

Ref No. C/CTU/W/05/Con St-II/1200002437

Date: 30/04/2020

**Shri Rajesh Kumar Gupta**  
Deputy General Manager  
Adani Green Energy Four Limited  
4th Floor, South Wing,  
Adani Corporate House, Shantgram,  
S G Highway, Ahmedabad-382421

**Sub: Grant of Stage-II Connectivity for 500 MW to M/s Adani Green Energy Four Limited for its proposed 2500 MW solar plant in Khavda, Kutch, Gujarat**

Dear Sir,

We write with reference to your application no. 1200002437 dated 22/01/2020 for grant of Stage-II Connectivity for 500 MW for proposed 2500 MW solar plant in Khavda, Kutch, Gujarat for which Stage-I Connectivity has already been granted. In the 45<sup>th</sup> meeting of Western Region constituents regarding Connectivity/LTA applications held on 28/02/2020, the above Stage-II Connectivity application was discussed and agreed for grant.

In view of the above, the intimation for grant of Stage-II Connectivity to ISTS as per the CERC Connectivity Regulations, 2009 and Detailed Procedure for Grant of Connectivity to projects based on renewable energy sources to Inter-State Transmission System and its amendment thereof is enclosed herewith.

Further, as per the CERC Detailed Procedure for Connectivity, you are required to sign the Transmission Agreement for Connectivity and submit requisite Connectivity Bank Guarantee (Conn-BG) of Rs. 10Cr. in the prescribed format within 30 days of issue of this intimation, failing which the Grant of Stage-II Connectivity shall be cancelled without any further notice in line with the CERC approved detailed Procedure. Sample agreement is available at our website [www.powergridindia.com](http://www.powergridindia.com) >> CTU Open Access.

You may contact at the following address for signing the referred agreements.

**Executive Director (Commercial)**  
Power Grid Corporation of India Limited  
Saudamini, Plot No. - 2, Sector - 29,  
Near IFFCO Chowk, Gurgaon - 122 001  
Tel: 0124-2571988

Thanking you,

Yours faithfully,



(Subir Sen)

Chief Operating Officer (CTU-Plg)

Encl : As above

**Copy to:**

<b>Chief Engineer (PSP&amp;A-I)</b> Central Electricity Authority Sewa Bhawan, R K Puram New Delhi – 110 066.	<b>Member Secretary</b> Western Regional Power Committee, F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai - 400 093
<b>Executive Director, NLDC</b> Power System Operation Corporation Ltd. B-9, Qutub Institutional Area, Katwaria Sarai ,New Delhi -110016	<b>Executive Director</b> Western Regional Load Dispatch Centre F-3, M.I.D.C. Area, Marol, Andheri(East), Mumbai - 400093

**Copy to:**

ED (Commercial & RC) / COO (BDD, JV &PI) / ED (WR-I) / ED (WR-II) / ED (Engg-T/L, S/s & Civil)

**Intimation for Grant of Stage-II Connectivity**

1. Intimation No : C/CTU/W/05/Con St-II/1200002437  
Date : 30/04/2020
2. Ref. Application No. : 1200002437  
Date : 22/01/2020
3. Name of the Applicant : Adani Green Energy Four Limited
4. Address for Correspondence : 4th Floor, South Wing, Adani Corporate House  
Shantgram, S G Highway, Ahmedabad-382421
5. Location of the Generating Station : Khavda  
Kutch, Gujarat  
Latitude : 24° 06' 49.18" N  
Longitude : 69° 28' 35.70" E
6. Nature of the Applicant : Generator (Solar)
7. **Details for Stage-II Connectivity granted**
  - 7a Capacity (MW) for which connectivity is granted : 500 MW
  - 7b ISTS sub-station and bay at which Connectivity is granted : 765/400/220kV Khavda PS (Proposed)  
1 no. 400kV bay (Bay no. shall be intimated upon finalization of S/s layout/GA diagram)
  - 7c Connectivity Transmission System :
    - Adani Green Energy Four Limited - Khavda PS (GIS) 400kV S/c line (on D/c towers) (with minimum power carrying capacity of 1250MW at nominal votage) along with associated line bays at generation end (under the scope of applicant)
    - Bay at ISTS substation end shall be under the scope of ISTS.

**Additional transmission system under ISTS:**

    - Establishment of Khavda 765/400, 1x1500MVA, 400/220kV, 1x500MVA PS (GIS)
    - Khavda PS (GIS) – Bhuj PS 765 kV D/c line
  - 7d Date from which Connectivity is granted : 01/07/2022 or Availability of the above additional transmission system for connectivity (whichever is later)

**Note: Stage-II Connectivity is granted to the ISTS with following terms and conditions:**

1. Stage-II Connectivity grantees are required to the sign the Transmission Agreement for Connectivity and shall furnish the Connectivity Bank Guarantee (Conn-BG) of Rs. 10Cr. in the prescribed format within the period of 30 days from the date of this intimation, failing which the Grant of Stage-II Connectivity shall be revoked without any prior notice. Extension shall not be granted on any grounds.



2. 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 / Short-Term Open Access. To ensure reliable evacuation of power, the applicants are advised to apply for LTA well in advance so that additional system strengthening, if required may be planned and implemented timely.
3. Stage-II connectivity grantee covered under Clause 9.2.1 of RE Detailed Procedure shall have to achieve the milestones as mentioned in Clause 9.3.1 of RE Detailed Procedure in accordance with bidding documents and submit the proof to CTU within a week of achieving the milestone(s).
4. Stage-II Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis through the online facility developed on CTU website. Procedure for online submission of status report of Stage-I/Stage-II grantees is available on CTU website. 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.
5. 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.
6. The dedicated line including terminal bays at generation end shall be developed by the applicant at their own cost. Bays at ISTS substation end shall be under the scope of ISTS.
7. Considering Right-of-Way near substation for termination of number of 400kV dedicated transmission lines, the applicants may coordinate among themselves for implementation of 400kV lines through multi circuit tower near the substation entry for about 2-3 kms stretches.
8. The Connectivity grantee or its legal assignee may share its dedicated transmission line / infrastructure with any other entity for its 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 Regulations 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. In such case, the other entity(ies) shall apply for Stage-II connectivity 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.
9. Applicant given intimation for Connectivity to the grid shall have to furnish additional details to CTU for signing of "Connection Agreement" as per format given at **FORMAT-CON-4**. The finalized template of generation data for Solar and Wind based generation projects has been appended as additional sections at Para F (Details of Connection –

Solar PV Station) and Para G (Details of Connection – Wind Generating Station) in the existing FORMAT-CON-4. The modified FORMAT CON-4 is available on our website ([>> CTU Open Access](http://www.powergridindia.com)). The Applicants are advised to furnish such details as early as possible for enabling them to have lead time for physical connection and any type of access.

10. The CTU will process the above information and will intimate the Connection details as per format given at FORMAT-CON-5. Pursuant to such Connection details, the applicant shall have to sign "Connection Agreement" with CTU prior to the physical inter-connection as per format given at **FORMAT-CON-6**. In case the connectivity is granted to the ISTS of an inter-State transmission licensee other than the CTU, a tripartite agreement shall be signed between the applicant, the Central Transmission Utility and such inter-State transmission licensee, in line with the provisions of the Regulations.
11. Wind/Solar developers shall comply with various provisions specified in the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2009 & amendment(s) thereof, including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits etc. and shall submit the test reports supported vide undertaking as well as compliance certificate from manufacturer for all applicable provisions from labs accredited by Govt./NABL/other recognized agencies.
12. Applicant shall have to inform likely date of synchronization, likely quantum and period of injection of infirm power before being put into commercial operation to the SLDC/RLDC concerned at least one month in advance and obtain their concurrence for the same.
13. As per IEGC and CERC Order on Petition No: 420/MP/2014, Wind/ Solar Generators are required to provide data acquisition system facility for transfer of information to concerned SLDC and RLDC.
14. Applicant shall provide Special Protection Scheme (SPS), if required, integrated into their system. In that event, details of SPS and its setting shall be worked out by the applicant in consultation with respective RLDC & RPC.
15. The applicant shall abide by all provisions of (i) the Electricity Act, 2003; (ii) the CERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in inter-State Transmission and related matters) Regulations, 2009 & amendment(s) thereof, Detailed Procedure for RES Connectivity; (iii) Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 & amendment(s) thereof; (iv) Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2010; (v) Central Electricity Authority (Grid Standard) Regulations, 2010; (vi) Central Electricity Authority (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011; (vii) Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010; (viii) Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006; (ix) Indian Electricity Grid Code Regulation as amended from time to time and any other applicable Standards/Regulations.

16. The applicant shall keep the CTU indemnified at all times and shall undertake to indemnify, defend and keep the CTU harmless from any and all damages, losses, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and; all other obligations by or to third parties, arising out of or resulting from the Stage-II Connectivity.



Place: Gurgaon  
Date: 30/04/2020

Name: (Subir Sen)  
Designation: COO (CTU Planning)