

Procedure for Grant of Grid Connectivity to InSTS

In accordance with the
Maharashtra Electricity Regulatory Commission
(Transmission Open Access) Regulations, 2016



Prepared by

**STATE TRANSMISSION UTILITY
MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**

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PROCEDURE FOR GRANT OF GRID CONNECTIVITY TO INSTS

1. **OUTLINE:**

- 1.1. This Procedure is in accordance with the various provisions of MERC (Transmission Open Access) Regulation - 2016 for intra-State Transmission System, hereinafter referred to as “the Regulations” of “Maharashtra Electricity Regulatory Commission”. All applicants shall abide by the provisions of the Regulations.
- 1.2. This Procedure shall apply to the Applications made for Grant of Connectivity to the transmission lines or associated facilities of the intra-State transmission system (InSTS), received by the State Transmission Utility (STU) on or after the date notified by the Commission of coming into force of the Regulations.
- 1.3. Application for grant of connectivity can be made by :-
 - 1.3.1. A Generating station of installed capacity 05 MW and above, including Renewable Energy Projects and a captive generating plant of exportable capacity of 05 MW and above.
 - 1.3.2. A bulk consumer who intends to avail supply of a minimum load of 05 MW from the Intra-State Transmission System.
- 1.4. The applicant (Generator/bulk consumer) already connected to grid (regional or state grid) or for which connectivity is already granted under the present arrangement, shall not be allowed to apply for additional connectivity for the same capacity. In case of extension of capacity of generator or bulk consumer, however, it shall be required to make application for connectivity as per the provisions of these procedures.
- 1.5. The nodal agency for grant of Connectivity, Long-term access and Medium-term open access to the inter-state transmission system shall be the STU i.e. Maharashtra State Electricity Transmission Company Ltd. (MAHATRANSCO).
- 1.6. Applicant granted “Connectivity” will be required to sign “Connection Agreement” with STU prior to the physical inter-connection. In case the connectivity is granted to the InSTS of an intra-State transmission licensee other than the STU, a tripartite agreement shall be signed between the applicant, the State Transmission Utility and such intra-State transmission licensee, in line with the provisions of the Regulations. After signing of the Agreement, Nodal Agency will provide a copy of the same to the SLDC.
- 1.7. Grid Connectivity shall not be granted to the proposed InSTS network. In case, the applicant seeks grid connectivity at the under-construction InSTS network, the same shall be considered only if the transmission scheme is near to the commissioning stage. In such case, STU shall expedite the works so as to match the schedule of commissioning of the generator and/or bulk power consumer, however, due to delay in commissioning of such schemes by STU, applicant shall not be claim for any type of compensation from STU.

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- 1.8. The scheduling jurisdiction and procedure, metering, energy accounting and accounting of Unscheduled Interchange (UI) charges would be as per the relevant MERC Regulations, the Indian Electricity Grid Code and MERC State Grid Code, as amended from time to time.
- 1.9. Grid connectivity is not transferrable. It is applicable only to the applicant. In case of Wind or Solar PV Power Projects, where there are multiple investors owning different generation capacities and connected to common evacuation infrastructure which is developed by the applicant, the Grid Connectivity will be applicable to the applicant and such investors, however, no separate grid connectivity shall be issued to the individual investor.
- 1.10. The applicant shall have to comply with the provisions of the Regulations.

2. APPLICATION FOR CONNECTIVITY:

- 2.1. The application for Grant of Connectivity to InSTS should be submitted in a sealed envelope with “Application for Grant of Connectivity” clearly marked on the envelope. The application shall be addressed to:

The Chief Engineer (STU)
Maharashtra State Electricity Transmission Company Ltd.
4th Floor, A-Wing, Prakashganga,
E-Block, Plot No. C-19,
Bandra Kurla Complex, Bandra (E),
Mumbai – 400 051.
Maharashtra.
Fax: 022-2659 1222.

- 2.2. The application for Grant of Connectivity to InSTS shall be made as per the application format for connectivity (**FORMAT: A – 1**) and shall contain details such as, proposed geographical location of the applicant, quantum of power to be interchanged that is the quantum of power to be injected in the case of a generating station including a captive generating plant and quantum of power to be drawn by the consumer, unit-wise commissioning schedule, etc.
- 2.3. The Application shall be accompanied by a non-refundable processing fee as specified in the Regulations
 - For All the Conventional Generating Projects & Bulk Power Consumers the fee shall be Rs. 2.0 Lakhs (Two Lakh Rupees Only)
 - For all the Renewable Energy Generation Projects the fee shall be Rs. 1.0 Lakhs (One Lakh Rupees Only)
- 2.4. Application fees are to be paid through DD or directly credited to MAHATRANSCO Account electronically through RTGS (Real-time gross settlement) as per details given below:
 - Payee: Maharashtra State Electricity Transmission Company Ltd.
 - Name of Bank : Central Bank of India

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- Branch : Bandra Kurla Complex
- IFSC : CBIN0282611
- A/c No. : 1001795634

Provided that proof of payment directly credited to above MAHATRANSCO account must be attached with the application. The Demand Draft shall be in favour of Maharashtra State Electricity Transmission Company Ltd. payable at Mumbai.

- 2.5. All applications received during the month shall be treated to have been made concurrently.
- 2.6. An incomplete Application, and/or an Application not found to be in conformity with these Procedures and Regulations, shall be rejected.

3. CHANGES TO APPLICATION ALREADY MADE:

- 3.1 In cases once an application has been filed and thereafter there has been any material change in the location of the applicant or change, by more than ten percent (10%) in the quantum of power to be interchanged with the Intra-State transmission system and or change in the installed capacity, the applicant shall make a fresh application, which shall be considered in accordance with these Regulations and procedures.
- 3.2 Once the Grid Connectivity is granted for any project and if the applicant needs to modify or amend the point of connection to the InSTS other than the sanctioned point of connection, the applicant shall make a fresh application, irrespective of the reason towards such modification or amendment, which shall be considered in accordance with these Regulations and procedures.
- 3.3 Grid connectivity is location specific i.e. it is applicable for a specific location where the generation plant is located. In case of any change in location of the plant, the applicant will have to make a fresh application for Grid Connectivity which shall be considered in accordance with these Regulations and procedures and the earlier application shall be considered as cancelled.
- 3.4 A generator or a captive generating plant or a consumer already connected to Intra-State Transmission System or for which connectivity is already granted under the present arrangement shall not be required to apply for connectivity for the same capacity.
- 3.5 In case of enhancement of capacity of generator including, a captive generating plant, or increase in power requirement of the consumer, including captive user, it shall be required to make fresh application for seeking connectivity as per the provisions of Regulations.
- 3.6 After issuance of Intimation Letter or Grid Connectivity, if the 1st applicant company/firm etc. is fully acquired by any other company/firm etc, then other company/firm etc. shall be the 2nd and new applicant who shall be responsible to seek permission from STU towards utilization of the same Grid Connectivity. In

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such case, the 2nd applicant will have to submit to STU an application form for Grid Connectivity mentioned in Point No. 2 along with the documents in support of such acquisition of assets from the competent authorities.

4. GRANT OF GRID CONNECTIVITY

- 4.1 On receipt of the application, the STU shall ask the applicant and the concerned transmission licensee in whose are the project is being proposed to carryout joint survey and submit a Technical Feasibility Report towards possible schemes required for interconnection of the project with InSTS.
- 4.2 After receipt of the technical feasibility report, the STU shall undertake a Load Flow Study and finalize the tentative evacuation arrangement which is to be constructed by the applicant and point of connection to InSTS. After finalization of the evacuation arrangement and point of connection, STU shall issue an Intimation Letter to the applicant informing point of connection and technical feasibility for project interconnection to InSTS, which will be valid for ONE (1) YEAR from issuance date. The Intimation Letter format shall be as per **FORMAT: GC – 1**.
- 4.3 The intimation letter shall be issued to the applicant within 45 days from the date of application of Grid Connectivity. The timeline for issuance of Intimation Letter and/or Grid Connectivity for various Renewable Energy Projects shall be as per the forthcoming Renewable Energy Policy of Government of Maharashtra. If the applicant has made delay towards arranging joint site visit with STU representatives (for technical feasibility report), the days lapsed for such delay shall not be considered within the target days of 45 days for issuance of Intimation Letter and/or Grid Connectivity.
- 4.4 In order to assess preparedness of applicant making application for the connectivity to the ISTS, an applicant is required to submit along with its application, documents in support of having initiated specific actions for project preparatory activities in respect of matters mentioned in (i) to (v) below.

A. Site identification and land acquisition:

The applicant shall inform the total land required for the generation project and submit the copies of Index-II for land acquired and/or Land Lease Deed executed for 20 years or above.

In case of land to be acquired under the Land Acquisition Act 1894, the applicant shall submit copy of notification issued for such land under Section 4 of the Land Acquisition Act 1894, within 06 (SIX) months from the date of Intimation Letter. The applicant may also furnish documentary evidence in the form of certificate by concerned and competent revenue / registration authority for the acquisition / ownership / vesting of the land.

B. Environmental clearance for the power station:

The applicant shall have to submit the copy of the environmental clearance, received from the concerned administrative authority. In case, the clearance is

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not received, the applicant may submit the copy of latest correspondence which should be at least at the stage of final approval stage.

C. Forest Clearance (if applicable) for the land for the power station:

The applicant shall have to submit the copy of the forest clearance received from the concerned administrative authority for the land required for erection of EHV Sub-Station. In case forest land diversion is required for development of Wind or Solar Power Projects (for installation of Wind Turbine Generators or Solar PV Panels), the applicant may submit the copies of updated correspondence with competent authorities.

D. Fuel Arrangements:

Details on fuel arrangements shall have to be informed for the quantity of fuel required to generate power from the power station for the total installed capacity intended for connectivity.

E. Water linkage:

The applicant shall inform the status of approval from the concerned state irrigation department or any other relevant authority for the quantity of water required for the power station.

These evidences shall be supported by a sworn in affidavit by the Applicant as per the format given at **FORMAT: AFFIDAVIT – 1**.

- 4.5 Due to any reasons, if the grid connectivity for Power Project is not feasible, before rejecting the application for grid connectivity, such reasons shall be intimated to the applicant by STU. However, if the applicant fails to submit the required compliance and comments, if not found appropriate, the application shall be rejected. In case of any disputes, the same shall be represented before Hon. Commission.
- 4.6 After receipt of the applicable documents listed above in Point No. 4.3 (A) to (E), the Grid Connectivity (**FORMAT: GC – 2**) informing detailed Scope of works shall be issued to the applicant. The Validity of the Grid Connectivity Letter shall be as per the Table – 1. It is mandatory to the applicants to complete all the works related to commissioning of Evacuation Infrastructure within the time limits as specified in the Table – 1. In case the applicant fails to complete the evacuation arrangement within the specified time limits, they shall seek time limit extension for the Grid Connectivity. The procedure for time limit extension shall be as per Point No. 5 mentioned below.
- 4.7 In the Grid Connectivity Letter, the applicant shall be intimated to execute various agreements such as Connection Agreement (**ANNEXURE – 2**), Site Responsibility Schedule (**ANNEXURE – 3**) etc. with STU prior to the physical inter-connection to the InSTS. In case the connectivity is granted to the InSTS of an Intra-State transmission licensee other than the STU, a tripartite agreement shall be signed between the applicant, the State Transmission Utility and such Intra-State transmission licensee, in line with the provisions of the Regulations. After signing of the Agreement, Nodal Agency will provide a copy of the same to concerned SLDC. The applicant shall submit the above mentioned documents to STU, minimum two (02) months before synchronizing the project.

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Table - 1

Sr No.	Capacity of Project	Voltage level for Inter-connection	Period for work completion *	Remarks
1	Up to 50 MW	At 33 kV level of EHV Sub-Station	12 months	For Wind/Solar and Small Hydro Projects
2	Up to 50 MW	At EHV level i.e. 100 kV or above	18 months	For all Renewable Energy Projects
3	From 51 MW to 100 MW	At EHV level i.e. 100 kV or above	18 months	For all type of power projects
4	From 101 MW to 300 MW	At 220 kV level or above	24 months	For all type of power projects
5	From 301 MW and above	At 400 kV level or above	24 months	For all type of power projects
6			30 months	For projects up to capacity with single unit up to 500 MW
7			36 months	For bulk power projects with multiple units above 500 MW.

Note: (*) Time limit shall be from the date of issue of Grid Connectivity Letter by STU.

- 4.8 Before synchronizing the power project, the applicant shall submit the following documents to STU within 10 days before synchronization of the project. After scrutinizing the documents, STU shall issue Final Grid Connectivity to the applicant in **FORMAT: GC – 3**. After receipt of the Final Grid Connectivity, the applicant shall seek permission for Synchronization from concerned SLDC.

The documents to be submitted for availing Final Grid Connectivity are:

- Application for Connection (as per **FORMAT: ANNEXURE – 1**)
- Connection Agreement executed with STU and Applicant (as per **FORMAT: ANNEXURE-2**)
- Site Responsibility Schedule executed with STU and Applicant (as per **FORMAT: ANNEXURE – 3**)
- Copy of SLD, Layout of the Switchyard of Power Station approved by STU.
- Copy of metering arrangement scheme and synchronization scheme approved by STU. (Not required for Wind Power Projects)
- Work Completion Report of dedicated transmission system from STU (as per **FORMAT: ANNEXURE – 4**).
- Certificate from concerned SLDC towards visibility of Generation for Real Time monitoring as per SLDC's requirements.

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- h. Agreement or consent from concerned Distribution Utility towards drawal of power required for Start-up of generation and Auxiliary consumption. In case, the applicant is not intended to draw power from grid and arranging power supply at its own at the power station, an affidavit in this regards (**FORMAT: AFFIDAVIT – 3**) shall be furnished.

5. TIME LIMIT EXTENSION FOR GRID CONNECTIVITY

- 5.1 If the Evacuation Infrastructure is not completed within the specified time limit, the application shall have to apply for time extension to STU before 30 (Thirty) days from date of validity date. The application shall be in the **FORMAT: A – 4**.
- 5.2 Only two time extensions of SIX months each shall be granted for any power project. The non-refundable processing fee shall be of Rs. 1.0/2.0 Lakhs per project for the 1st /2nd time extensions. The procedure for application and payment of processing fee shall be as per Point No. 2, above.
- 5.3 **All the fees and penalties received towards the grant of time extension shall be considered as non-tariff income of the nodal agency, i.e. STU (MSETCL).**
- 5.4 To assess the progress of the project, the applicant shall have to submit the following documents:
 - a. **Drawing Approvals:**
Applicant shall submit the copies of all the approvals received from the STU towards SLD, Layout, Tower Schedule, EHV line Profile etc.
 - b. **Supply/Work Orders:**
Applicant shall have to submit the copies of Supply orders towards supply of various Sub-Station and EHV line material and the copies of Work Orders placed towards erection of EHV Sub-Station and lines.
 - c. **Work Progress Report:**
A Work Progress Report from the STU field officers certifying the current physical progress towards construction of the evacuation infrastructure shall have to be submitted by the applicant.
 - d. **LOI towards supply of Plant Machineries:**
Applicant shall submit the copies of LOI placed towards supply of Generator, Turbine and Generating Transformer required for their Power Project. In case of Wind/Solar Power Projects, the applicant shall submit the copies of LOI placed towards supply of Wind Turbine Generators (WTGs')/Solar PV Modules & Invertors.
 - e. Document or agreement imparting the reason for delay in commissioning schedule. This document will be considered only if found genuine by the nodal agency.

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- f. Any other document supporting progress of the project. This Document will be considered only if found genuine by the nodal agency.
 - g. Applicant shall submit the action plan and time schedule for completion of the project.
- 5.5 For the progressive and/or proposed projects with grid connectivity prior to this procedure, if time extension sought for more than two times, the applicant shall have to pay a processing fee of Rs.1.0 Lakh per no. of extension along with penalty towards non-completion of the project within time limit of similar amount. All such time extensions if found genuine shall be considered only for SIX months from the validity date. However, it is mandatory to complete the project within this extended time frame.

For example: if the applicant seeks 3rd time extension, then the processing fee would be Rs.3.0 Lakhs and penalty of Rs.3.0 Lakhs. If the progress is genuine, then the application shall be considered and time extension for SIX months will be granted.
- 5.6 After scrutinizing the documents, the application of time extension shall be processed and if found genuine, the time extension shall be issued in **FORMAT: E – 1**. Applicant shall complete all the works and commission the project within this extended time frame.
- 5.7 In-spite of availing two extensions, if the project is not completed, the grid connectivity for the project shall be considered as cancelled. In such case, if required, the applicant will have to apply afresh for Grid Connectivity which shall be processed as per the provisions of the Regulations and the applicant shall not any precedence over other interested applicants seeking grid connectivity at same location.

6. CONSTRUCTION OF DEDICATED TRANSMISSION SYSTEM

- 6.1 The dedicated transmission system required for interconnection of the power station with the InSTS shall be constructed by the applicant which shall be owned, operated and maintained by the applicant. No refund towards development of such infrastructure shall be made by the STU. However, in case of RE Power Projects, which are developed under the RE Policy of Govt. of Maharashtra, the refund of infrastructure shall be considered as per the RE Policy of Govt. of Maharashtra.
- 6.2 All the dedicated transmission system shall be developed as per the Technical Standards of STU and under the supervision of STU.
- 6.3 The time limit for completion of the dedicated transmission system shall be as per Point No. 5.

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7. INTERCHANGE OF POWER WITH InSTS

- 7.1 The grant of connectivity shall not entitle an applicant to interchange any power with the grid unless it obtains long-term access, medium-term open access or short-term open access.
- 7.2 A generating station, including a captive generating plant which has been granted connectivity to the Intra-State Transmission Grid shall be allowed to undertake testing including full load test by injecting its infirm power into the grid before being put into commercial operation, even before availing any type of Open Access, after obtaining permission of the concerned State Load Dispatch Centre, which shall keep grid security in view while granting such permission. The charges for testing and Tariff of this infirm power from a generating station or a unit thereof, other than those based on non-conventional energy sources, the Tariff of which is determined by the Commission, will be governed by the MERC (Multi Year Tariff) Regulations, 2011 as amended from time to time. The power injected into the grid from other generating stations as a result of such test shall be charged either at the rates for imbalance determined by the Commission under the Intra-State ABT mechanism or at average variable charge of long term power purchase as approved by the Commission in the prevailing Tariff Order of the Distribution Licensee, to which the generator intends to sell, whichever is lower.
- 7.3 Before injecting infirm power, the generating station including captive generating plant, shall have an agreement with a distribution Licensee to supply infirm power. In case the generator does not have an agreement for sale of power with any Licensee then the charges for infirm power injected into the grid shall be reduced to zero and this infirm power shall be credited to the Distribution Licensees under the provisions of Intra-State ABT mechanism operating in the state.
- 7.4 Any unit of a generating station or a generating plant, including a captive generating plant which has been granted connectivity to the grid shall be allowed to inject infirm power into the Grid during testing including full load test before its COD for a period not exceeding six months from the date of first synchronization after obtaining prior permission of the State Load Dispatch Centre and the Transmission Licensee.

8. GENERAL

- 8.1 All costs/expenses/charges associated with the application, including demand draft, Affidavits etc. shall be borne by the applicant.
- 8.2 The applicant shall abide by the provisions of the Electricity Act, 2003, the MERC Regulations and Indian Electricity Grid Code and MERC (State Grid Code) Regulation - 2006, as amended from time to time.
- 8.3 This procedure aims at easy and pragmatic disposal of applications made for Connectivity to InSTS. However, some teething problems may still be experienced.

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The various implications would be known only after practical experience is gained by way of implementing these procedures. In order to resolve the same, this procedure shall be reviewed or revised by the Nodal agency with prior approval of MERC.

- 8.4 All complaints regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to grant of connectivity to ISTS shall be directed to MERC for redressal.

APPLICATIONS AND FORMATS

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FORMAT: A – 1

APPLICATION FOR GRANT OF GRID CONNECTIVITY TO InSTS

1	Name of the applicant applying for Grid Connectivity on intra-state transmission system	
2	Address for correspondence	
3	Details of Authorized Contact Person	
	Prime Contact Person	
	Designation	
	Phone Number	
	Mobile Number	
	Fax Number	
	E-Mail ID	
	Alternate Contact Person	
	Designation	
	Phone Number	
	Mobile Number	
	Fax Number	
	E-Mail ID	
4	Grid Connectivity required for Generation / Bulk Power Consumer	
5	Type of Generation (Conventional / Non-Conventional)	
7	Type of Load (Industrial / Commercial etc.)	
9	Total Project Capacity (MW)	
10	Details of power transfer requirement (Injection for Generation/Drawal for Load)	
	Quantum of power to be injected / drawn(MW)	
11	Name(s) of Transmission Licensee(s) whose transmission network will be used for Grid Connectivity on intra-state transmission system	
12	Details of injection point in intra-state transmission System.	In case of Generation Project
	Name of injecting utility/party/generating station	
	Generation Voltage/Injection Voltage Level	

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	Point of injection (name of EHV Station of Transmission Licensee)	
	If power is injected at other than Transmission Licensee's S/S, name and owner of S/S for O&M.	
	Whether power is proposed to be injected at MSETCL's existing or proposed network.	Existing / Proposed
	Single line diagram at Injecting Point	
13	Details of point of drawl from intra-state transmission system.	In case of Bulk Power Consumers
	Name of utility/party/drawl station	
	Drawal Point Voltage Level	
	Point of drawal (name of EHV Station of Transmission Licensee)	
	Whether power is proposed to be drawn from MSETCL's existing or proposed network.	Existing / Proposed
	Single line diagram at Drawl Point	
14	Tentative details of PPAs/Contracts and MOU.	Intra-State / Inter-State
	For Power to be injected	
	Agreement with traders if any in above transaction	
15	Details of the Generation Project:	
	Name of the promoter	
	Total Project Capacity (MW)	
	Location of the plant (Village, Taluka & District)	
	Latitude	
	Longitude	
	No. of Units & Capacity of each unit (MW)	
	Unit wise Commissioning Schedule (Unit-1, Unit-2, etc)	
	Type of fuel	
	Specify the step-up generation Voltage 400kV or 220kV or any other voltage	
	Is it a captive Power Plant (Yes/No)	
	If Yes, details of documentary evidence enclosed.	

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16	Details of the Bulk Power Consumer Project:	
	Name of the promoter	
	Total Project Capacity (MW)	
	Location of the plant (Village, Taluka & District)	
	Specify the drawal Voltage level.	
	Reactive Power requirement of the Project (MVAR)	
17	Status of Project:	
	NOC from MEDA obtained in case of Biomass / Bagasse/Wind/Solar/ Small Hydro.	
	Total Land Required/Land in possession	
	Status of Fuel linkages (For Thermal & Gas Projects) along with documentary evidence.	
	Status of Water Supply (For Thermal & Hydro Projects) along with documentary evidence.	
	Status of Environmental Clearance along with documentary evidence.	
	Whether tentative route of evacuation lines passes through forest, bird sanctuaries etc.	
18	Processing Fee Transaction Details	
	Bank Draft for Application Processing Fee	
	Name of Bank	
	Demand Draft No. & Date	
	Amount in Rs.	
	Payable at Bank	
	If payment made through NEFT (enclose copy of receipt)	Receipt No: Date:

Note: Filling up of all the columns in the above form is mandatory and for any irrelevant column please specify as "Not Applicable".

It is hereby certified that the applicant unequivocally confirms to the terms and conditions and has fully understood the guidelines issued by STU for Grid Connectivity on intra-state transmission system. Further I undertake that:

- 1) I have not obtained or applied for any other grid connectivity for this plant from any other transmission licensee.

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- 2) This connectivity stands cancelled, in case I opt for another grid connectivity from any other transmission licensee.
- 3) This application and the grid connectivity obtained shall be governed by the MERC (Transmission Open Access) Regulation – 2016.

Authorized Signatory

Grid Connectivity

Applicant

Name:

Place:

Designation:

Date:

Seal:

On Non Judicial Stamp paper of Rs.100/-

AFFIDAVIT

In the matter of filing application to State Transmission Utility (Maharashtra State Electricity Transmission Company Limited), for grant of Grid Connectivity under MERC (Transmission Open Access) Regulations, 2016.

I.....(Name).....S/o Shri(Father's name)... working as (Post)..... in(name of the Company)....., having its registered office at (address of the company)....., do solemnly affirm and say as follows:

- 1) I am the (Post)..... of(Name of the Company)....., the representative in the above matter and am duly authorized to file the above application and to make this affidavit.
- 2) I submit that M/s.....(name of the company)..... is a registered company(Public Ltd/Pvt. Ltd.)..... Registered under Companies Act. Under the Article of Association of the Company and in accordance with the provisions of Electricity Act, 2003/relevant Regulation(s) of MERC, the company can file the enclosed application.
- 3) I submit that all the details given in enclosed Letter No....., dated..... for grant of Grid Connectivity along with necessary documents are true and correct and nothing material has been concealed thereof.

Place:
(Signature)
Date:

Name of the Applicant

(To be duly attested by Notary)

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On the letter head of STU

FORMAT: GC – 1

INTIMATION LETTER

To,
M/s. (Name of Applicant).....
Address:
.....

Kind Attn: Shri.(Name of Contact Person).....

Sub: Application for Grid Connectivity to MSETCL's Grid for MW based Power Project at Site:....., Tal....., Dist..... proposed by M/s.

Ref : 1. M/s. Application No., dtd., for Grid Connectivity.
2. Technical Feasibility Report No....., dtd., received from.....

Dear Sir,

This has with reference to your application cited u/r. 1, for Grid Connectivity for your proposed MW based Power Project at Site:, Tal., Dist.

Vide letter u/r. 2, the (Name of concerned transmission licensee)..... has submitted technical feasibility report for the said project.

Accordingly, this office has processed your application for grid connectivity cited u/r. 1 above, and the Grid Connectivity for your MW based Power Project at Site: is technically feasible at MSETCL's/..... kV Sub-Station (*in case of LILO, Specify name of EHV line*) at kV level.

You are requested to submit the following documents to this office **within ONE YEAR from the date of this letter.**

Documents to be submitted within ONE YEAR for Grid Connectivity Permission:

- a. Copies of Index – II towards Land Acquisition for the project.
- b. Allotment of Fuel linkages.
- c. Allotment of Water Supply.
- d. Environmental Clearance.
- e. Forest Clearance.
- f. Agreement/MOU with Turbine/Boiler/WTG/Solar PV Modules/Invertor Manufacturers.
- g. Agreements/MOU with Investors.

After receipt of above documents, this office will issue Grid Connectivity for the said Power Project. The Grid Connectivity Letter shall include the detailed Scope of works for connecting to InSTS, various Agreements to be executed by the applicant and terms & Conditions.

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The intimation letter shall be governed by the Indian Electricity Act – 2003, Indian Electricity Grid Code, MERC (Transmission Open Access) Regulation – 2016 and MERC (State Grid Code) Regulation - 2006 and any time to time amendments to the same.

This letter will be valid for ONE year from the date of issue and it is mandatory on your part to submit the quarterly status report of your project. If you fail to submit the above mentioned documents on or before validity date, your application for grid connectivity cited u/r. 1 above, and this Intimation Letter shall stand cancelled. No further correspondence will be made in this regards by this office. In such case, you will have to apply afresh to this office and you will not have any precedence over the other interested Power Project Developers seeking Grid Connectivity at the same location. This may please be noted.

Thanking you.

Yours Faithfully,

**Chief Engineer
State Transmission Utility**

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On the letter head of STU

FORMAT: GC – 2

GRID CONNECTIVITY

M/s. (Name of Applicant).....

Address:

.....

Kind Attn: Shri.(Name of Contact Person).....

Sub: Grid Connectivity for MW based Power Project proposed by M/s.at

Site:....., Tal....., Dist..... to InSTS.

Ref : 1. M/s. Application No., dtd., for Grid Connectivity.

2. Technical Feasibility Report No....., dtd., received from.....

3. This Office's Intimation Letter No., dtd....., towards Grid Connectivity.

4. M/s. Letter No. dtd....., submitting documents and Affidavit.

Dear Sir,

With reference to above, vide letter u/r. 1, you have applied for Grid Connectivity to your MWbased Power Project proposed at Site:....., Tal:, Dist: The(Name of concerned Transmission Licensee)....., vide letter u/r. 2, has submitted the technical feasibility report for the said project. Based on the same, this office, vide letter u/r. 3, has intimated you to submit the documents required to assess the progress of your project.

Now, vide letter u/r. 4, you have submitted the following documents & requested to issue Grid Connectivity with scope of works for your MW Power Project.

List of Documents submitted by you along with application are as follows...

- a.
- b.
- c.
- d.

Hence, the Grid Connectivity for your MW based Power Project at Site:, Taluka:, District: is hereby granted at MSETCL's/..... kV ...(Name of Sub-Station or EHV line to be made LILO)..... at kV level, subject to compliance of Point No. 1 to 7, along with completion of the scope of works mentioned at Sr. No. 5.

The Grid Connectivity shall be governed by the:

- i. Indian Electricity Act. 2003.
- ii. Indian Electricity Grid Code December 2005
- iii. MERC (Transmission Open Access) Regulation – 2016
- iv. MERC (State Grid Code) Regulations 2006 - Part B, Part C, Part D and Part F.
- v. Amendments in regulations if any, issued by the appropriate commission at any time.

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Before synchronization, you will have to submit the following documents so as to enable this office to issue Final Grid Connectivity for the said project.

Documents to be submitted before synchronization of the project:

1. Application for connection to Intra-State Transmission System (as per Annexure – 2 of connection application, Available on Website : www.maharashtrastu.com)
2. Work Completion Report (alongwith ABT Meter & SCADA installation), as per the Scope of Works mentioned at Sr. No. 5.
3. Connection Agreement to be executed between you and Concerned Transmission Licensee – (as per Clause 14 of Grid Code).
4. Approved Copy of Drawings for Synchronization Scheme.
5. For connecting the said MW Power Project at Site: you will have to complete following works at your cost (as per Section 10 of E A 2003)..
 - a.
 - b.
 - c. Suitable ABT Metering Arrangements capable of measuring Four Quadrant Reactive Energy, approved by the Chief Engineer (P & D), Prakashganga, MSETCL, Mumbai.
 - d. Visibility of generation to SLDC for real time monitoring through SCADA/RTU-DC etc. as per SLDC's requirement
6. Certificate from the SLDC for completion of visibility of generation.
7. Appropriate agreements with the concerned Distribution licensee in the event of drawl of power by you from the concerned Distribution licensee through EHV network.

The Grid Connectivity for the said project shall be subject to the following terms and conditions:

- a. This Grid Connectivity is only for establishment of connection with the grid and for test synchronization for the generation. The evacuation shall be permitted only after availing Open Access by you and/or your Investors.
- b. Power evacuation depends on prevailing system conditions and for non-evacuation of power by whatsoever may be the reason, MSETCL shall not be responsible.
- c. In case of any contingencies, you and/or your investors will have to back down the generation as per system conditions and MSETCL will not be responsible for the said generation loss.
- d. This letter will be valid for ONE year from the date of issue. On receipt of documents specified above alongwith the completion of the Scope of Works mentioned at Sr. No. 5, on or before validity date, the Chief Engineer (STU) shall issue Final Permission for Grid Connectivity.
- e. In case, you are not able to complete the Scope of Works within the validity date, you will have to apply to this office, before 30 (Thirty) Days from the validity date, along with the reasons & documentary proofs supporting the progress of

Procedure for Grant of Grid Connectivity to InSTS

your said solar power project. Otherwise, it shall be treated that you are not interested in execution of the project and the Grid Connectivity shall be treated as cancelled. In such case, no further correspondence shall be made in this regards and you will have apply afresh to this office for Grid Connectivity and you will not have any precedence over other interested developers seeking Grid Connectivity.

- f. It is mandatory on your part to submit the quarterly status report of your project.

Thanking you.

Yours Faithfully,

Chief Engineer
State Transmission Utility

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On the letter head of STU

FORMAT: GC – 3

FINAL GRID CONNECTIVITY

M/s. (Name of Applicant).....

Address:

.....

Kind Attn: Shri.(Name of Contact Person).....

Sub: Final Grid Connectivity for MW based Power Project proposed by
M/s.at Site:....., Tal:....., Dist:..... to InSTS.

- Ref : 1. M/s. Application No., dtd., for Grid Connectivity.
2. Technical Feasibility Report No....., dtd., received
from.....
3. This Office's Intimation Letter No., dtd....., towards Grid Connectivity.
4. M/s. Letter No. dtd....., submitting documents and Affidavit.
5. This Office's Grid Connectivity Letter No., dtd.....
6. M/s. Letter No. dtd....., requesting Final Grid Connectivity.

Dear Sir,

With reference to above, vide letter u/r. 1, you have applied for Grid Connectivity to your MWbased Power Project proposed at Site:....., Tal:, Dist: Considering various letters cited u/r. 2 to 4, this Office, vide letter u/r. 5, has issued Grid Connectivity for your MW based Power Project proposed at Site:....., Taluka:, District:

The said project is proposed to be connected to ...(Name of Transmission Licensee's Sub-Station or Line)... atkV level.

Now, vide letter u/r. 6, you have submitted the documents listed below and requested to grant Final Grid Connectivity for the said project. The documents submitted by you are:

- a. Application for connection (Annexure – 1).
- b. Connection Agreement.
- c. Site Responsibility Schedule along with Equipment details.
- d. Work Completion Report along with ABT meters and SCADA.
- e. Approved copy of SLD and Layout.
- f. Approved Synchronization Scheme.
- g. Certificate for SLDC for commissioning of works towards visibility of generation.
- h. Agreement with concerned Distribution Licensee / Affidavit towards non-drawal of power from Grid.

Hence, Grid Connectivity for your MW based Power Project proposed at Site:, Taluka:, District: is hereby granted at kV level of(Name of Sub-Station or Line of Transmission Licensee)....

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Further, you are requested to submit one copy of the above mentioned documents to the Chief Engineer, State Load Dispatch Centre, Thane – Belapur Road, Airoli, Post – Airoli, Navi Mumbai – 400 708, for synchronizing permission to the said project.

Thanking you.

Yours Faithfully,

**Chief Engineer
State Transmission Utility**

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FORMAT: A – 4

APPLICATION FORM FOR GRANT OF TIME EXTENSION FOR GRID CONNECTIVITY

1	Name of the applicant	
2	Address for correspondence	
3	Details of Wind Power Project:	
	Name of the Site, Taluka & District of the Project	
	Capacity of the Project (MW)	
	STU's Intimation Letter Number and Date	
	Validity Date (as per STU's Intimation Letter / Time Extension Letter)	
4	Progress as on Date (please specify date)	
5	Detailed Progress of the Project	(Please tick in the appropriate box)
a.	Private Land Acquired (in Hectres, Attach Index-II)	Acquired <input type="checkbox"/> In Progress <input type="checkbox"/> Enclosed <input type="checkbox"/>
b.	Sub-Station land acquisition (attach copies of Index-II, etc.)	Acquired <input type="checkbox"/> In Progress <input type="checkbox"/> Enclosed <input type="checkbox"/>
c.	Forest Clearance for land diversion (attach copies)	Received <input type="checkbox"/> In Approval Stage <input type="checkbox"/> Enclosed <input type="checkbox"/>
	If in approval stage, please specify:	
	Date of submission of application to Forest Authorities	
	Present Status of application	
	Expected date of approval from Forest Authorities	
d.	NOC from Geology and Mining Department (attach copies)	Received <input type="checkbox"/> In Approval Stage <input type="checkbox"/> Enclosed <input type="checkbox"/>
	If in approval stage, please specify:	
	Date of submission of application to Geology & Mining Authorities	
	Present Status of application	
	Expected date of approval from Geology & Mining Authorities	
e.	Line Route, Tower Schedule approval from MSETCL (attach copies)	Approved <input type="checkbox"/> In Approval Stage <input type="checkbox"/> Not submitted to MSETCL <input type="checkbox"/>
	If not submitted, please specify the reason	

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f.	LOI for supply of S/s. equipments (attach copies)	Placed <input type="checkbox"/> Yet to be placed <input type="checkbox"/> Enclosed <input type="checkbox"/>
	If not placed, please specify the expected date for placing LOI	
g.	LOI for supply for transmission line material (attach copies)	Placed <input type="checkbox"/> Yet to be placed <input type="checkbox"/> Enclosed <input type="checkbox"/>
	If not placed, please specify the expected date for placing LOI	
h.	Execution of MOU/Agreement with Turbine/Boiler/WTG/Solar PV Modules manufacturers (attach copies)	Executed with M/s. _____ on dtd. ____ / ____ / ____.
i.	Execution of MOU/Agreement with Investor (attach copies)	Executed with M/s. _____ on dtd. ____ / ____ / ____.
j.	Progress Report from MSETCL's Field Office (Attach copy)	
6	Proposed Date of Completion	
7	No. of Time Extensions received from STU	ONE <input type="checkbox"/> TWO <input type="checkbox"/> If more than TWO, please specify: _____
8	Reason for seeking time extension (Please specify the reason for delay in works)	Demand Draft <input type="checkbox"/> NEFT <input type="checkbox"/>
9	Processing Fee Payment Details	
	Processing Fee Amount	Rs. _____
	Demand Draft No. and Date	
	Name of Bank & Branch	
	If payment is made through NEFT, please attach Receipt copy.	Receipt No.: _____ Date: _____

Note: Filling up of all the columns in the above form are mandatory and for any irrelevant column please specify as "Not Applicable".

It is hereby certified that the applicant unequivocally confirms to the terms and conditions and has fully understood the guidelines issued by STU for Time Extension of Grid Connectivity on intra-state transmission system. I have verified the above mentioned information & documents attached and are in order. Further, if time extension is granted, I undertake that:

- 1) I shall complete all the works within extended time frame.
- 2) I shall not request for any further time extension for this Wind Power Project.
- 3) I shall submit the quarterly Progress Report to the Chief Engineer (STU).

Encl: Documents as above.

Authorized Signatory

Place: _____ Name: _____
Date: _____ Designation: _____
Seal: _____