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**Solar power from rooftop systems at two stations**

**EXPRESS NEWS SERVICE**  
@ Bengaluru

THE Baiyappanahalli and Peenya Metro depots will soon generate power through rooftop solar systems to meet their requirements. The excess power will be sold to BESCOM.

Briefing reporters on Friday, N M Dhoke, Director, (Rolling Stock, Signalling & Electrical), BMRCL, said around 10,000 units of power can be generated per day at both the depots through the solar systems. "The capacity of the solar system in Peenya is 1.154MW and it can generate 5,983 units per day. The capacity at Baiyappanahalli is 1.456MW and it can generate 4,742 units per day."

"The energy generated will be used to operate high jacks, compressors and lathe machines used in lifting coaches and other



**The energy generated will be used to operate high jacks, compressors and lathe machines used in lifting coaches and other works**

N M Dhoke, Director, (Rolling Stock, Signalling & Electrical), BMRCL

works," he said. "The remaining power generated will be sold to BESCOM. We will sign a contract with them after working out the details," Dhoke added.

The contract for installation of the solar systems has been awarded to Clean Max. "While BESCOM charges it ₹5.70 per unit, Metro needs to pay Clean Max ₹5.565 per unit of solar energy generated for first three years and ₹6.6 for subsequent years," he said. The solar power tariff with the concern is fixed unlike the tariff hikes effected by BESCOM, Dhoke said. "BMRCL will save approximately ₹51.74 crore over the next 25 years," he added. The commissioning of the plants is likely to take six months.

Four depots in Metro's Phase-II — Challaghatta, Whitefield, Kothanur and Hebbagodi — will also have solar systems, he said.

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**Metro depots to have rooftop solar systems**

**BENGALURU:** The Bangalore Metro Rail Corporation Limited (BMRCL) has entered into an agreement with Cleanmax to instal rooftop solar system at Baiyappanahalli and Peenya depots, under public-private partnership.

N M Dhoke, Director (RSE) said the BMRCL would not be spending on the project, which will be installed in four months after awarding the contract.

Instead, BMRCL will buy power from the contractors at a rate of Rs 5.56/ unit for the first three years and Rs 5.6 per

unit in the subsequent years. At present, BMRCL is buying power from Bescom between 6 am and 6 pm at a rate of Rs 5.70/unit.

"Considering the average tariff increment trend of Bescom, which is between 5-6% per annum, we will be saving approximately Rs 51.74 crore over the next 25 years. Apart from exploiting solar potentials, our dependence on Bescom will come down," he said and added that a similar model would be adopted at all Metro stations in the future.

**DH News Service**

**Power facts**

**Baiyappanahalli depot**

- Approx capacity of solar system: **1.456 MWp**
- Approx. solar power generation: **5,983 units per day**
- Daily power consumption at Baiyappanahalli depot: **3,330 units**

**Peenya depot**

- Approx capacity of solar system: **1.154 MWp**
- Approx solar power generation: **4,742 units per day**
- Daily power consumption at Peenya depot: **2,800 units**

