

**GOVERNMENT OF INDIA  
COMMUNICATIONS AND INFORMATION TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:1736

ANSWERED ON:22.08.2012

GREEN ENERGY FOR MOBILE TOWERS L

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**Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:**

- (a) the number of mobile towers in the country which are powered by Renewable Energy Sources or Green Energy, operator-wise including BSNL and State-wise;
- (b) whether the Government has worked out the capital requirement and incentive for use of Renewable Energy Technology (RET) in view of the high upfront cost;
- (c) if so, the details thereof; and
- (d) the time by which the RET powered Mobile Towers are likely to be operational in the country?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI MIUND DEORA)

(a) The number of mobile towers in the country powered with Renewable Energy Sources are,

BSNL- 20 (Gujarat - 1, Karnataka - 1, Maharashtra - 2, Orissa - 1,  
Tamilnadu- 1, Bihar- 1, Chhattisgarh- 1, Haryana-2, Jammu  
& Kashmir - 1, Jharkhand - 1, Punjab - 1, Rajasthan - 1, West  
Bengal - 1, North East - 3, Kerala - 2)

MTNL- 1 (Delhi-1)  
Other Mobile Operators - 4000 (around)#

# The breakup state-wise and operator-wise are not available.

- (b) Yes Madam, Government has undertaken 20 pilot projects on Renewable Energy Technology and has worked out the capital requirement for use of Renewable Energy Technology in telecom sector. No incentive scheme exists for use of Renewable Energy Technology in telecom sector at present.
- (c) Capital required for use of Renewable Energy Technologies to power one Mobile Base Terminal Station is Rs. 10-12 Lakhs.
- (d) BSNL - 104 Renewable Energy Technology powered mobile towers are likely to be operational by 31 October 2012.

The TRA1 recommendations on Green Energy applications have been approved by Government and Department issued directives to the licensees / all ILO service providers to adopt measures to green the Telecom sector by Hybrid power [Renewable energy technologies (RET) + Grid power] of at least 50% of all rural towers and 20% of urban towers by 3015 and 75% of rural towers and 33% of urban towers by 2020.