

**GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA**

STARRED QUESTION NO:498

ANSWERED ON:29.04.2010

HARNESSING NON CONVENTIONAL ENERGY BY RAILWAYS

Panda Shri Baijayant

Will the Minister of RAILWAYS be pleased to state:

- (a) whether the Railways have developed solar energy modules for use on manned level crossings in the country;
- (b) if so, the details thereof;
- (c) whether the Railways are promoting the use of new and renewable sources of energy and have developed wind mills to harness wind energy; and
- (d) if so, the details thereof alongwith the generating capacity of the wind mills?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF RAILWAYS (KUMARI MAMATA BANERJEE)

(a) to (d): A Statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. 498 BY SHRI BAIJAYANT JAY PANDA TO BE ANSWERED IN LOK SABHA ON 29.04.2010 REGARDING HARNESSING NON-CONVENTIONAL/ENERGY BY RAILWAYS.

(a) & (b): No Madam, Indian Railways has not developed any specific solar module for manned level crossings. However, solar based lighting systems are being provided on manned level crossings based on specification approved by Ministry of New and Renewable Energy (MNRE). Indian Railways has completed electrification of more than 2000 manned level crossings with solar based lighting system so far.

(b) & (d): Yes, Madam. Indian Railways has initiated various measures to promote use of new and renewable resources of energy including harnessing of solar and wind energy. Indian Railways has installed 10.5 Mega Watt (MW) capacity wind mill consisting of 7 units, each of 1.5 MW capacity, at Kasturirangapuram and Urumangalam Village, Tirunelveli District in Tamil Nadu on 30th March 2009 at the cost of Rs. 66.05 crore to meet the electricity requirement of Integral Coach Factory (ICF), Perambur. This plant has generated 23.78 million kilo watt hours of electricity in the year 2009-10. In addition, solar based water heating system of different capacity have been installed at many training institutes, running rooms, rest houses and railway quarters.