandra Kurla Complex, Bandra East, Mumbai 400051 hereinafter called the "MSETCL".

1.2 MSETCL has 742 nos. of EHV substations having different voltage levels such as 100 kV, 110 kV, 132 kV, 220 kV, 400 kV, 500 kV & 765 kV along with 1,38,598 MVA transmission capacity and 51518 EHV lines circuit km. The details of the MSETCL infrastructure are as follows.

Sr.No.	Voltage level	EHV Substations	EHV Lines (CKT KM.)
1	765kV	1	0
2	500 KV HVDC	2	1504
3	400kV	33	8463.85
4	220kV	254	19882.4
5	132kV	365	18568.76
6	110kV	41	1798.4
7	100kV	39	705.62
8	66kV	7	594.8
	TOTAL	742	51518

Under modernization and strengthening of the transmission network and to control and monitor the transmission grid MSETCL is establishing all EHV substations remote visibility to SLDC & ALDC. For transmission grid modernization and for management of time critical application, MSETCL has started to deploy the OPGW along with the high bandwidth capacity transmission equipment by replacing the earth wire on EHV line by OPGW.

1.3 The MSETCL is having existing 5301 Km OPGW network through JV i.e MTCIL.

1.4 MSETCL, being the nodal agency for laying power transmission lines across the state of Maharashtra, has got Right of Way (ROW), across the state of Maharashtra to lay transmission lines. Out of this, MSETCL intends to develop certain routes for laying OPGW cable on priority, more particularly described in Annexure-1.

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

1.5 MSETCL desires to grant the said ROW to establish its own communication network by replacing the existing Earth wire with the Optical Power Ground Wire (OPGW) having at least 48 fibres along with necessary telecom Equipment and other required Accessories for the following purposes:

- a. Comprehensive communication network for MSETCL use covering all offices and substations for applications such as SCADA, Tele-metering, Tele-protection for transmission lines, ABT metering, ERP, VoIP, Video conferencing etc.
- b. Communications network for commercial purposes by leasing spare capacities to third parties, thus providing additional revenues.

2. Objective:

The MSETCL is planning expand the communication network across Maharashtra State by laying the 6150 Km OPGW on 220 kV /132 kV /110 kV /100 kV, EHV transmission lines by replacing the existing earth wire on live line conditions to connect the 175 nos of substation along with installation of Fiber Optic Terminal Equipment's (FOTE) & Teleportation equipment including operation and maintenance through JV (Joint Venture) model i.e. PPP. The details of substation as per the Annexure-1.

3. Scope of Work:

Scope of Work for the Joint Venture Company:

- Designing, Survey and Engineering
- Procurement of cable and equipment
- Stores and inventory management (through its own stores)
- Installation, Testing and Commissioning on live EHV transmission lines and substations.
- Daily supervision of work, Operations and Maintenance,
- Sales & marketing Operations
- Monetization of OPGW assets through lease
- Any other supplementary or incidental matters to achieve the objectives of JV Company.
- Resolving any obstructions and or any expenses/compensation during stringing of OPGW.

Scope of Work for MSETCL:

- Planning and Scheme preparation
- Approval of design and technical parameters
- Approval and Participation in Type tests and Factory acceptance tests
- Providing support and access to the facilities at sites
- Support in ROW matters and to facilitate obtaining statutory permissions from concerned government / semi- governments authorities.
- Any other supplementary or incidental matters to achieve the objectives of JV Company.

4. Eligibility conditions of Parties for EOI participation:

The Parties or its parent or affiliates should have a valid IP-1 (Infrastructure Provider Category-1) from Department of Telecom, Govt. of India registration for a minimum prior period of three years and must have supply & live line installation experience of OPGW on existing EHV Power transmission line, up-gradation to higher fibre count, active FOTE and passive OPGW Operation and maintenance and network elements, fibre monetization, PPP with Government utilities on long term contracts.

The Parties or its parent or affiliates should be financially sound and have positive net worth to meet JV investments.

5. Indicative ROW Charges and revenue expectation:

The ROW charges shall comprise of two components:

- (a) Rs 30 Cr One-time Upfront Payment to MSETCL in the form of Premium, payable for grant of ROW.
- and
- (b) The Annual payment based on Fixed Share of Gross Revenue of 10 % to MSETCL.

6. Investment structure:

Proposed pattern of shareholding of the JV shall be as follows:

- (a) 51 % (Fifty-One per centum) shall be held by selected Party
- (b) 49 % (Forty-Nine per centum) shall be held by MSETCL.
- (c) Out of the above 49 % Equity to be held by MSETCL, 40 % of the equity requirement shall be invested by MSETCL and balance 9 % (Nine per centum) shall be allotted to MSETCL by the JV Company as Equity for consideration other than Cash, based upon.
 - (i) Reputational equity of MSETCL as the premier electricity transmission body in the state,
 - (ii) Current and prospective eminent domain access that MSETCL enjoys throughout the state, being nodal agency, charged with transmission electricity- an essential service.
- (iii) 2:1 Debt: Equity ratio
- (iv) Reserving fibres for electricity management: Eight (8) fibres shall be reserved out of the total 48 Fibres for internal use of MSETCL for the electricity management. Remaining spare fibres 40 fibre out of 48F for commercial monetization. For higher count OPGW the fiber reserve for internal use of MSETCL will be on pro-rata basis.

7. Expansion Plan:

Provision needs to be made for expansion of the OPGW network for 500 kms.

8. Roll out obligation:

- (a) Minimum 48F OPGW shall be installed on live line condition by replacing the existing earth wire after obtaining the necessary permission work from respective zones, circles of MSETCL.
- (b) 6150 Km Entire project shall be completed in 3 phases Y1 2000 Km, Y2 2000 Km Y 3 2150 Km
- (c) 175 nos of FOTE shall be installed in 3 phases Y1 50, Y2 50 & Y3 75
- (d) 10% of total project estimated cost, Performance Bank Guarantee shall be given during project execution period.

9. Network Capacity for Internal Use by MSETCL:

- (a) MSETCL requires certain Capacity for Internal Use (CIU) for Data transmission, SCADA, ABT metering, Transmission line protection, RTU connectivity, VOIP, PMU connectivity etc. The JV Company shall be required to reserve 8 fibres from the installed Network Capacity of 48 fibres for MSETCL, as part of its obligations, without any consideration. For higher count OPGW the fiber reserve for internal use of MSETCL will be on pro-rata basis.
- (b) FOTE equipment's: The JV company shall lease/provide the minimum capacity of 1 x STM- 16 with tele protection on two fibres out of the above eight fibres, without any consideration, throughout the Joint Venture Period. The equipment for this capacity shall be installed with necessary spares and Network Management System separately for MSETCL.
- (d) The Terminal equipment for deriving this capacity shall be expandable to STM- 64 capacity in future.
- (e) MSETCL shall provide required power and space for installation of equipment for MSETCL's use.
- (f) JV Co in its sole discretion may cater to the business needs through installation of OPGW having higher fiber count i.e., beyond 48F subject to technical feasibility.

MSETCL will provide an open space of 250 sq. feet on rental basis at substations where the fiber under JV is terminating subject to the availability of the space in the substation. The required power supply arrangement is the responsibility of the JV Company.

10. Duration for use of Right of Way:

The JV shall establish a telecom network in Maharashtra using Right of Way ("ROW") provided by MSETCL. Use of ROW shall be granted for initial period of 20 years including the project execution period, renewable upon renegotiation for a further period, at the sole discretion of MSETCL.

After completion of the JV period, the assets of JV company will be handed over to MSETCL without any cost.

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

11. Operation & Maintenance of Communication network:

- (a) The JV company shall be responsible for O&M of OPGW network and FOTE equipment's with SLA of 99.95% throughout JV period without any consideration.
- (b) Min spares of all the network products shall be maintained at respective location.

12. Clarification in EoI Document

- (a) Parties are encouraged to inform themselves fully about the Project and the local conditions before submitting the EOI. In case the Party has any doubt about the meaning of anything contained in the EoI document, it shall seek clarification from the office of MSETCL as per the timelines mentioned in clause.
- (b) Any such clarification, together with all details on which clarification had been sought, will be copied to all Parties. All communication between the Party and MSETCL shall be carried out by email. Except for any such written clarification by the MSETCL, which is expressly stated to be an addendum/corrigendum to the EoI document issued by MSETCL, no written or oral communication, presentation, or explanation by any other employee of MSETCL shall be taken to bind MSETCL.

13. Bidding parameter:

MSETCL reserve the rights to decide suitable bidding parameters in the RFP document.

14. Instructions to the interested parties

Parties must read all the "Instructions to Parties" very carefully.

- (a) Parties must ensure that the EOI is submitted with all relevant details and information. In no case there should be an attempt to make it a bulky document with undesired documents and other unwanted details.
- (b) Details should be provided strictly in the "Prescribed Formats".
- (c) Parties must ensure that each page form no 1 and 2 of the EOI are signed by the duly authorized signatory of the Party. All signatures must be dated.
- (d) Parties may seek to get their doubt(s) clarified during the pre-proposal conference of the EOI inviting authority or can communicate through email on or before 16.06.2025.
- (e) Interested Parties can give suggestions & opinion on their technical solutions if any.
- (f) **The EOI i.e. Form-1 & 2 (duly filled) shall be submitted via email to ceaci@mahatransco.in only. No other document shall be submitted.**

Mumbai

Chief Engineer (ACI & P)

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

Form-1 Expression of Interest

(Parties must submit this expression of interest cover letter on official letter head of the firm / company)

Ref:

Date:

Chief Engineer ACI&P

Maharashtra State Electricity Transmission Company Limited,

MSDCL Old Building, Thane-Belapur Road, P.O. Airoli, Navi Mumbai – 400708

Sub: Submission of Expression of Interest (EOI) for Expansion of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture).

Ref: MSETCL EOI no. MSETCL/ACI&P/OPGW/2025-26/01 DT 16/06/2025

Sir,

We (name of firm/company) intend to submit an Expression of Interest (EOI) for the Formation of Joint Venture (JV) With Maharashtra State Electricity Transmission Company Ltd. (MSETCL) For Developing and monetization of the OPGW Network in Maharashtra in response to the request for Expression of Interest (EOI) published On dt 16.06.2025.

We are submitting all the required credentials/information as prescribed in your Solicitation of EOI in prescribed formats.

We confirm that the information contained in this EOI or any part thereof, including it's exhibits and other documents submitted or to be submitted to the MSETCL is true, accurate, verifiable, and complete. This response includes all the information necessary to ensure that the statements. Therein do not, in whole or in part mislead the MSETCL in its short-listing process. It is hereby confirmed that I/We are entitled to act on behalf of our firm / Company and empowered to sign this document as well as such other documents, which may be required in this connection

We understand that this EOI submission does not guarantee or add any Weightage for further selection process.

Date:

Signature

(In the Capacity of)

Duly authorized to sign the EOI for and on
behalf of (Name and Address of Company)
Seal/Stamp

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

Form -2

S1	Description	Parties response
1	Name & Address of the Party with Telephone No./ email`	
2	a) Year of Establishment b) Date of commencement of operations	
4	Legal status of the Party Proprietorship firm 1) Partnership firm 2) Limited company 3) Others (Please specify)	
5	Names of Directors & other executives involved in this project with designation and contact information.	
6	Party's annual turnover in the last three financial years (Rs.)	
7	Briefs write-up about Parties business during the last three financial years	
8	Any other information considered necessary but not included above	
9	Experience in Installation, Testing and Commissioning on live EHV transmission lines and substations	
10	Valid IP-1 (Infrastructure Provider Category-1) from Govt. of India registration for a minimum prior period of three years	

Date:

Signature

(In the Capacity of)

Duly authorized to sign the EOI for and on behalf of (Name and Address of Company)

Seal/Stamp

Subject: Invitation for Expressions of Interest (EOI) for Expansion and Monetization of MSETCL's OPGW communication network by approximately 6150 km to include all balance 220 kV and Generation attached 132 kV substations through JV (Joint Venture)

-END-

List of substations for OPGW laying Annexure-I

Any other information regarding the substation will be provided on request.

	Zone	NAME OF SUBSTATION	Name of Line	Line Length
1	Amravati	220 KV AMRAVATI S/S	220 kv Akola-Amravati	0
2	Amravati	220 KV BADNERA S/S	220 kv Amravati-Badnera	0
3	Amravati	220 KV DHAMANGAON S/S	220 kv Wardha-Dhamangaon	53
4	Amravati	220 KV ANJANGAON (VIHIGAON) S/S	220 kv Akola-Anjangaon	51
5	Amravati	220 KV NANDGAON PETH S/S	220 kv Amravati-Nandgaonpeth	40
6	Amravati	220 KV WARUD S/S (BENODA)	220 kv Kalmeshwar-220 kv Warud	91
7	Amravati	220 KV PANDHARKAWADA S/S	220 kv Pandharkawada-Wani	0
8	Amravati	220 KV PUSAD S/S	220 kv Parbhani-Pusad	0
9	Amravati	220 KV YAVATMAL S/S	LILO tower of 220 kV Yevatmal on 220 kV Pusad-Bhugaon line -220 kV Yevatmal	3
10	Amravati	220 KV WANI S/S	220 kv Wani-Warora	0
11	Amravati	220 KV GHATODI S/S	220 kv Pusad-Ghatodi	22
12	Amravati	220 KV NER S/S	220 kv Ner-Badnera	0
13	Amravati	220 KV SWITCHYARD PARAS	132 kv Paras-Malkapur	0
14	Amravati	220 KV BALAPUR S/S	220 kv Paras-Balapur	7
15	Amravati	220 KV MALEGAON (ZODGA) S/S	220 kv Balapur-Malegaon	71
16	Amravati	220 KV CHIKHALI S/S	220 kv Jalna-Chikhali	77
17	Amravati	220 KV MALKAPUR (DHARANGAON) S/S	132 kV Malkapur-Malkapur(Dharangaon)	7
18	Amravati	220 KV AKOLA S/S	220 kv ParasAkola	0

	Zone	NAME OF SUBSTATION	Name of the Line	Line Length
1	Chh.Sambhaji Nagar	220 KV SHENDRA GIS (DMIC) S/S	220 kv Shendra-Shendra DMIC-Chitepimpalgaon	0
2	Chh.Sambhaji Nagar	220 KV PADEGAON S/S	220 kv Waluj-Padegaom	12
3	Chh.Sambhaji Nagar	220 KV CHITEGAON S/S	220 kv Waluj-Chitegaon	26
4	Chh.Sambhaji Nagar	220 KV SAWANGI S/S	220 kv Padegaon-Sawangi	17
5	Chh.Sambhaji Nagar	220 KV SHENDRA S/S		0
6	Chh.Sambhaji Nagar	220 KV DEOGAON RANGARI S/S	220 kv Waluj-Devgaon Rangri	39
7	Chh.Sambhaji Nagar	220 KV PHULAMBRI S/S	220 kv Sawangi-Phulambri	34
8	Chh.Sambhaji Nagar	220 KV PARBHANI S/S		0
9	Chh.Sambhaji Nagar	220 KV HINGOLI MIDC S/S	From LILO tower of 220 kv Hingoli-220 kv Hingoli	22
10	Chh.Sambhaji Nagar	220 KV KURUNDA GIS S/S	400 kv kumbhargaon-Kurunda-Hingoli-Girvali	0
11	Chh.Sambhaji Nagar	220 KV JALNA S/S		0
12	Chh.Sambhaji Nagar	220 KV BHOKARDAN S/S	220 kv Phulambri-Bhokardhan	46
13	Chh.Sambhaji Nagar	220 KV PARTUR MIDC S/S		0
14	Chh.Sambhaji Nagar	220 KV NAGEWADI S/S		0

15	Chh.Sambhaji Nagar	220 KV GIRWALI S/S		0
16	Chh.Sambhaji Nagar	220 KV MURUD S/S	220 kv Girvali-Murud	44
17	Chh.Sambhaji Nagar	220 KV HARANGUL S/S	220 kv Old GRC Parli-ICL-Harangul (54+8)	62
18	Chh.Sambhaji Nagar	220 KV JALKOT S/S	220 kv Kumbhargaon-Jalkot	0
19	Chh.Sambhaji Nagar	220 KV OLD GCR PARLI S/S		0
20	Chh.Sambhaji Nagar	220 KV OSMANABAD S/S	220 kv Bale-Osmanabad	64
21	Chh.Sambhaji Nagar	220 KV BEED S/S	220 kv New TPS-Beed	88
22	Chh.Sambhaji Nagar	220 KV NEW GCR PARLI S/S		0
23	Chh.Sambhaji Nagar	220 KV TULJAPUR S/S	220 kv Lamboti-Tuljapur	39
24	Chh.Sambhaji Nagar	220 KV PARANDA S/S	220 kv Paranda-barshi	44
25	Chh.Sambhaji Nagar	220 KV PATODA S/S	220 kv Manjarsumbha-Patoda	33
26	Chh.Sambhaji Nagar	220 KV PARLI 8TH UNIT SWITCHYARD S/S		0
27	Chh.Sambhaji Nagar	220 KV MANJARSUMBHA S/S	220 kv Beed-Manjarsumbha	24
28	Chh.Sambhaji Nagar	220 KV NARANGWADI S/S		0
29	Chh.Sambhaji Nagar	220 KV GEORAI S/S		0
30	Chh.Sambhaji Nagar	220 KV WAGHALA NANDED S/S		0

31	Chh.Sambhaji Nagar	220 KV BHOKAR S/S		0
32	Chh.Sambhaji Nagar	220 KV KRUSHNOOR S/S	220 kv Kumbhargaon-Krushnoor	0

	Zone	NAME OF SUBSTATION	Name of the Line	Line Length
1	Karad	220 KV OGALEWADI (KARAD 1) S/S	220 kv Karad-Ogalewadi	8
2	Karad	220 KV LONAND S/S	220 kv Jejuri(400)-Lonand	30
3	Karad	220 KV MALHARPETH S/S	220 kv Karad-Malharpeth	16
4	Karad	220 KV SATARA MIDC S/S	220 KkV malharpeth-Satara MIDC	61
5	Karad	220 KV WANKUSWADE S/S	220 kv KDPH-Vankuswade	40
6	Karad	220 KV NIGADE (WIND) S/S	220 kv karad-Nigade	56
7	Karad	220 KV SADAWAGHAPUR S/S	220 kv Karad-Sadawaghapur	31
8	Karad	220 KV PHALTAN MIDC S/S	220 kv Lonand-Phaltan MIDC	18
9	Karad	220 KV NERLE (PANAMA) S/S	220 kv Karad-Dasgaon-Nerle 29+12	41
10	Karad	220 KV BOTHE S/S	220 kv Phaltan-Swaraj Cogen-Bothe 30+8	38
11	Karad	220 KV MIRAJ S/S	220 kv Mhaisal-Miraj	33
12	Karad	220 KV PETH S/S	200 kv Nigade-Peth	58
13	Karad	220 KV VITA S/S		0
14	Karad	220 KV GHATNANDRE S/S	220 kv Vita-Ghatnandre	40
15	Karad	220 KV JATH S/S	220 kv Mhaisal-Jath	68
16	Karad	220 KV KADEGAON S/S	220 kv Karad-Kadegaon	35
17	Karad	220 KV MHAISHAL S/S		0
18	Karad	220 KV KOLHAPUR 2 (MUDSHINGI) S/S	220 kv Kolhapur-Mudshingi	12
19	Karad	220 KV GADHINGLAJ (MUMEWADI) S/S		0

20	Karad	220 KV ICHALKARANJI 2 (TILWANI) S/S	220 kv Talandge-Ichalkaranji	13
21	Karad	220 KV HALKARNI S/S		0
22	Karad	220 KV 5 STAR MIDC KAGAL (TALANDAGE) S/S	220 Kv Talandge-5STAR MIDC	4
23	Karad	220 KV WATHAR S/S	220kv Mudshingi-Wathar	27
24	Karad	220 KV BIDRI S/S	220 kv Talandge-Bidri	39
25	Karad	220 KV HAMIDWADA S/S	220 kv Mumewadi-Hamidwada	23
26	Karad	220 KV KHAREPATAN S/S	220 kv Pawas-Kharepatan	79
27	Karad	220 KV FINOLEX (PAWAS) S/S	220 kv Niwaliphata-Pawas	56
28	Karad	220 KV DASTURI S/S		0
29	Karad	220 KV SAWANTWADI (INSULI) S/S	220 kv Bidri-Sawantwadi	110
30	Karad	220 KV NIWALIPHATA S/S	220 kv New Koyna-Niwaliphata	75
31	Karad	220 KV ONI S/S	220 kv Kharepatan-Oni	31
32	Karad	220 KV LOTE PARSHURAM S/S		
33	Karad	220 KV KOYANA STAGE III S/S		
34	Karad	220 KV KOYNA STAGE II S/S		
35	Karad	220 KV KDPH S/S		
36	Karad	220 kv TILLARI		
37	Karad	220 Kv MAHALAXMI		

	Zone	NAME OF SUBSTATION	Name of the Line	Line Length
1	Nagpur	220 KV BUTIBORI 1 S/S		0
2	Nagpur	220 KV AMBAZARI S/S		0
3	Nagpur	220 KV KHAPARKHEDA S/S		0
4	Nagpur	220 KV KALMESHWAR S/S	220 kv Ambazari-Kalmeshwar	13

5	Nagpur	220 KV KANHAN S/S	220 Kv Uppalwadi-Kanhan	23
6	Nagpur	220 KV PURTI S/S	220 kv Butibori 3-Purti	38
7	Nagpur	220 KV UMRED S/S		0
8	Nagpur	220 KV ABHIJIT S/S	220 kv Ambazari-Abhijit	16
9	Nagpur	220 KV BUTIBORI 3 S/S	220 kv Butibori-Butibori 3	3
10	Nagpur	220 KV SUNFLAG (BHANDARA) S/S	220 kv Kanhan-Bhandara (Sunflag)	64
11	Nagpur	220 KV KAULEWADA S/S	132 kv Bhandara-Madgi-Kaulewada (27+35)	62
12	Nagpur	220 KV KORADI S/S		0
13	Nagpur	220 KV UPPALWADI S/S		0
14	Nagpur	220 KV WARORA S/S		0
15	Nagpur	220 KV CHANDRAPUR MIDC S/S	220 kv Tadali-Chandrapur MIDC	11
16	Nagpur	220 KV SICOM S/S	220 kv Chandrapur 2-Sicom	18
17	Nagpur	220 KV GADCHANDUR S/S	220 kv Chandrapur MIDC-220 kv Gadchandur	33
18	Nagpur	220 KV VIRUR S/S	220 kv Gadchandur-Virur	37
19	Nagpur	220 KV GADCHIROLI S/S	220 kv Virur-Gadchiroli	124
20	Nagpur	220 KV MATHERDEVI (GHUGGUS) S/S	220 kv Chandrapur 2-Tadali	20
21	Nagpur	220 KV TADALI S/S	220 kv Chandrapur 2-Tadali	12
22	Nagpur	220 KV BALLARSHAH S/S	220 kv Chandrapur MIDC-Ballarsha	26
23	Nagpur	220 KV NAGBHID S/S		0
24	Nagpur	220 KV WARDHA S/S		0
25	Nagpur	220 KV BHUGAON S/S		0
26	Nagpur	220 KV HINGANGHAT S/S	220 kv Bhugaon-Ginganghat	33
27	Nagpur	220 KV KARANJA (HETIKUNDI) S/S		0
28	Nagpur	220 KV CHANDRAPUR S/S		0

Sr.No.	Zone	NAME OF SUBSTATION	Name of the Line	Line Length
1	Nashik	220 KV EKLAHRE (GCR) S/S		0
2	Nashik	220 KV EKLAHRE (OCR) S/S		0
3	Nashik	220 KV SATANA S/S	220 kV Malegaon -- Satana	32
4	Nashik	220 KV MALEGAON (NASHIK) S/S	220 kV Sayne -- Malegaon	24
5	Nashik	220 KV RAYMOND S/S		0
6	Nashik	220 KV SAYNE S/S	220 kV Chalisgaon -- Sayne	33
7	Nashik	220 KV KALWAN (BHENDI) S/S	220 kV Satana(132 kV line) -- Bhendi	18
8	Nashik	220 KV PIMPALGAON (WAVI) S/S	220 kV Eklahare(GCR) -- Pimpalgaon	44
9	Nashik	220 KV MANMAD S/S		0
10	Nashik	220 KV BABHALESHWAR S/S	220 kv Bableshwar(400)-Bableshwar	4
11	Nashik	220 KV SONEWADI(Ahmednagar) S/S	220 kV Belwandi -- Sonewadi	48
12	Nashik	220 KV BHENDA S/S	400 kV Waluj-Bhenda	70
13	Nashik	220 KV BELWANDI S/S	400 kV Karjat -- Belwandi	43
14	Nashik	220 KV KOPARGAON S/S	220 Manmad(132 kV line) -- 132 kV Yeola -- 220 kV Kopargaon(on 132 kV line)	56
15	Nashik	220 KV AMRAPUR S/S	220 kV Bhenda(on 132 kV line) -- 132 kV shevgaon -- 220 kV Amrapur(on 132 kV Line)	45
16	Nashik	220 KV AMALNER S/S	400 kV Dhule -- Amalner	31
17	Nashik	220 KV BAMBHORI S/S	220 kV Amalner -- Bhambhori	47
18	Nashik	220 KV VIRODA S/S	400 kV Deepnagar -- Viroda	25
19	Nashik	220 KV KEKAT NIMBHORA S/S		0
20	Nashik	220 KV CHALISGAON S/S		0
21	Nashik	220 KV DONDAICHA S/S	400 kV Dhule -- Dondaicha	63

22	Nashik	220 KV SHAHADA S/S	220 kV Dondaicha -- Shahada	29
23	Nashik	220 KV JAMDE S/S	220 kV Dondaicha -- Jamde	34
24	Nashik	220 KV VALVE S/S	220 kV Jamde -- Valve	13
25	Nashik	220 KV SHIVAJINAGAR S/S	220 kV Dhule(on 132 kV line) -- Shivajinagar	75
26	Nashik	220 KV RELIANCE LIFESCIENCE S/S	220 kV Eklahare(OCR) -- Reliance	0
27	Nashik	220 KV DHULE S/S		0

Sr.No.	Zone	NAME OF SUBSTATION	Name of Line	Line Length
1	Pune	220 KV PIRANGUT S/S	220 kv Kandalgaon-Pirangut	47
2	Pune	220 KV URSE S/S		0
3	Pune	220 KV TALEGAON AMBI S/S		0
4	Pune	220 KV THEUR S/S		0
5	Pune	220 KV PARVATI S/S		0
6	Pune	220 KV 512 KHADKI S/S		0
7	Pune	220 KV PHURSUNGI S/S	132 kV Phursungi-Phursungi	1
8	Pune	220 KV MAGARPATTA S/S		0
9	Pune	220 KV SERUM S/S	200 kV Magarpatta-Serum	4
10	Pune	220 KV NANDED CITY S/S	220 kV Flagship-Nandedcity	16
11	Pune	220 KV KONDHWA GIS S/S	220 kV Kondwa-Nandedcity	15
12	Pune	220 KV CHINCHWAD 1 S/S		0
13	Pune	220 KV BHOSARI 1 S/S		0
14	Pune	220 KV TELCO S/S		0
15	Pune	220 KV HINJEWADI 1 S/S		0

16	Pune	220 KV HINJEWADI 2 S/S		0
17	Pune	220 KV VSNL S/S		0
18	Pune	220 KV BHOSARI 2 S/S		0
19	Pune	220 KV FLAGSHIP S/S	220 kV Chinchwad-Flagship	8
20	Pune	220 KV PEGASUS S/S		0
21	Pune	220 KV CHINCHWAD 2 S/S		0
22	Pune	220 KV KHED CITY S/S		0
23	Pune	220 KV ALEPHATA S/S	220 kV Alephata-Kathapur	30
24	Pune	220 KV RANJANGAON S/S		0
25	Pune	220 KV KATHAPUR S/S		0
26	Pune	220 KV BRIDGESTONE S/S	220 kv Chakan PH2-Bridgestone	5
27	Pune	220 KV CHAKAN PHASE 2 S/S	400 kV Chakan-Volkswagen-Chakan ph2,3+13	16
28	Pune	220 KV BALE (SOLAPUR 2) S/S	400 kV lamboti-Bale	26
29	Pune	220 KV PANDHARPUR S/S		0
30	Pune	220 KV BARSHI S/S	Covered in Chh.Sambhaji Nagar OPGW	45
31	Pune	220 KV JEUR S/S	400 kV Karjat-Jeur	0
32	Pune	220 KV MALINAGAR S/S	220 kV Tembhurni-Malinagar	76
33	Pune	220 KV KARKAMB S/S	220 kV Jeur- VSSSKL-Karkamb 29+11	40
34	Pune	220 KV TEMBHURNI S/S	220 kV jeur-Tembhurni	30
35	Pune	220 KV SOUTH SOLAPUR (KUMBHARI) S/S	132 Bale-SouthSolapur	22
36	Pune	220 KV BHALWANI S/S	220 kV Malinagar-Bhalvani	67
37	Pune	220 KV VAIRAG S/S	400 kV Lamboti-Vairag	35
38	Pune	220 KV JEJURI S/S	400 kV Jejuri-Jejuri	6
39	Pune	220 KV KURKUMBH S/S	220 kV Sirshuphal-Kurkumbh	18
40	Pune	220 KV BARAMATI S/S	220 kV Kurkumbh-Baramati	30

41	Pune	220 KV BHIGWAN S/S	220 kV Lonideokar-Bhigwan	35
42	Pune	220 KV SHIRSUPHAL S/S	220 kV Bhigwan-Sirshuphal	24
43	Pune	220 KV WALCHANDNAGAR S/S	220 kv Phaltan-Walchandnagar	57
44	Pune	220 KV LONI DEOKAR S/S	Tap on 220 kV Walchandnagar-Bhigwan	35
45		220 KV HINJEWADI 3 S/S	220 kV Hinjewadi2-Hinjewadi3 (OFAC)	0
46	Pune	220 KV CENTURY S/S		0
47	Pune	220 KV SAHARA S/S		0

Sr.No.	Zone	NAME OF SUBSTATION	Name of Line	Line Length
1	Vashi	220 KV TROMBAY S/S		0
2	Vashi	220 KV BORIVALI S/S		0
3	Vashi	220 KV MULUND S/S		0
4	Vashi	220 KV COLOURCHEM S/S		0
5	Vashi	220 KV NERUL S/S		0
6	Vashi	220 KV KOLSHET S/S		0
7	Vashi	220 KV SONKAR S/S		0
8	Vashi	220 KV AIROLI KNOWLEDGE PARK S/S		0
9	Vashi	220 KV BHANDUP GIS S/S	UG OFC cable from LILO tower to Bhandup ss	0
10	Vashi	220 KV PAWANE GIS S/S		0
11	Vashi	220 KV KAMBA S/S		0
12	Vashi	220 KV MAHAPE S/S		0

13	Vashi	220 KV TEMGHAR S/S	From LILO tower of 220 kV Kalwa-Padghe to 220 kV Tembghar	3
14	Vashi	220 KV BAPGAON S/S		0
15	Vashi	220 KV BOISAR 2 S/S		0
16	Vashi	220 KV WADA S/S		0
17	Vashi	220 KV NALASOPARA S/S		0
18	Vashi	220 KV VASAI 2 S/S		0
19	Vashi	220 KV BHAVEGHAR S/S		0
20	Vashi	220 KV VIRAJ S/S	132 kV Boisar 2-Viraj	3
21	Vashi	220 KV PALGHAR S/S		0
22	Vashi	220 KV KALWA S/S		0
23	Vashi	220 KV APTA S/S		0
24	Vashi	220 KV URAN S/S		0
25	Vashi	220 KV TAMBATI S/S	220 kV Apta-Tambati	22
26	Vashi	220 KV WADKHAL S/S	400 kV Nagothane-Wadkhal	22
27	Vashi	220 KV TALOJA S/S		0
28	Vashi	220 KV ONGC PANVEL S/S		0
29	Vashi	220 KV JAMBHUL S/S		0
30	Vashi	220 KV PAL-DOMBIVALI S/S		0
31	Vashi	220 KV WASHALA S/S		0
32	Vashi	220 KV ANANDNAGAR S/S		0
33	Vashi	220 KV PALAVA S/S		0
34	Vashi	220 KV KANDALGAON S/S		0
35	Vashi	220 KV MAHAD S/S		0
36	Vashi	220 KV VILE BHAGAD S/S	220 kV Kandalgaon-Vilebhagad	18
37	Vashi	220 KV GHATGHAR S/S		0

38	Vashi	220 KV JINDAL S/S		0
39	Vashi	220 KV ROMA S/S		0
40	Vashi	220 KV BOMBAY DYING S/S		0
41	Vashi	400 KV KUDUS S/S	From LILO of 220 kv Ghodbandar-Boisar to Kudus	32

List of substations for Solar/Wind connectivity.

	Zone	NAME OF SUBSTATION	Name of the Line	
1	Karad	Jath 110kV	Already consider in 220 kv SchemeP	0
2	Nashik	Khaprale 132kV	132 kv Khaprale-132 kv Sinnar-Nashik GCR(220)	23
3	Nashik	Khandke 132kV	132 kv Khandke-220 kv Sonewadi	22
4	Karad	Mayni 110kV	100 kv Mayani-Ogalewadi(220)	44
5	Karad	Sadawaghapur 220kV	Already consider in 220 kv Scheme	0
6	Karad	Naldurg 132kV	132 kv Naldurg-Tuljapur (220)	47
7	Nashik	Pachpatta 100kV	132 kv Pachpatta-Nashik GCR(220)	40
8	Karad	Shirala 132kV	100 kv Shirala-Peth (220)	26
9	Karad	Aundh 132kV	132 kv Aundh-132 kv Dahiwadi-132 kv Mograle-132 kv Phaltan-Lonand (220)	96
10	Chh.Sam.Nagar	Aranvihira 132kV	132 kv Aranvihira-132 kv Pathardi-132 kv Raimoha-Beed(220)	104
11	Karad	Nigade 220kV	Already consider in 220 kv Scheme	0
12	Chh.Sam.Nagar	Tuljapur 220kV	Already consider in 220 kv Scheme	0
13	Chh.Sam.Nagar	Jalkot 220kV	Already consider in 220 kv Scheme	0
14	Amravati	Nandgaon Peth 220kV	Already consider in 220 kv Scheme	0
15	Chh.Sam.Nagar	Patoda 220kV	Already consider in 220 kv Scheme	0
16	Chh.Sam.Nagar	Mantha 132kV	132 kv Mantha-Partur(220)	3
17	Nashik	Sakri 132kV	132 kv Sakri-Shivajinagar (220)	19
18	Karad	Vankusvade 220kV	Already consider in 220 kv Scheme	0
19	Karad	Malharpeth 220kV	Already consider in 220 kv Scheme	0
20	Chh.Sam.Nagar	Telgaon 132kV	132 kv Telgaon-Beed(220)	45
21	Nagpur	Katol 132kV	132 kv Katol-Kalmeshwar(220)	39

22	Pune	Shirsuphal 220kV	Already consider in 220 kv Scheme	0
23	Nashik	Jeur-Khandke 220kV	220 kv Jeur Khandke-220 kv Sonewadi	0
24	Nashik	Nandurbar 132kV	132 kV Nandurbar-Shahada (220)	34
25	Nashik	Walve 220kV	Already consider in 220 kv Scheme	0
26	Nashik	Shivajinagar 220kV	Already consider in 220 kv Scheme	0
27	Nashik	Jamde 220kV	Already consider in 220 kv Scheme	0
28	Karad	Ghatnandre 220kV	Already consider in 220 kv Scheme	0
29	Karad	Vita 220kV	Already consider in 220 kv Scheme	0
30	Karad	Satara MIDC 220kV	Already consider in 220 kv Scheme	0
31	Amravati	Balapur 220KV	Already consider in 220 kv Scheme	0
32	Chh.Sam.Nagar	Dharashiv (Osmanabad) 220kV	Already consider in 220 kv Scheme	0
33	Chh.Sam.Nagar	Partur 220kV	Already consider in 220 kv Scheme	0
34	Pune	Vairag 220kV	Already consider in 220 kv Scheme	0
35	Amravati	Ner 220kV	Already consider in 220 kv Scheme	0
36	Pune	South Solapur 220kV	Already consider in 220 kv Scheme	0
37	Karad	Phaltan MIDC 220kV	Already consider in 220 kv Scheme	0
38	Chh.Sam.Nagar	Narangwadi 220kV	Already consider in 220 kv Scheme	0
39	Karad	Ambheri 132kV	132 kv Ambheri-132 kv Aundh	15
40	Chh.Sam.Nagar	Rajpimpri 132kV	132 kv Rajpimpri-132 kv Georai-220 kv Georai	23
41	Pune	Karajgi 132kV	132 kv Karajgi-132 kv Mandrup-132 kv Soregaon-132 kv Degaon-220 kv Bale)	67
42	Nashik	Gangapur 220kV	220 kv Gangapur-Valve	13
43	Karad	Vaspeth 132kV	132 kv Vaspeth(Maruti wind)-132 Sangola- 132 kv Pandharpur(220)	74
44	Karad	Chavneswar 132kV	132 kv Chavneswar-Lonand(220)	30
45	Karad	Hiwarwadi 220kV	220 kv Hiwarwadi-220 kv Vita	51

46	Chh.Sam.Nagar	Mahtargaon 132kV (Solar Edge)	132 kv Mhatargaon-132 kv Pangri-220 kv Parli	25
47	Karad	Varkute-Malwadi 220kV	220 kv Varkute-220 kv Hiwarwadi	36
48	Pune	Mograle 132kV	Already covered	0
49	Pune	Wagdari 132kV	132 kv Waghdari-132 kv Naldurg	26
50	Pune	Mandrup 132kV	Already covered	0
51	Pune	Andhralake 100kV	100 Andralake-100 kv Khopali- Aapta(220)	64
52	Nashik	Muktainagar 132kV	Covered in MTCIL OPGW	0
53	Nashik	JBM Solar 132kV	132 kv JBM Solar-Chalisingaon(220)-Already covered in MTCIL OPGW	0
54	Nashik	Fermi Solar 132kV	132 kv Fermi Solar-Chalisingaon(220)-Already covered in MTCIL OPGW	0
55	Karad	Palaswadi 110kV	100 kv Palaswadi-110 kv Dighanchi-100 kv Pandharpur	60
56	Nashik	Kombhalne 132kV	132 kv Kombhalne-132 kv Akole-132 Khaprle	87
57	Karad	Walsang 132kV	132 kv Valsang-Jath(220)	16
58	Karad	Bhambarwadi 132kV	100 Kv Bambarwadi-100 kv Athni-100 kv kale T- Ogalewadi(220)	50
59	Karad	Dasgaon 220kV	Already consider in 220 kv Scheme	0
60	Karad	Bothe 220kV	Already consider in 220 kv Scheme	0
61	Karad	Nerle 220kV	Already consider in 220 kv Scheme	0
62	Karad	Mendhegiri 220kV	220 kv Alkud-Mendhegiri	54
63	Karad	Shedyal 220kV	220 kv Jath-shedyal	19
64	Karad	Khanapur 220kV	220 kv Khanapur-Pandharpur	45
65	Chh.Sam.Nagar	Lohara 132kV	132 kv Lohara-220 kv Tuljapur	0
66	Chh.Sam.Nagar	Koral 132kV	132 kv Koral-132 kv Killari-Narangwadi(220)	50
67	Chh.Sam.Nagar	Pathri 132kV	132 kv pathri-Parbhani (220)	48

68	Chh.Sam.Nagar	Gangakhed 132kV	132 kv Gangakhed-Parli GCR(220)	33
69	Nagpur	Saoner 132kV	132 kv Saoner-Kalameshwar(220)	50
70	Amravati	Arni Solar 132kV	132 kv Arni-132 kv Digras	37
71	Amravati	Tighra 132kV	Path already covered in MTCIL	0
72	Pune	Avaada Wairag 220kV	Avaada Wai 220 kv-220 kv Vairag	0
73	Nashik	Bhadgaon 132kV	Already covered(132 kv Houban-132 kv Sakri-220 kv Dhule)	0
74	Chh.Sam.Nagar	Ghansawangi 132kV	132 kv Ghansawangi-132 kv Tirthpuri-132 kv Ambad-Jalna (220)	75
75	Chh.Sam.Nagar	Himayatnagar 132kV	132 kv Himayatnagar- 220 kv Bhokar)	45
76	Amravati	Motala 132kV	132 kv Motala-132 kv Malkapur	31
77	Nashik	Sakore 132kV	132 kv Sakore(Chordiya)-132 kv Chalisgaon-220 kv Chalisgaon	73
78	Chh.Sam.Nagar	Soygaon 132kV	132 kv Soygaon-132 kv Sillod-220 kv Bhokardhan	56
79	Chh.Sam.Nagar	Rohilagad 220kV (TP Surya)	LILO on 220 kv Nagewadi-Taptitanda (Already have OPGW)	0
80	Amravati	Kinhala 132kV	Kinhala(CTRLS) 132 kv-220 kv Karanja	26
81	Amravati	Bagapur 132kV	Bagapur(Renew) 132 kv -132 kv Digras-220 kv Ghatodi	56
82	Chh.Sam.Nagar	Barul 132kV	Barul(JSW wind) 132 kv-220 kv Tuljapur	16
83	Chh.Sam.Nagar	Sonpeth 132 kv	132 kv Sonpeth-132 kv Gangakhed-132 kv Parli	60
84	Amravati	220 kV Balapur(Viraj Solar)	Already consider in 220 kv Scheme	
85	Pune	Chetak Energy	220 kV South solapur -- 132 kV Gokul sugar -- 132 kV Chetak Solar	40
86	Karad	400 kV Alkud (Suzlon Energy)		
87	Chh.Sambhaji nagar	132 kV Sengaon(Energevo)	220 kV Hingoli -- 132 kV Sengaon	33

88	Nashik	220 kV Kekatnimbhora (Lucerne Solar)		0
89	Chh.Sambhaji nagar	132 kV Fairsun	220 kV Jalkot -- 132 kV Chakur -- 132 kV Jagruti CoGen-- 132 kV Udgir -- 132 kV Fairsun	155
91	Amravati	132 kV Ghatanji S/s(CMES Jupiter)	220 kV Pandharkawda -- 132 kV Ghatanji	31
92	Chh.Sambhaji nagar	132 kV Sengaon (TS wind)	Covered under Sengaon	0
93	Chh.Sambhaji nagar	220 kV Hingoli (Tata Power)	Already consider in 220 kv Scheme	0
94	Chh.Sambhaji nagar	Avaada Energy	LILO on 132 kV Kaij -- Kallamb	32
95	Amravati	132 kV Ralegaon (Amplus Kaveri)	132 kV Ralegaon -- 220 kV Pandharkawda	61