

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

UNSTARRED QUESTION NO:2160
ANSWERED ON:09.03.2011
DIESEL GENERATORS IN MOBILE TOWERS
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Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

- (a) the number and percentage of mobile towers being powered by diesel generators in the country, State-wise;
- (b) whether any study has been conducted by the Government to assess the quantum of carbon emissions from these towers;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) whether the telecom companies have ever been asked to declare their green house gas emissions and if not, the reasons therefor; and
- (e) the steps taken proposed to be taken by the Government to reduce the carbon footprint of the industry?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (SHRI SACHIN PILOT)

- (a) There are 5.88 lakhs Telecom BTS Towers in the country. The breakup is as under:

S. No. Licensed Service Area /State No. of BTS

1. Assam	9771
2. Andhra Pradesh	47458
3. Bihar	36911
4. Chennai	14718
5. Delhi	18455
6. Gujarat	36420
8. Haryana	15161
9. Himachal Pradesh	5811
10. Jammu & Kashmir	8235
11. Karnataka	41502
12. Kerala	26812
13. Kolkata	15434
14. Madhya Pradesh	34874
15. Maharashtra	41306
16. Mumbai	19313
17. North East	5750
18. Orissa	18680
19. Punjab	23957
20. Rajasthan	30183
21. Tamilnadu	37638
22. Uttar Pradesh (East)	40626
23. Uttar Pradesh (West)	32277
24. West Bengal	26785
Total	588077

Due to non-availability of power round the clock, the operators depend on diesel generator to power the Cellular Towers across the country.

- (b) & (c) No study has been conducted by the Government to assess the quantum of carbon emissions from these towers.

- (d) The telecom companies have never been asked to declare their green house gas emissions.

(e)

- (i) Pilot project for solar & solar-wind hybrid system to power the Mobile Base Terminal Stations are being carried out to examine the technical feasibility and reduction in generator operating hours and carbon footprint.

(ii) USOF is providing subsidy support on pilot basis in 5000 villages for setting up solar based charging centre for recharging mobile phones in co-ordination with TER's "Lighting a billion lives" programme.