

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

UNSTARRED QUESTION NO:1431
ANSWERED ON:22.03.2012
POWER GENERATION IN RAILWAYS
Saroj Smt. Sushila;Upadhyay Seema

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways proposes implementation of regenerative braking system as being used by Delhi Metro to get electricity;
- (b) if so, the details thereof and if not, the reasons therefor; and
- (c) the other steps taken/being taken by the Railways towards generating power through non-conventional methods for the use in their operations?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI K.H. MUNIYAPPA)

(a) & (b): Indian Railways has already started manufacturing of new generation 6000 Horse Power (HP) electric locomotives and Electrical Multiple Units (EMUs) with regenerative braking feature at Chittaranjan Locomotive Workshop (CLW) and Integral Coach Factory (ICF) respectively. Such technology will be implemented on more number of locomotives and Electric Multiple Units in future.

(c): Indian Railways has commissioned one wind mill plant of 10.5 Mega Watt (MW) capacity for Integral Coach Factory (ICF), Chennai on 31.03.2009 in Tamil Nadu. Two wind mill power plants of 10.5 MW capacity each one in Jaisalmer (Rajasthan) for North Western Railway and other in Tamil Nadu for Southern Railway have been sanctioned.

Indian Railways further proposes to setup wind mill plants of 72 MW capacity in the states of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and West Bengal.

Indian Railways is also harnessing solar power by providing solar Photo Voltaic (PV) modules of varying capacities at Railway stations, office buildings, training institutes and level crossing gates.