

**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS**

**LOK SABHA  
UNSTARRED QUESTION NO.4177  
TO BE ANSWERED ON 21<sup>ST</sup> MARCH, 2018**

**SOLAR ENERGY DRIVEN MOBILE TOWERS**

†4177. DR. RAVINDRA KUMAR RAY:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether the Government proposes to make all the mobile towers of BSNL and MTNL run on solar energy;
- (b) if so, the details thereof;
- (c) if not, the reasons therefor; and
- (d) the number of BSNL and MTNL mobile towers which are powered by solar energy; State/UT-wise?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &  
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS  
(SHRI MANOJ SINHA)**

(a) to (d) At present, there is no proposal to run all mobile towers of Bharat Sanchar Nigam Limited (BSNL) and Mahanagar Telephone Nigam Limited (MTNL) on solar energy. As part of JNNSM (Jawaharlal Nehru National Solar Mission) and LWE (Left Wing Extremism) projects, BSNL has powered 2003 mobile towers through solar energy. No mobile tower of MTNL is being run on solar energy. BSNL and MTNL have informed that huge capital expenditure (CAPEX) and limitation of space in urban sites are the main constraints for installation of solar panel at all mobile sites.

The state/circle-wise details of mobile towers of BSNL, run on solar energy is at **Annexure.**

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Number of BSNL Towers which are powered by Solar Energy

S.No.	Name of Circles/State	No. of Towers powered by SPV		
		Under JNNISM	At USOF sites	Under LWE Project
1	Andhra Pradesh	0	0	57
2	Bihar	0	1	250
3	Chhattisgarh	0	1	177
4	Gujarat	0	1	0
5	Himachal Pradesh	18	1	0
6	Haryana	3	1	0
7	Jammu & Kashmir	15	1	0
8	Jharkhand	0	1	816
9	Kerala	8	0	0
10	Karnataka	3	1	0
11	Maharashtra	0	1	62
12	Madhya Pradesh	0	0	16
13	North East	15	4	0
14	Odisha	0	1	256
15	Punjab	3	1	0
16	Rajasthan	4	1	0
17	Tamil Nadu	3	1	0
18	Telengana	0	0	171
19	Uttar Pradesh	6	0	78
20	Uttarakhand	25	1	0
21	West Bengal	2	1	96
	TOTAL	105	19	1979

JNNISM: Jawaharlal Nehru National Solar Mission.

SPV: Solar Photo Voltaic

USOF: Universal Service Obligation Fund

LWE: Left Wing Extremism.

\*In other States/Circles, no tower of BSNL is running on solar energy,

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