

**PUNJAB STATE ELECTRICITY REGULATORY COMMISSION**  
SITE NO. 3, BLOCK B, SECTOR 18-A MADHYA MARG, CHANDIGARH

**Petition No. 10 of 2021**  
**Date of Order: 22.06.2021**

Petition for the approval of the work of installation of Roof top Solar Plant on roofs of control rooms of various 400/220/132 KV Sub stations of PSTCL and SLDC building as Capital Work in the MYT Control Period FY 2020-21 to FY 2022-23 under Section 62 and 64 of the Electricity Act, read with Regulation-9 of the PSERC (Terms and Conditions for Determination of Generation, Transmission, wheeling and Retail Supply Tariff) Regulations.

AND

In the matter of: Punjab State Transmission Corporation Limited,  
The Mall Patiala - 147001.

.....Petitioner

Present: Sh. Viswajeet Khanna, Chairperson  
Ms. Anjali Chandra, Member  
Sh. Paramjeet Singh, Member

**ORDER**

Punjab State Transmission Corporation Limited (PSTCL) has filed the present petition for approval of the work of installation of Roof top Solar Plant on roofs of control rooms of various 400/220/132 KV Sub stations of PSTCL and SLDC building as Capital Work in the MYT Control Period for FY 2020-21 to FY 2022-23. The petition was admitted vide order dated 24.02.2021 and PSTCL was directed to issue a public notice inviting objections/suggestions from the persons/organizations, having interest in the matter and the petition was fixed for hearing as well as public hearing on 17.03.2021. Public notice was published in various newspapers on 27.02.2021. The petition was taken up for hearing as well as public hearing on 17.03.2021 however, none from the public

attended the public hearing. It was observed by the Commission during hearing that PSPCL is a necessary party for proper adjudication of the matter and impleaded PSPCL as a respondent. PSTCL further submitted, vide memo No. 710 dated 17.03.2021, the details of sub-station wise connected load, annual consumption and expected Annual Generation from the proposed Rooftop Solar units on the sub-stations. After hearing the parties on 28.04.2021, Order was reserved.

### **Submissions of PSTCL**

2.0 PSTCL has submitted that Petition no. 19 of 2019 was filed for installation of Roof top solar plant of 1699kWp capacity on roofs of control rooms of its various 400/220/132 KV substations & SLDC building amounting to Rs. 10.15 Cr as a work of Business Plan including Capital Investment Plan for MYT Control Period from FY 2020-21 to 2022-23. The Commission vide Order dated 03.12.2019 disallowed the scheme and observed as under:

*"For scheme no. 6, i.e. for installation of solar panels for rooftops, the capital investment claimed by PSTCL has been disallowed. Although the Commission appreciates the initiative taken by PSTCL, the installation of solar panels on rooftops is for PSTCL's own use. Accordingly, the cost of this scheme cannot be passed on to the consumers. Therefore, PSTCL may conduct this work from their own budget."*

2.1 That PSTCL gets its capital and revenue expenditure reimbursed from PSPCL through tariff order. PSTCL has now reworked the capital expenditure for this work as Rs. 6.21 Crore and it will lead to saving on account of electricity generation through

Rooftop Solar resulting in reduction of A&G Expenses. The Commission allows expenses on the basis of actual or normative whichever is lower. Hence, if in future A&G expenses are reduced, then it will reduce the overall tariff and benefit for reduction in electricity charges will also go to the consumers.

2.2 That the Department of New and Renewable Energy, Government of Punjab, has also issued a notification no. 18/7/2014-PE1/548 dated 03.03.2020 vide which Installation of Rooftop Solar Photovoltaic Power Plant is made mandatory on existing Govt. Building/corporations/cooperative Departments/Boards/Agencies/Notified Area committee/Housing and Urban Development department.

2.3 That the matter regarding installation of Rooftop Solar power plant was consulted with PEDA. On the basis of the rate approved by PEDA for FY 2020-21, PSTCL has worked out the total capital cost as Rs. 6.21 Crore. PSTCL submitted that it may be able to save Rs. 23.61 Crore from installation of roof top solar plant of 1699 KWp capacity in 25 years (i.e. Rs. 95 Lac Annually).

2.4 PSTCL has prayed to:

- i. Admit and take on record the present petition filed by PSTCL for the work of installation of Roof top solar plant.
- ii. To approve the work of installation of Roof top solar plant on roofs of control rooms of various 400/220/132 KV substations of PSTCL & SLDC building as Capital work in the MYT Control Period FY 2020-21 to 2022-23.
- iii. Pass such other further order(s) as the Commission may deem just in the facts of the present case.

## **Submissions of PSPCL**

3.0 PSPCL has submitted vide memo No. 5657 dated 06.04.2021 that as per the directions issued by the Deptt. of NRE (Energy Branch) Govt. of Punjab, vide Notification no. 18/07/2014-PE1/548 dated 03.03.2020 the installation of Roof Top Solar PV power plants in the existing Govt. Buildings/Corporations /Co-operative departments/ Boards/ Agencies/ Notified area Committees/ Housing and Urban Development Department has been made mandatory. The present petition is regarding the installation of Roof Top Solar PV Plants on buildings of PSTCL in compliance to the above referred notification of Govt. of Punjab & this is also in line with the ambitious programme of Govt. of India for the addition of 175GW RE Power by 2022. The Installation of Roof Top Solar PV Plants on buildings of PSTCL will be helpful in the solar power addition in the State of Punjab and subsequently meeting the RE power targets.

### **4. Observations and Decision of the Commission:**

The Commission has examined the submissions made by PSTCL and PSPCL as well as the documents adduced on the record. The Electricity Act, 2003, among other objects, aims at promotion of efficient and environmentally benign technologies and the Commission appreciates PSTCL's initiative for installation of Roof Top Solar PV Plants for generation of electricity for its own use and consumption.

The Commission observes that Note 3 of Regulation 26 of PSERC MYT Regulations 2019 specifies that O&M expense shall be allowed on normative basis and shall be trued-up only to the account of variation in Wholesale Price Index and Consumer Price Index. However, with the installation of Roof Top Solar PV Plants, PSTCL

will save on its electricity bills for the Grid substations on account of electricity generation from the Solar Rooftop Plants replacing the electricity drawn from PSPCL. This will result in reduction of A&G expenses of PSTCL. As A&G expenses are part of O&M expenses, the Commission will make suitable adjustments to the A&G expenses based on actual savings.

**Accordingly, the Commission allows investment for installation of solar plants on the roofs of control rooms of various 400/220/132 KV Grid substations of PSTCL & SLDC buildings as Capital work in the MYT Control Period FY 2020-21 to 2022-23 with the following directions:**

- a) PSTCL shall submit the savings due to self consumption of energy generated by the Solar plants in the ARR petition.
- b) Solar generation shall be for self use of PSTCL and no payment shall be made by PSPCL for any inadvertent injection of Solar energy in the grid.

The Petition is disposed of accordingly.

Sd/-	Sd/-	Sd/-
(Paramjeet Singh) Member	(Anjuli Chandra) Member	(Viswajeet Khanna) Chairperson

Chandigarh  
Dated: 22.06.2021