



JAIPUR VIDYUT VITRAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER(Comml.)

Regd.Office: Vidyut Bhawan, Jyoti Nagar, Jaipur – 302005 Tel – 0141-2747041 FAX –
 0141 – 2744803

Website:www.jaipurdiscom.com; Email – secommel@jvvn.in

CIN: U40109RJ2005GC016486

No. JPD/SE(C)/XEN(C-II)/F. /D. 1281

Dated 15.09.2017

ORDER

**Sub: Regarding procedure of Settlement of Solar Energy from Captive
 Solar Plant in Rajasthan under Open Access**

Various consumers are intending to wheel power from their Solar power plants located at remote places and to their drawl point connections in Jaipur Discom under Captive use The consumers are continuously approaching for the methodology of Adjustment and clarification about banking facility.

Therefore as per provisions of **Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Renewable Energy Sources - Wind and Solar Energy) Regulations, 2014, Rajasthan Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2016, and Rajasthan Solar Energy Policy 2014** the accounting Procedure shall be as per the followings.

- (1) The provision for banking of energy is applicable for captive power producers, generating energy from RE sources, for captive consumption in the state only.
- (2) The adjustment of banked energy should be done as per Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Renewable Energy Sources - Wind and Solar Energy) Regulations, 2014 clause-39 , Rajasthan Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2016 clause-25.
- (3) The CMRI/ Load Survey report on 15 minute's basis shall be considered for calculation of injected Solar energy as well as power consumed at drawl end.

(4) Injected energy by solar plant less transmission and wheeling losses (say 'Avl Energy') during a time block shall be compared with energy drawn during the same time block.

- i. If Avl. Energy is more than the energy drawn, the excess energy is computed. The excess energy of each time block shall be cumulated till the end of the month and shall be set off against the cumulative excess drawal of Discom energy in the same month. The balance of excess energy, if any, shall be carry forward to next month as banked energy.
- ii. If Avl Energy is less than energy drawn, then excess energy drawal shall be adjusted in relative order as mentioned under Regulation 25(1) of the **Rajasthan Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2016**. The cumulative energy drawn from the Discom, after set-off the excess of Avl Energy in the same month, as stipulated in 3(i) above shall be billed as per relevant tariff provisions of the RERC, issued from time to time.

(5) The injected energy after deducting admissible transmission and distribution losses and remained after setting off against total drawl at drawl end at the end of the month shall be considered for banking purpose, hereinafter to be referred as "net banked energy".

(6) The net banked energy in a month shall not exceed the quantum of energy injected in the grid in the month. In case the energy injected in the month is lower than banked energy, the banked energy would be deemed to get restricted upto the energy injected.

Example: If total energy injected in the grid in the month is "100" units and the net banked energy, calculated from energy adjustment procedure mentioned at s.no. (3) of this document, is "150" units, where $150 > 100$ then only "100" units shall be considered as net banked energy. Remaining " $150 - 100 = 50$ " units of energy shall be lapsed and no claim, whatsoever, shall be admissible.

(7) The net banked energy (less 2% as banking charges) during previous month (M-1), shall be permitted uniformly for all the 15 Minutes time blocks during current month (M) (computed by dividing the net banked energy by $96 \times$ number of days in a month). For month of 30 days, it will be (net banked energy for previous month (M-1) less 2% towards banking charges)/ (96×30) as per **Rajasthan Electricity**

Regulatory Commission (Terms and Conditions for Determination of Tariff for Renewable Energy Sources - Wind and Solar Energy) Regulations, 2014 and Rajasthan Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2016

Example: During the previous month (M-1). Let us assume that net banked energy is 10000 units. Then the Net banked energy available for adjustment for current month (M) of 30 days shall be:

10000 less 2% (banking charges)/ (96 time slots*30 days in (M) month) = 3.40 units.
This means for the purpose of energy adjustment in month (M), pursuant to energy adjustment procedure specified, 3.40 units shall be available in each time block of 15 min for adjustment against net banked energy as provided in regulation 25(1) (iii) of **Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2016**

- (8) The net banked energy in current month (M) (less 2% banking charges) shall be adjusted in the next month (M+1). In case banked energy remain unutilized in M+1 month, then the RE Power Generator/Developer would be entitled to get payment @60% of energy charges applicable for large industrial power tariff, excluding fuel surcharge, if any, in respect of 10% of unutilized banked energy after the end of M+1 month of banking. Unutilized banked energy, in excess of 10% shall be elapsed as per **Rajasthan Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Renewable Energy Sources - Wind and Solar Energy) Regulations, 2014** .

- (9) Energy Adjustment in any time block of 15 minutes, during current month (M) (as per priority of adjustment) shall be as follows.

Let us assume,

A=Avl Inj. Energy,

B= Banked energy available for each of the time block in a current month (as per example above, let's take it as 3.40 units),

D=Total drawal and energy from all remaining other sources specified at 25(1) of RERC OA Regulation = zero (0).

- (i) If $(A+B < D)$

drawal from discom = $D - A - B$,

banked energy for next month (M+1) = 0,

unutilized banked energy = 0

(ii) If $(A > D)$,

banked energy (for next month) $(M+1) = A - D$,

unutilized banked of previous monthly Energy = B shall be paid upto 10% at the rate specified.

(iii) If $(A < D)$ but $A + B > D$,

banked energy (for next month) $(M+1) = 0$,

drawal from Discom = 0

unutilized solar energy to be banked = 0 ,

unutilized Banked energy = $(D - A - B)$.

(10) For a captive power plant supplying to multiple units. Injected energy for each unit will be considered separately based on allocation to different units given at the beginning of the month.

By Order



(A.K.Khandelwal)
(Chief Engineer(HQ.))