

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

No. 2009/Elect(G)/150/13/Pt.

Dated: 18.11.2015

**General Managers, All Indian Railways,
And Production Units.**

Sub: Harnessing of Solar Energy on rooftop of Railway Buildings.

Ref: Board's letter No.2012/Elect(G)/150/4/Pt.IV dt. 10.03.15.

In order to meet the commitments given in Budget speech 2015 for installation of solar plants and as a part of Indian Railways Solar mission to reduce dependence on fossil fuels, Railway are required to put up solar plants on the roof tops of Railway premises. For this purpose, 50 MWp capacity has been identified & allocated to Zonal Railways vide Board's letter under reference.

2. Accordingly, the following policy frame work in this matter should be followed:

- i) Solar power plants should be installed through developer mode on the rooftops available in Railways Premises from investment by developers with consumption of complete electricity so generated by Railways for its own uses, through a long term Power Purchase Agreement (PPA) for 25 years with developers at a fixed tariff, as arrived through open bidding process. CFA shall be provided as per existing MNRE guidelines.
- ii) Zonal Railways should call for tariff based open bidding (based on model RFQ/RFP documents being circulated separately by Board in the regard) from interested developers with grant of permission to developers for use of roof top spaces of Railway buildings/stations/platforms/sheds/workshops or any other suitable roof top space without any charge, whatsoever it maybe, with utilization of complete energy by Railways through long term Power Purchase Agreement (for per unit cost of solar power) for a period of 25 years as per the model Tender document and PPA approved By Board.
- iii) However, while initiating the Bidding process simultaneous activity of identification of necessary rooftop space, alongwith preparation of plan for removal and relocation of existing encumbrances on these rooftops if any should be carried out and internal approval for use of space, where necessary, be obtained and kept in readiness.

- iv) To protect Railways interest, in case there is a sharp drop in the price of per unit power being procured from other sources like DISCOMs etc. by Railways as compared to solar power contracted as per above policy, Railways will buy back the solar plant as per the provisions made for the same in the tender document being issued by Board.
3. Based on the above and in accordance with MNRE guidelines for Central Financial Assistance, Model Bid Documents are also being issued shortly.
4. A suitable feedback /review mechanism should be put in place to monitor progress/performance by Zonal Railways and reporting to Railway Board on six monthly basis.
5. Action taken in this regard may please be intimated.

This has the approval of Board (ML, ME & FC).


18.11.15
Director Finance/PPP


18/11/15
Director/L&A


18/11/15
Director Elect. Engg.(PS)

- Copy to:**
1. Chief Electrical Engineers; All Indian Railway & Production Units for information and necessary action.
 2. Director General RDSO, Lucknow,
 3. All Indian Railway Institutes.
 4. CEE/CORE/Allahabad.
 5. All Railway Workshops
 6. DME(C&IS) for uploading on website.