

**BEFORE THE HON'BLE JOINT ELECTRICITY
REGULATORY COMMISSION FOR GOA AND
UNION TERRITORIES
UDYOG VIHAR, PHASE-V, GURGAON**

FILING No_____

CASE No_____

IN THE MATTER OF

Chandigarh Renewal Energy Science & Technology Promotion Society
(CREST), 1st Floor, Paryavaran Bhawan, Sector-19, Chandigarh.....

.. PETITIONER

AND

IN THE MATTER OF:

Electricity Department,
UT, Chandigarh.

..... **RESPONDENT**

AND

IN THE MATTER OF:

1. Petition for seeking relief from the restriction on grid penetration upto 30% of the Distribution Transformer Capacity (DTC) for the projects commissioned before the Solar Power-Grid Connected Ground Mounted and Solar Rooftop and Metering Regulations, 2015 came to the existence and also to allow the grid penetration up to at least 50% of DTC for future projects.
2. To allow the net metering of the Solar Power plants without converting its output on to 11 KV side for the projects already commissioned before the Solar Power-Grid Connected Ground Mounted and Solar Rooftop and Metering Regulations, 2015 came to the existence and in cases where the captive consumption is more than the 3-4 times of the solar power generation then in such cases connection of solar power plant on 11 KV side may be dispensed with.

AFFIDAVIT

I, Santosh Kumar, Son of Shri Bishram Pd Singh, aged 46 years, Occupation: Indian Forest Service, residing at House No-200 of Sector-7, Chandigarh the deponent named above do hereby solemnly affirm and state on oath as under:-

1. That the deponent is the Chief Executive Officer (CEO) of Chandigarh Renewable Energy Science & Technology Promotion Society, Chandigarh & is acquainted with the facts deposed to below.
2. I, the deponent named above do hereby verify that the contents of the paragraph Nos.1 of the affidavit and those of the paragraph No 1 to 7 of the accompanying petition are true to my personal knowledge and that of paragraph no. 8 is a prayer to this Hon'ble Commission. I verify that no part of this affidavit is false and nothing material has been concealed.

Date:

Deponent

Place:

Respectfully Showeth:

1. That the Petitioner is a Registered Society formed under the Aegis of Department of Science & Technology, Chandigarh.
2. That the Ministry of New & Renewable Energy (MNRE), Govt. of India has declared Chandigarh as Model Solar City. Accordingly, the Department of Science & Technology has been designated as Nodal Department for Renewable Energy Projects by UT, Chandigarh. The Chandigarh Renewal Energy, Science & Technology Promotion Society (hereinafter to be referred as CREST) is a society under the aegis of Science & Technology Department of UT Chandigarh and has been designated as Executing Agency for all Renewable energy Projects including rooftop based Solar power plants for UT, Chandigarh.
3. **Grid penetration:-** As per the Solar Power-Grid Connected Ground Mounted and Solar Rooftop and Metering Regulations, 2015, the restriction on Grid penetration (Distribution Transformer Capacity) is allowed to be 30% of Distribution Transformer Capacity. However, CREST has installed and commissioned

following three SPV Power plants before this regulation come into being, as follows:-

Sr. No	Details of SPV Plant	Capacity of SPOV Plant	Capacity of the DTR	Remarks of CEDz	Date of commissioning of SPV Plant
1.	Govt. High School (SMART), Sector-53, Chandigarh	40 kWp	100 KVA	Not feasible, since the proposed power plant exceeds the 30% capacity of DTR	26.11.2014
2.	Govt. Model Sr. Sec. School, Manimajra, Chandigarh	50 kWp	100 KVA	Same as above	30.11.2014
3.	Govt. Model Sr. Sec. School, Manimajra Town, Chandigarh	70 kWp	100 KVA	Same as above	05.02.2015

Further, these plants are commissioned and working well for more than one year without any instability to the Grid.

CREST would like to request Hon'ble JERC for allowing these three SPV Plants under Net metering as one time exemption as they are commissioned before the regulations notified by JERC.

4. That CREST would like to submit before Hon'ble JERC to increase the grid penetration level up to atleast 50% of Distribution Transformer Capacity

as solar plant capacity is generally on DC side and its output on AC side is not more than 80% of its max capacity on D.C. side.

5. That as MNRE, GOI has mandated UT Chandigarh to achieve 100MW by 2022 and this can be achieved only through full utilization of roof space in Chandigarh as no vacant land is available for solar plant.

It is requested to Hon'ble JERC that in order to achieve full rooftop potential, CED may be directed to enhance capacity of its existing transformer instead of rejecting such cases of net metering on grid penetration issue.

6. As per the JERC Regulation, 2015, the solar power plants of more than 100 kWp capacity can only be connected to the grid on HT side i.e. 11KV side.

The CREST has installed solar power plants of capacity of 190 kWp at Chandigarh College of Engineering & Technology (CCET) on its three different buildings of individual capacity of 40 kWp +70 kWp + 80kWp. These solar plants have been connected on LT side of the respective buildings so as to be consumed as captive power and surplus if any from this power plant will go to the consumption of other buildings before getting exported to the Grid at 11 KV side. That this 190 kWp SPV Power Plant has been commissioned on 18.10.2014 much before JERC Regulation – 2015 came into existence.

It is therefore requested that the Hon'ble JERC may kindly allow the net metering of the Solar Power plant without converting its output power to 11 KV side and then again it bring back to LT side through Transformer which may lead to loss of energy with will add cost to the power plant. Further, it is hereby informed that the total electric load of CCET building is 865 kW. Whereas, the output of solar plant is not more than 190 kWp so chance of solar power getting exported is minimal.

7. That CREST would also make further submission before Hon'ble JERC that as a general case where the captive consumption is more than say 3-4 times of the solar power generation then in such cases connection of solar power plant on 11 KV side may be dispensed with to save loss of energy due to conversion and to save cost.

8. PRAYER

1. Hon'ble Commission may kindly exempt the grid penetration restriction upto the level of 30% of the Distribution Transformer Capacity (DTC) for the projects commissioned before the Solar Power-Grid Connected Ground Mounted and Solar Rooftop and Metering Regulations, 2015 and Solar Power Tariff came to the existence and also to allow the grid penetration at least 50% of DTC for further projects.

2. Hon'ble Commission may kindly allow the net metering of the Solar Power plants without converting it into 11 KV side for the projects already commissioned before the Solar Power-Grid Connected Ground Mounted and Solar Rooftop and Metering Regulations, 2015 and Solar Power Tariff came to the existence and in cases where the captive consumption is more than 3-4 times of the solar power generation then in such cases connection of solar power plant on 11 KV side may be dispensed with.

Date:
Place:

Deponent
(Santosh Kumar)
Chief Executive
Officer, CREST