

DETAILED PROCEDURE FOR “GRANT OF CONNECTIVITY TO PROJECTS BASED ON RENEWABLE SOURCES TO INTER-STATE TRANSMISSION SYSTEM”

1. This Procedure is being issued in accordance with Regulation 27 of the Central Electricity Regulatory Commission (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009 (hereinafter referred to as “Connectivity Regulations”).

2. Applicability

2.1. This Procedure shall be applicable to the following:

- i) Generation projects based on renewable energy sources, including hybrid projects based on renewables and storage, Solar Power Park Developer, Wind Power Park Developer, Wind-Solar Power Park Developer and Power park developer based on hybrid of renewable source(s) and storage:
- ii) CTU, Central Government designated agencies viz SECI etc., MNRE, RLDCs, SLDCs, STUs and concerned distribution companies.

2.2. This Procedure shall come into effect from the date it is notified by the Commission except for the following categories for which the date shall be separately notified by the Commission:

- i) Wind Power Park Developer authorized by Central Government or State Government
- ii) Wind-Solar Park developer authorized by Central Government or State Government
- iii) Solar Park Developer authorized by State Government
- iv) Generation project or Power Park developer authorized by Central or State Government based on hybrid of renewable source (s) and storage.

2.3. Applications for Connectivity by Solar Power Park Developer, Wind Power Park Developer, Wind-Solar Power Park Developer, and Generation Projects based on renewable energy sources including hybrid projects based on renewables and storage shall be processed in two stages:

(a) Stage-I Connectivity

(b) Stage-II Connectivity

- 2.4 An entity may apply for Stage-I and Stage-II Connectivity separately or simultaneously. The application for Stage-II may be made along with or after Stage-I connectivity application.
3. Communications with CTU wherever required, under this Procedure shall be done at the following address:

Chief Operating Officer (CTU-Planning)
Power Grid Corporation of India Limited
Saudamini, Plot No.-2, Sector-29
Gurugram – 122 001, Haryana, India

4. Eligibility:

4.1. Application for grant of Stage-I Connectivity can be made by:

- (i) An entity intending to set-up generation projects based on renewable energy sources including hybrid projects on renewables and storage for a capacity of 50 MW or above;
- (ii) An entity acting as a Lead Generator on behalf of the constituting entities intending to set-up generation projects based on renewable energy sources including hybrid projects on renewables and storage and seeking connection from CTU at a single connection point, individually having less than 50 MW installed capacity but collectively having an aggregate installed capacity of 50 MW or above.
- (iii) Any company authorized by the Central or State Government as Solar Power Park Developer, Wind Power Park Developer or Wind-Solar Power Park Developer or hybrid Power Park developer based on hybrid of renewable source (s) and storage:

4.2. The generation capacity already connected to grid (Inter-State Transmission System or Intra-State Transmission System) or for which connectivity is already granted under the present Regulations, cannot apply for additional connectivity for the same project capacity.

4.3. In the event of a proposal to augment the capacity, a fresh application for additional capacity shall be submitted as per the provisions of this Procedure.

- 4.4. The Applicants who have been granted Connectivity to ISTS for the Generation projects based on particular renewable energy source(s) may change the generation project to be based on another renewable energy source(s) in part or full, under intimation to CTU. In such cases CTU shall incorporate the necessary change in connection agreement.

5. Processing of Applications

- 5.1. An entity or company who has been granted Connectivity or Connectivity and LTA prior to issue of this Procedure for setting up project(s) / park based on renewable energy sources shall be treated as under after notification of this Procedure:

Sl. No.	Present Status	Status upon notification of this Procedure	Remarks
1	Solar Power Park Developer authorized by Central Government where its transmission system is under implementation	Stage-II Connectivity	Deemed grantee of Stage-II Connectivity
2	Applicants who have been granted Connectivity and have signed the bay implementation agreement and have paid the initial advance as per the agreement	Stage-II Connectivity subject to fulfillment of conditions in Clause 9.2	Deemed grantee of Stage-II Connectivity to the extent of Connectivity applied. The documents are required to be submitted within 9 months of issue of this Procedure.
3	Applicants who have been granted Connectivity and are yet to sign the bay implementation agreement	Stage-I Connectivity	Deemed grantee of Stage-I Connectivity
4	Applicants whose cases have been decided for grant of Connectivity in the meeting of the constituents and intimation thereof has not been issued	Intimation shall be issued for grant of Stage-I Connectivity within one week of issue of this Procedure	The applicant shall submit the required documents for Stage-I Connectivity within 1 month of issue of this Procedure.
5	All the other pending applications for grant of Connectivity.	Application shall be processed for grant of Stage-I Connectivity within 15 days of the	The applicant shall submit the required documents for Stage-I Connectivity within 1

		issue of this Procedure.	month of issue of this Procedure.
6	Applicant who has been granted Connectivity and LTA	The Applicant shall be deemed as Stage-I Connectivity grantee and shall be required to apply for Stage-II Connectivity as per the Procedure.	The applicant shall submit the required documents for Stage-I Connectivity within 1 month of issue of this Procedure.

5.2 Utilisation of Connectivity granted to the Parent Company by its Subsidiary company (ies)

5.2.1 The Connectivity granted to a company may be utilised by its wholly owned (100%) subsidiary company(ies) including SPVs. In such cases, the parent company cannot sell its shareholding in the subsidiary company (ies) before the lock-in period of one year after the commencement of supply of power from such subsidiary.

In case of more than one wholly owned (100%) subsidiary of the same company, the lock-in period of one year shall apply from commencement of supply of power from the last such subsidiary. An illustration is given below:

“A company is granted Connectivity for 1000 MW and it wins a bid for 250 MW. It forms five wholly owned (100%) subsidiaries of 50 MW each. In such a case lock-in period shall be 1 year from commencement of supply from last subsidiary (i.e. subsidiary which is commissioned last) out of this 250 MW.”

5.2.2 In the cases covered under clause 5.2.1, the parent company will act as lead generator and undertake all operational and commercial responsibilities for the renewable energy generating station(s) in following the provisions of the Indian Electricity Grid Code and other regulations of the Commission, related to grid security, scheduling and dispatch, collection and payment/adjustment of Transmission charges, deviation charges, congestion and other charges etc. The consortium agreement amongst lead generator and other generators shall be as per FORMAT – CON – LGN.

5.2.3 A parent company can exit only if, one of the subsidiaries is willing to take over as lead generator and is responsible for all activities stated above.

5.2.4 Except as provided in clauses 5.2.1 to 5.2.3, connectivity granted to an entity shall not be transferred or assigned to any other entity.

5.3 Scope of bays for dedicated transmission line

5.3.1 For the connectivity system, the dedicated transmission line including line bays at generation pooling station shall be under the scope of the applicant and the terminal bays at the ISTS sub-station shall be under the scope of transmission licensee owning the ISTS sub-station subject to compliance of relevant provision of tariff policy.

5.3.2 Wind power developers who have emerged successful in the bidding conducted by Central/State Government designated agency, before coming into force of this Procedure, shall have the option to implement the bays associated with their dedicated lines at the ISTS sub-station by themselves or through the transmission licensee owning the sub-station subject to compliance of relevant provisions of tariff policy. The transmission licensee and the project developer shall endeavour to match the implementation of bays with that of associated dedicated transmission line.

6. Application for Stage-I Connectivity

6.1 Applications for Grant of Connectivity to ISTS shall be made online as per the application form [FORMAT-RCON-I] available at <https://openaccess.powergrid.in>.

6.2 Documents to be submitted along with the online Application:

- (i) Online Application bearing digital signature of the applicant.
- (ii) Scanned copy of notarized affidavit as per FORMAT-RCON-A for each application.
- (iii) Bank generated UTR Number as proof of payment of Application Fee through NEFT/RTGS/IMPS. The Application Fee for 'Stage-I Connectivity' shall be the same as the Application Fee for 'Connectivity' as per the extant Connectivity Regulations.
- (iv) Scanned Copy of the Board Resolution authorizing filing of application and designating a person for the same, where the Applicant is a company;

- (v) Scanned Copy of authorization certificate issued by the Central or State Government to Wind or Solar or Wind-Solar Power Park Developers, as may be applicable.
- 6.3 The applications complete in all respects, received online shall have a time and date stamp. Further, such applications received by 2400 hrs. of the last day of the month shall be deemed to have been received during the month and shall be processed after the end of the month except as specifically provided otherwise at Clause 6.5 of this Procedure.
- 6.4 Upon submission of the online application, auto-generated acknowledgement for receipt of application shall be issued by the nodal agency.
- 6.5 After scrutiny, nodal agency shall intimate the deficiencies in the application, if any, to the applicant within one week of receipt of application. The applicant shall rectify the deficiency within one week thereafter, failing which the application shall be closed and 20% of the application fees shall be forfeited and balance shall be refunded. If the rectified application is received from the applicant after 2400 hrs of the last day of the month in which application is made, application shall be deemed to have been made in subsequent month and shall be processed accordingly.
- 6.6 The Stage-I Connectivity grantees who fail to apply for Stage-II Connectivity within 24 months from grant of Stage-I Connectivity shall cease to be Stage-I grantee and their Application fees shall be forfeited.
- 6.7 Deemed Stage-I Connectivity grantees shall apply for Stage-II connectivity within 24 months from the date of notification of this Procedure failing which they shall cease to be Stage-I grantee and their Application fees shall be forfeited.
- 6.8 If entire or part of capacity granted under Stage-I is not utilized for Stage-II Connectivity, such unutilized capacity shall be cancelled under the timeframe provided at Clause 6.6 and 6.7 above and their application fees shall be forfeited.

7. Grant of Stage-I Connectivity

- 7.1 Upon receipt of the Connectivity application, CTU shall carry out necessary study for grant of connectivity in the available margin in the nearest existing ISTS sub-stations or in new sub-stations under implementation/ planning stage.
- 7.2 New sub-stations for harnessing renewable generation potential shall be planned by CTU in consultation with CEA, and Ministry of New and Renewable Energy (MNRE) or its designated agency/authority / nodal officer. CTU shall regularly interact with MNRE or its designated agency / authority / nodal officer in this regard. The sub-station plant shall be implemented in terms of the tariff policy.

- 7.3 CTU shall grant Stage-I Connectivity by indicating two locations- one Primary and other alternate location- within 60 days of the last date of the month in which the application was received.
- 7.4 Grant of Stage-I Connectivity shall not create any right in favour of the grantee on ISTS infrastructure including bays.
- 7.5 Grant of Stage-I Connectivity shall not create any vested right in favour of any grantee in any particular location. The grantee shall be allocated bay in either primary or indicated alternate location which shall be specified at the time of grant of Stage-II Connectivity based on the then availability of bay.
- 7.6 CTU shall indicate to the Connectivity grantee, the Voltage level for the purpose of Connectivity of the Dedicated Transmission Line to the ISTS line bay.
- 7.7 Unless otherwise specified at the time of grant of Stage-I Connectivity, the power carrying capacity of the Dedicated Transmission Line shall be as below:

Table1: Capacity of the Dedicated Transmission line

Sl. No.	Voltage Level	Minimum Capacity of the Dedicated Transmission Line (per circuit)
1	132kV *	80MW
2	220kV / 230kV	300MW
3	400kV	900 MW

7.1.

* Note: For North Eastern Region only.

- 7.8 The Connectivity granted under this Procedure can also be utilized for intra State sale of power.
- 7.9 CTU shall display the updated status of allocation of bays at the existing or the proposed pooling sub-stations (Primary as well as alternate location) on its website on weekly basis.

8. Progress Monitoring after grant of Stage-I Connectivity

- 8.1 The Stage-I Connectivity grantees shall update the quarterly progress of development of their associated transmission infrastructures and generation

projects for the milestones covered in the FORMAT-RCON-I-M (available Online on CTU Website) by 30th day of June and 31st day of December of each year.

8.2 Progress on the milestones listed in the FORMAT-RCON-I-M shall be used as input for implementation of the planned ISTS system as well as for planning new augmentation.

8.3 CTU shall update the progress of associated ISTS transmission system required for evacuation of power from the renewable projects, on its website by the last day of each quarter.

9. Application for Stage-II Connectivity

9.1 Applications for Grant of stage-II Connectivity to ISTS shall be made online as per the application form [FORMAT-RCON-II] available at <https://openaccess.powergrid.in>.

9.2 Eligibility for Stage-II Connectivity

Any of the following shall be eligible for grant of Stage-II Connectivity:

9.2.1 An entity which has been selected through the tariff based competitive bidding carried out by the agency designated by the Central Government or the State Government for development of renewable generation projects including hybrid projects and is either a grantee of Stage-I connectivity or has applied for Stage-I and Stage-II Connectivity simultaneously. Such entity shall be required to submit letter of award issued by designated agency for development of the renewable generation project including hybrid projects.

9.2.2 An entity who is a grantee of Stage-I Connectivity or who has applied for grant of Stage-I and Stage-II Connectivity simultaneously, and is not covered under Clause 9.2.1 above, and having achieved the following milestones:

- (i) Ownership or lease rights or land use rights for 50% of the land required for the capacity of Stage-II connectivity; and
- (ii) Achievement of financial closure, (with copy of sanction letter)

or

Release of at least 10% funds towards generation project execution supported by Auditor's certificate regarding release of such funds through equity.

Note: In case Stage-I Connectivity is granted to a parent company and it is eligible for grant of Stage-II Connectivity as per Clause 9.2 above for execution of the generation projects through its 100% owned SPV / 100% owned Subsidiary, the parent company will apply for Stage-II Connectivity for such capacity for which it is eligible. An illustrative example is given below:

- a) Suppose Company “A” is granted Stage-I Connectivity for 1000 MW. Its 100% owned subsidiary “B” wins the bid (as identified under this Procedure) for 300 MW and attains eligibility for grant of Stage-II Connectivity. In that case “A” will apply for Stage-II Connectivity for “B” for 300 MW which shall be considered as per this Procedure.
- b) In another case, suppose Company “A” is granted Stage-I Connectivity for 1000 MW. Its 100% owned subsidiary “B” attains eligibility for grant of Stage-II Connectivity for 300 MW under Clauses 9.2.2 & 9.3.2. In that case “A” will apply for Stage-II Connectivity for “B” for 300 MW along with necessary documents and shall be considered for grant as per this Procedure.

9.3 Conditions to be met by Stage-II Connectivity Grantees

9.3.1 After grant of Stage II connectivity, the grantee covered under Clause 9.2.1 shall have to achieve the following milestones in accordance with bidding documents and submit the proof to CTU within a week of achieving the milestone(s):

- (i) Ownership or lease rights or land use rights of the land required as per bidding documents for the capacity of Stage-II connectivity.
- (ii) Financial closure within the time stipulated in the PPA. Sanction letter from financial institution to be submitted as proof of financial closure.
- (iii) Proof of release of at least 10% funds towards generation project execution within three months from the date of financial closure supported by Auditor’s certificate regarding release of such funds through equity.

9.3.2 After grant of Stage II connectivity, the grantee covered under Clause 9.2.2 shall have to achieve the following milestones and submit the proof to CTU within nine months from date of grant of Stage-II Connectivity:

- (i) In case of an entity who has submitted the proof of release of at least 10% funds shall submit documents regarding achievement of financial closure;

- (iii) In case of entity who has submitted documents regarding achievement of financial closures shall submit the proof of release of at least 10% funds.

9.3.3 In the event of failure to achieve above milestones as listed in Clause 9.3.1 or Clause 9.3.2 above, as applicable, Stage-II connectivity shall be revoked by the CTU under intimation to the grantee.

10. Processing of Applications and Grant of Stage-II Connectivity

- 10.1 The applications complete in all respects, received online shall have a time and date stamp. Further, such applications received by 2400 hrs. of the last day of the month shall be deemed to have been received during the month. All applications received by 2400 hrs. of the last day of the month shall be processed simultaneously.
- 10.2 Upon submission of the online application, auto-generated acknowledgement for receipt of application shall be issued by the nodal agency.
- 10.3 After scrutiny, nodal agency shall intimate the deficiencies in the application, if any, to the applicant within one week of receipt of application. The applicant shall rectify the deficiency within one week thereafter, failing which the application shall be closed. If the rectified application is received from the applicant after 2400 hrs. of the last day of the month in which application is made, such application shall be deemed to have been made in subsequent month and shall be processed accordingly.
- 10.4 The inter-se priority for grant of connectivity to applications received during same month shall be as per the date and time of receipt of the application complete in all respects after rectification of deficiencies, if any.
- 10.5 It may happen that an entity is eligible only for Stage-II Connectivity (subject to minimum of 50 MW) for part of the capacity covered under grant of Stage-I Connectivity. In such a case, grant of Stage-II Connectivity for part capacity shall be allowed.

Example: A company is granted Stage-I Connectivity for 1000 MW and it wins a bid for 250 MW and is eligible for grant of Stage-II Connectivity w.r.t other milestones. It is eligible to apply for grant of Stage-II Connectivity for such part capacity (250 MW) which shall be considered by CTU in terms of this Procedure.

- 10.6 CTU while processing the Stage-II Connectivity application may seek such clarifications, additional information, confirmation, as may be required, and may verify the development of the generator pooling station at the end of the applicant.
- 10.7 The applications shall be processed by 15th day of the following month reckoned from 2400 hrs. of the last day of the month in which the applications were received. Intimation for Grant of Stage-II Connectivity shall be issued within a period of 15 days thereafter.
- 10.8 The intimation for grant of Stage-II Connectivity shall indicate the following:
- (i) Name of the ISTS Sub-station where Stage-II Connectivity is granted.
 - (ii) In case of an existing sub-station, the bay number and Single Line Diagram shall be provided along with the intimation.
 - (iii) In case of a new or under construction sub-station, the confirmation of bay availability and the scheduled commissioning date of the sub-station shall be intimated as soon as the same is finalised. In such cases, the bay shall be allocated to the Connectivity grantee after finalization of the same by CTU with the implementing transmission licensee of the sub-station. CTU shall endeavor to ensure that sub-station is available in matching timeframe of the SCOD of the generation project.
- 10.9 The Stage-II Connectivity Grantee shall sign the Transmission Agreement for Connectivity and submit the Connectivity Bank Guarantee (Conn-BG) (as prescribed below) to CTU within 30 days of issue of intimation. No extension of time shall be granted and in case of failure to sign the Agreement and / or to furnish the requisite bank guarantee, Stage-II Connectivity shall be cancelled under intimation to the grantee.
- 10.10 Conn-BG shall be issued by a scheduled bank in favour of "Power Grid Corporation of India Ltd", as per the format given at FORMAT-RCON-BG, for the amount indicated below (as applicable):

Connectivity Quantum sought	Conn-BG
Upto80 MW (only in case of connectivity in NER)	Rs. 1,00,00,000 (Rs. One Crore)

Upto 300 MW	Rs. 5,00,00,000/- (Rs. five Crore)
For every incremental 300 MW	Rs. 5,00,00,000/- (Rs. five Crore)

Examples:

- (a) For 1850 MW, applicable Conn-BG shall be Rs. Thirty five Crore.
- (b) For 400 MW, applicable Conn-BG shall be Rs. Ten Crore.

10.11 Conn-BG shall be discharged six months after commencement of evacuation of power from the renewable project.

10.12 The Transmission Agreement for Connectivity shall inter-alia include:

- (i) Details of the allocation of bay at ISTS pooling station, if available.
- (ii) Scheduled commissioning date of the ISTS sub-station, if available.
- (iii) Scheduled commissioning date of the wind/solar/wind-solar generator/developer pooling station and Dedicated Transmission Line.
- (iv) Undertaking to make best efforts to fully utilize the bays for dedicated transmission infrastructure.

10.13 LTA Application by entities covered under this Procedure:

- (i) An entity shall be eligible to apply for LTA either with Stage-II Connectivity Application or after applying for Stage-II Connectivity Application. It shall be granted LTA along with grant of Stage-II Connectivity or after the grant of Stage-II Connectivity.
- (ii) All existing entities who have been granted LTA prior to notification of this Procedure shall be issued revised grant of LTA (inter-alia including date of start and point of connection) along with grant of Stage-II Connectivity.

11. Monitoring of progress of renewable projects after grant of Stage-II Connectivity

11.1 Stage-II Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at FORMAT-RCON-II-Mof by the last day of each quarter. Failure to update progress of the monitoring parameters shall be

considered as adverse progress and in such case CTU shall approach the Commission for appropriate directions. The payment received in terms of these provisions shall be adjusted in the POC pool.

11.2 The Stage-II Connectivity grantees shall be required to complete the dedicated transmission line(s) and pooling sub-station(s) within 24 months from the date of intimation of bay allocation at existing or new / under-construction ISTS sub-station. If the grantee fails to complete the dedicated transmission line within the stipulated period, the Conn-BG of the grantee shall be encashed and Stage-II connectivity shall be revoked. The payment received in terms of these provisions shall be adjusted in the POC pool.

11.3 The grantee shall furnish certificate issued by Electrical Inspectorate of CEA under Regulation 43 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 for the dedicated transmission line(s) and pooling sub-station(s) within 10 days of receipt of same from CEA.

12. Technical requirements of Dedicated Transmission Infrastructure

12.1. The developer shall follow the following Regulations:

- (i) Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2010 and the amendments thereof;
- (ii) Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010 and the amendments thereof;
- (iii) Central Electricity Authority (Safety requirements for construction, operation and maintenance of electrical plants and electric lines) Regulations 2011 and the amendments thereof;
- (iv) CEA Manual on Transmission Planning Criteria, 2013 and any other applicable regulations and the amendments thereof.
- (v) Central Electricity Authority (Technical Standard for Connectivity to the Grid) 2007 and amendments thereof

12.2 Additionally, the developer shall comply with the following with respect to dedicated transmission line and pooling station:

12.2.1 Dedicated Transmission Line (DTL):

- (i) The Dedicated Transmission Line shall be of voltage class matching with the ISTS sub-station Voltage at which it is to be connected after allocation of bay.
- (ii) The power transfer capability (MW) of the dedicated line from the pooling station of the renewable generating station to the ISTS sub-station shall not be less than the quantum as per Clause 7.7 of this Procedure.
- (iii) CTU in coordination with ISTS transmission licensee implementing the ISTS pooling station shall indicate the requirement of D/c or M/c towers near ISTS pooling station end including sharing of such towers, for optimization of space. The developers of renewable generation projects shall comply with the directions of CTU in this regard.
- (iv) Depending on the topology, CTU may plan the connectivity of renewable generation projects through loop in and loop out (LILO) of the Dedicated Transmission Line for injection of power.

12.2.2 Pooling Station of the renewable generation projects:

- (i) The planned capacity of the generator pooling station shall be not less than the capacity of the Dedicated Transmission Line required to be provided as per the grant of connectivity.
- (ii) The Dedicated Transmission Line shall be terminated at the high voltage side of the generator/developer's pooling station. The bus switching scheme should be in line with the requirements specified in the CEA Manual on Transmission Planning Criteria, 2013 as amended from time to time.
- (iii) The total capacity of the power transformers of the generator pooling station and the rating of associated equipment like Circuit Breaker, Current Transformer, Capacitive Voltage Transformer, bus duct etc. shall not be less than the planned capacity of the generator pooling station in case the entire power from the renewable generating station is being aggregated at the lower voltage side of the generator pooling station.

- (iv) The minimum aggregate evacuation capacity of the generator pooling station of renewable generation project shall not be less than 100 MVA (50 MVA for 132kV level in NER).
- (v) Short circuit rating and line bay rating of the generator pooling station at developer end may be finalized by project developer in consultation with CTU.
- (vi) The developer of renewable generation project shall comply with requirements specified at Clause 16.4 of CEA Manual on Transmission Planning Criteria 2013, with regard to requirement of reactive compensation at the pooling station.

13. Application for Additional Quantum (Enhancement) of Connectivity

- (i) Stage-I Connectivity grantee may apply for additional quantum of Connectivity, if required. The application shall be processed as per the Procedure laid down for Stage-I Connectivity.
- (ii) Stage-II Connectivity grantee may apply for additional quantum of the Connectivity, if required, as per FORMAT-RCON-E. CTU shall consider the capacity of dedicated transmission line while granting the enhancement of Connectivity.

14. Sharing of Connectivity and Dedicated Transmission Infrastructure

14.1 The developer of renewable generation project shall develop the dedicated transmission infrastructure of a definite power evacuation capacity irrespective of the quantum of connectivity applied for. In case the developer of renewable generation project is not able to fully utilize the dedicated transmission infrastructure, it may be required to share the same with other developer(s) of renewable generation project(s) with a view to ensuring optimum utilization of the transmission system.

14.2 Connectivity grantee, while remaining the lead generator and performing its responsibilities under IEGC and DSM Regulations may, in the interest of

optimum utilisation of its bay(s) and ISTS outlets, share the balance capacity of the Dedicated Transmission Infrastructure over and above the connectivity granted, with its wholly owned (100%) SPVs or other entities.

- 14.3 SPVs and other entities sharing connectivity of a grantee shall be entitled to seek access based on the connectivity of the said grantee.
- 14.4 The Connectivity grantee or its legal assignee may share its dedicated transmission infrastructure with any other entity for optimum utilization. In such cases, the Connectivity grantee shall be required to perform duties of “Lead Generator” in terms of Connectivity Regulations and shall enter into an Agreement with the other entity(ies) to undertake all operational and commercial responsibilities in following the provisions of the Indian Electricity Grid Code and other regulations of the Commission, such as grid security, metering, scheduling and dispatch, collection and payment or adjustment of transmission charges, deviation charges, congestion and other charges etc.
- 14.5 In such case, the other entity(ies) shall apply for Stage-II connectivity to the CTU and CTU may direct such Lead Generator to apply for enhancement of the Connectivity (as per FORMAT-RCON-E) after entering into an agreement with such entity(ies) taking into consideration the balance capacity of dedicated transmission infrastructure.
- 14.6 The application for enhancement shall be processed by CTU as per the Procedure for grant of Stage-II Connectivity.
- 14.7 The Stage-II Connectivity grantee may charge the entity(ies) sharing the dedicated transmission infrastructure, one time transmission charges not exceeding Rupees Seven Crores Fifty Lakhs for each 25 MW with annual escalation of 3.5%.
- 14.8 Any capital expenditure on the augmentation of the pooling station(s) of the Connectivity grantee required for sharing the dedicated transmission infrastructure shall be mutually agreed between the sharing parties. The

Connectivity grantee shall provide adequate capacity in the generator pooling station for peak power evacuation of the sharing entity(ies).

14.9 Operation and Maintenance expenses and Transmission Losses from the pooling station of the Connectivity grantee upto the ISTS connection point shall be shared in proportion to the capacity of the renewable projects sharing the transmission infrastructure.

15. Utilization of pooling station of Stage-II Connectivity Grantee

15.1 The Stage-II Connectivity grantee shall be required to update the status/utilization of the dedicated transmission infrastructure as per FORMAT-RCON-UT available at CTU website by 30th day of June and 31st day of December of each year.

15.2 CTU shall monitor the utilization of the dedicated transmission infrastructure. In case CTU finds that the dedicated transmission infrastructure remains under-utilized, CTU may seek an explanation from Stage-II Connectivity grantee. The grantee shall explain the reasons through an affidavit duly signed by authorized representative of the grantee within 30 days of issue of such notice. If, CTU is of the view that the spare capacity is not being put to use without reasonable justification, and it is resulting in denial of opportunity to other renewable generators/developers, the matter shall be brought to the notice of the Commission for directions with regard to the utilization of the available spare capacity.

16 Transmission Planning for renewable generation project and Coordination with Ministry of New and Renewable Energy (MNRE)

16.1 The location and capacity of various ISTS Pooling Stations and associated transmission facilities shall be developed keeping in view the exploitable wind or solar potential in the area based on the information to be made available by MNRE or any agency/authority/ nodal officer designated by MNRE.

- 16.2 CTU shall coordinate with MNRE and other associated organizations for planning and coordination with regard to development of the ISTS for evacuation of power from renewable energy generation.
- 16.3 The ISTS pooling stations including line bays at lower voltage for receiving power shall be developed as part of ISTS.
- 16.4 Based on consultation with MNRE, the transmission system so evolved shall be taken up for discussion in Standing Committee for Power System Planning and shall be implemented after regulatory approval.
- 16.5 CTU shall share the available capacity of the ISTS sub-station (including bay wise availability) with the designated agencies as notified by the Government who may take the same into consideration while inviting the bids.