

MADHYA PRADESH ELECTRICITY REGULATORY COMMISSION, BHOPAL

Sub : In the matter of grant of permission for evacuation of power from 120 KW Solar plant at Bilkheria, Raisen Road, Bhopal into the 33 KV grid line connected to Bilkheria substation directly in front of the power plant.

Petition No. 78/2011

ORDER

(Date of hearing 10th January, 2012)

(Date of order 11th January, 2012)

M/s Omega Renk Bearings Pvt. Ltd., - Petitioner
Anand Nagar, Raisen Road,
Bhopal (MP) – 462021.

V/s

M.P.Madhya Kshetra Vidyut Vitaran Co. Ltd., - Respondent No.1
Nishtha Parisar, Govindpura, Bhopal.

M.P.Power Transmission Co. Ltd., - Respondent No.2
Shakti Bhawan, Rampur, Jabalpur.

Shri Sushil Prakash, Managing Director appeared on behalf of Petitioner.

Shri R.K.Khade, EE (Comm.) and Shri S.D.Singh, GM (SE) appeared on behalf of Respondent No.1

Shri R.C.Chakraborty, EE appeared on behalf of Respondent No.2.

2. Petitioner has filed the petition seeking approval for evacuation of 120 KW of power generated from solar plant at Bilkheria through the 33 KV line. Petitioner is setting up a 120 KW capacity Solar Power Plant. Respondent No. 1 vide letter dated 12.12.2011 informed Petitioner that the evacuation point cannot be near the power plant and the connectivity to the proposed 120 KW plant is possible from the nearest 33/11 KV substation Kokta, Bhopal which is about 8 kms away from the said plant. Petitioner has associated the following difficulties with evacuating power through the 8 km 33 KV line :

- (i) The net revenue generated to the company under wheeling agreement would only be about Rs. 5 lakhs per annum.

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- (ii) Additional cost of Rs. 1.2 Crore will be incurred in laying down a separate line of 8 km.
- (iii) There will be huge transmission losses in transmitting 120 KW power through this 8 km line.
- (iv) Problems in getting permission for a private line crossing roads and private land.

3. Petitioner has submitted that it is technically feasible to feed this small power at any point in the grid because of the following reasons:

- (i) The system has all protection as per MPMKVVCL suggestions.
- (ii) It has a reverse current relay apart from the protection on the inverter and hence is fool proof against back feeding during outages.
- (iii) Further through remote metering monitoring can be done.
- (iv) Fuses and isolators are used as per MPMKVVCL ruling.

4. In view of the above, Petitioner has requested grant of permission to evacuate the power to the 33 KV HT line (grid line connected Bilkheria substation) directly in front of the solar plant for wheeling agreement.

5. The case was listed for hearing on 10.01.2012.

6. During the hearing, Petitioner reiterated the contents of the petition. He has also submitted that with 120 KW Solar Power Plant, if connected at 33 KV, the current to the extent of 1.9 A shall be transferred on the feeder. He has also submitted that Respondent No.1 had allowed interconnection with 33KV existing feeder for 70 KW project to Petitioner and that this arrangement is working for the last 1½ years. The proposal for extending independent 33 KV feeder for a route length of 8 to 10 kms would involve expenditure of about Rs. 1.5 Crores which will be an additional burden on the project. He has, therefore, requested permission for connectivity at 33 KV existing feeder.

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7. During the hearing, the representative of Respondent No.1 submitted that they have issued a circular to standardize connectivity terms and conditions for non-conventional project with the grid and accordingly Petitioner was requested to lay 33 KV independent feeder up to the nearest 33/11 KV substation.

8. On hearing Petitioner and Respondent, the Commission is of the view that the problem of Petitioner is a genuine one which should have been resolved by Respondent No.1 at their end. The Commission also noted that Respondent No.1 has already recommended connectivity with the nearest 33 KV feeder for Petitioner's 70 KW Solar Power Project. The Commission therefore directs connectivity to the aforesaid Solar Power Project with nearest 33 KV feeder.

9. With this directions, the Petition No. 78 of 2011 stands disposed of.

Ordered accordingly,

sd/-

(C.S.Sharma)
Member

sd/-

(Rakesh Sahni)
Chairman