

**Proceedings of the meeting held in Room No:222, Vikasa Soudha on 08.01.2020 to discuss regarding off grid solar projects for captive use without wheeling and banking under the chairmanship of Additional Chief Secretary, Energy Dept, GoK**

List of Officers present in the meeting is enclosed as Annexure.

At the outset, the Additional Chief Secretary, Energy Dept, GoK welcomed all the officers for the meeting.

Additional Chief Secretary, Energy Dept, GoK informed that, requests for solar projects for captive use without wheeling and banking is being received from developers, hence, it is necessary to discuss about the pros/cons to permit the same in the State.

Representative from Karnataka Electricity Regulatory Commission (KERC) appraised that, currently there are two types of Inverters in the State, String Inverter and Stand alone Inverter. Stand-alone inverter or off-grid inverter is for remote stand-alone application or off-grid power system with battery backup, where the inverter draws its DC power from batteries charged by PV array without using Karnataka Power Transmission Corporation Limited (KPTCL)/Electricity Supply Company(ESCOM) grid supply. If Stand alone Inverter is used in the generating station and the power generated is consumed within the premises for captive use, then it can be treated as Stand alone/Off-Grid project. The solar captive generating plant with String Inverter uses the KPTCL/ESCOM grid reference Voltage for its generation, when the power goes off, the solar power generation stops. This type of system is treated as Grid connected project and the consumer is required to enter



MD KREDL  
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GM (Tech) KREDL  
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Wheeling and Banking agreement with KPTCL/concerned ESCOMs as per KERC orders/regulations.

After the detailed discussion in the meeting, it was decided that:

1. The solar generating plant installed in the existing consumer's premises for their own captive use and which is completely isolated from the KPTCL/ESCOM grid and having battery back up for reference voltage, such plants will be treated as Stand alone/Off-Grid project. The Wheeling and Banking agreement with KPTCL/concerned ESCOMs is not required for such solar plants. The Consumer has to obtain electrical safety clearance certificate from Department of Electrical Inspectorate. At the time of issuing electrical safety Certificate, the Chief Electrical Inspector/the concerned officer from Department of Electrical Inspectorate has to confirm that the generating plant is Stand alone/Off-Grid and also verify the conditions with respect to Captive status as per Electricity Act/Electricity Rules in force. The monthly progress report of such solar plants has to be sent to KPTCL/Concerned ESCOMs/Karnataka Renewable Energy Development Limited (KREDL).
2. The solar generating plant installed in the existing consumer's premises for their own captive use and which uses the KPTCL/ESCOM grid reference voltage for its generation, such plants will be treated as Grid connected Captive Solar plant and the consumer is required to enter Wheeling and Banking agreement with KPTCL/concerned ESCOMs as per KERC orders/regulations.

In the meeting it was also discussed about the Banking facility provided to Renewable Energy Projects. To promote renewable energy projects in the State, banking facility is extended to renewable energy projects, as per which ESCOMs are required to pay 85% of generic tariff to Renewable IPPs if they do not sell the power within Wind/Solar/Water year as prescribed by KERC. This amounts to a deemed PPA which is neither required by ESCOMs in present scenario, nor permitted by KERC, as KERC has asked ESCOMs not to sign any PPAs for Renewable Energy. As the State has Renewable Energy installed capacity of more than 14,800MW, further promotion of renewable energy projects is not required. Therefore, the Government is issuing allotment orders only for wheeling facility without banking facility. In the meeting it was decided to write a letter to KERC to remove banking provision for the renewable energy projects.



(Mahendra Jain)

Additional Chief Secretary  
Energy Department

No:ENERGY/484/VSC/2019-JD-ENERGYSECRETARIAT

Date: ~~22~~-01-2020

Copy:

1. Managing Director, Karnataka Power Transmission Corporation Limited, KaveriBhavan Corporate Office, Bengaluru.
2. Director (Transmission), Karnataka Power Transmission Corporation Limited, KaveriBhavan, Corporate Office, Bengaluru.
3. Managing Director, BESCOM/MESCOM/CESC/HESCOM/GESCOM.
4. The Managing Director, Karnataka Renewable Energy Development Limited, No. 39, "Shanti Gruha", Palace Road, Bhart Scouts and Guides Building, Bengaluru.

5. The Secretary, Karnataka Electricity Regulatory Commission (KERC), No-16, C-1, Millers Tank Bed Area, Vasanth nagar, Bangalore-560052.
6. The Chief Electrical Inspector, Nirmana Bhavan, 2nd Floor, Dr || Raj Kumar Road, Rajajinagar, Bengaluru.
7. Director (Technical), Bangalore Electricity Supply Company Limited, KR Circle, Bengaluru.
8. Chief Executive Officer, Karnataka Solar Power Development Corporation Limited, Bejaraja Seeds Complex, 2nd Floor, Bellary Road, Bengaluru -560024.
9. P.S. to the Additional Chief Secretary to Government, Energy Department, Vikasa Soudha, Bengaluru.
10. P.A to Joint Secretary to the Government, Energy Department, Vikasa Soudha, Bengaluru.

**Officers present in the meeting held in Room No:222, Vikasa Soudha on 08.01.2020 to discuss regarding off grid solar projects for captive use without wheeling and banking under the chairmanship of Additional Chief Secretary, Energy Dept, GoK**

**Sri/Smt**

<b>Sl No</b>	<b>Name</b>	<b>Designation</b>
1	Sri Mahendra Jain IAS	Additional Chief Secretary to Govt. Energy Department
2	K.Siddaraju	Director Technical, KPTCL
3	Dr. H.B Budeppa	Managing Director, KREDL
4	Srinivasappa	General Manager (T), KREDL
5	Kavitha Rani R.	Secretary, KERC
6	Uma H.M	Deputy Director (DF), KERC
7	P Shailaja	DGM (Power Project), BESCOM
8	D. Krishnamurthy	General Manager (Power Project), BESCOM
9	D.L Nagaraj	Chief Electrical Inspector to Govt., Department of Electrical Inspectorate
10	KVC Ramanjaneyalu	Chief Engineer (Ele), SLDC, KPTCL
11	S.V Govindaraju	CEE(P&C), KPTCL
12	G. Bhimsha	CEO, KSPDCL
13	D. Chethan	Executive Engineer(E),PSS, KPTCL