

**BEFORE THE  
TRIPURA ELECTRICITY REGULATORY  
COMMISSION**

**BidyutBhavan ,Bhutoria , Banamalipur , Agartala ,Tripura-799001  
Phone : 0381-2300137 , 0381-2326372 , Website : <https://terc.tripura.gov.in>**

**Petition No. : 6 of 2020 ORDER NO. : 17 of 2020**

**In the Matter Of**

Petition for determination of prefixed levelised tariff for purchase of Solar Power by **Tripura State Electricity Corporation Limited** from decentralized Solar Power Plants and other Renewable Energy Generating Plant of Farmer / Developer having capacity of **500 kw to 2000 kw** in the vicinity of Rural grid Sub-Station under Component-A of the Pradhan Mantri Kisan Urja Suraksha evem Utthaan Mahabhiyan ( PM KUSUM ) Scheme introduced by Government of India .

**Petitioner :** Tripura State Electricity Corporation Limited , BidyutBhavan , Banamalipur ,Agartala , Tripura-799001 .

**CORAM**

1. Sri D . Radhkrishna ..... Hon'ble Chairman , TERC .
2. Sri Jiban Krishna Sen ..... Member , TERC .

**ORDER**

**Date of Hearing : 06-08-2020**

**Date of Order : 14-08-2020**

1. The Petition has been filed by the Distribution & Transmission Licensee i.e. Tripura State Electricity Corporation Limited(TSECL) . The Petitioner has prayed that the Hon'ble Commission may determine the Pre-fixed levelised tariff for purchase of Solar Power by the Licensee from decentralized Solar Power Plants and other Renewable Energy Generating Plants of Farmer / Developer having capacity of 500 kw to 2000 kw in the vicinity of Rural Grid Sub-Stations under Pradhanb Mantri Kisan Urja Suraksha evem Utthan Mahabhiyan ( PM KUSUM ) Scheme introduced by the Government of India .
2. **Brief facts of the Petition :**
  - i. That as a part of intended Nationally Determined Contributions (INDCs) for reduction of greenhouse gas emission , India has committed to increase the share

of installed capacity from non-fossil sources to 40 % by 2030 . The Government of India has accordingly scaled up the target for Solar Power from 20,000 MW of Grid Connected Solar Power Projects to 1,00,000 MW by 2022 . While Large scale Solar Power Generating Projects are being set up to achieve the ambitious target of 1,00,000 MW of Solar Power Generation . It has been planned to simultaneously develop decentralized Solar Energy and Other Renewable Energy Generating Plants of Capacity 500 kw to 2000 kw which could be directly connected to the existing 33/11 Kv , 66/11 Kv , 132/11 Kv Sub-Stations of the DISCOMs , thus saving transmission system requirements apart from reduction in T&D losses . Such Plants are proposed to be set up near the Sub-Station (Within 5 km ) in rural areas preferably by the farmers or farmer's bodies such as Panchayats , Corporative etc. giving them an opportunity to increase their income by utilizing their barren land to set up Solar or other Renewable Energy-based Power Plants. Cultivable land may also be used if the Solar Plants are set up on stilts(raised structure) where crops can be grown below the stilts . Besides it is planned to replace the existing 10 Million Agriculture pumps run on diesel with Solar Powered Pumps and further to solarize 20 Million Grid connected Agri pumps presently being supplied electricity by DISCOMs..

**ii.** That the Government of India , Ministry of New and Renewable Energy has accordingly formulated and launched a New Scheme for the Farmers under the name Pradhan Mantri Kisan Urja evem Utthan Mahabhiyan ( PM KISUM) Scheme . The Scheme will also give an opportunity to the Farmers to increase their income. PM KUSUM Scheme has the following three Components :-

- a. Component-A :** Setting up 10,000 MW of decentralised Ground /Stilt Mounted Grid Connected Solar , Energy based Power Plants ,
- b. Component-B :** Installation of 17.50 Lakh Stand –alone Solar Agriculture Pumps , and
- c. Component-C :** Solarisation of 10 Lakh Grid connected Agriculture Pumps .

As per guidelines , the **Component A** will be implemented initially on Pilot mode for 1000 MW Capacity and similarly , **Component-C** would also be implemented initially in Pilot mode for 1 Lakh Grid connected Agriculture Pumps . **Component-B** will be implemented in full-fledged manner . Installation of Solar Power up to 5 MW has been sanctioned by

MNRE , Government of India in favour of Tripura State Electricity Corporation Limited vide Order F.No.32/54/2018-SPV Dt 02.12.2019

All the three Components of the Scheme aims to add Solar Capacity of 25,750 MW by 2022 with total Central support of Rs. 34,422 Cr.

iii. That Power Generated from the Renewable Energy (RE) based Power Plants to be set up under Component-A of the Scheme , will be purchased by the DISCOMs as per **Pre-fixed levelised tariff** .

iv. That the State Nodal Agency i.e. TREDA (Tripura Renewable Energy Development Agency) will coordinate with States DISCOM(s) and Farmers for implementation of the Scheme. They will assist the Farmers in Project Development activities including formulation of DPR , PPA/EPC contracts , getting funds from financial institutions etc. The DISCOMs have already assessed Sub-Station wise RE Generation Capacity that can be injected at various 33/11 Kv Sub-Stations in the rural areas. The total RE capacity that can be injected adds up to 5 MW in case of TSECL .

A. Regarding determination of prefixed levelised tariff for purchase of energy generated from Solar Power Plants set up under Component-A of PM KUSUM Scheme :-

C.1 : As already stated , under Component-A of PM KUSUM Scheme , Solar Power Plant of capacity 500 kw to 2000 kw will be set up by Farmers or other bodies as detailed in the earlier section . MNRE has accorded the sanction of decentralized Ground Mounted Grid Connected Renewable plant of capacity 5 MW to TSECL ,the state implementing agency under component “A” of PM KUSUM scheme. . Energy generated from the Solar Plants developed under the Component-A of PM KUSUM Scheme will be purchased by the Petitioner at prefixed levelised tariff.

C.2 : The matter as above is submitted for kind consideration of the Hon’ble Commission and necessary approval.

### **Proceeding in the Case :**

3. The Commission heard the case on 06-08-2020 where the representatives of the Petitioner and TREDA were present. The Petitioner reiterated the written submissions which for the sake of brevity, are not reproduced herein.

#### **4. Commission's Order :**

- 1 . The Commission, in the present Order, is carrying out the work for determination of levelised tariff for purchase of power by DISCOM from decentralized Solar Plants having capacity of 500 kw to 2000 kw to be set up by individual Farmers/group of Farmers/ Cooperatives / Panchayat/Farmer Producer Organizations (FPO) / water User Associations (WUA) in the vicinity of rural Grid Sub-Stations under Component-A of PM KUSUM Scheme introduced by the Govt. of India .
2. The all other Terms and Condition of the said Scheme Shall be applicable as per MNRE guidelines and considering above all the Commission determines levelised tariff at **Rs. 3.31 /kwh** for a period of 25 years.
3. The DISCOM has to make wide publicity through Print, Electronic and Social Media in local 2 nos languages( Bengali & Kokborok) regarding the scheme to get the maximum benefit by the Farmers.
4. The Secretary, TERC is directed to inform to all concerned.

Sd/

**( Jiban Krishna Sen )**  
**Member**  
**TERC ,Agartala**

Sd/

**( D . Radha Krishna)**  
**Chairman**  
**TERC , Agartala**

**Certified True Copy**

Sd/

**14/08/2020**

**( Er. H .K .Das )**

**Secretary**  
**TERC ,Agartala**