

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
STARRED QUESTION NO. 57
TO BE ANSWERED ON 23.07.2015

WIND MILLS

***57.** DR. BHOLA SINGH:
SHRI RAVNEET SINGH:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the estimated number of wind mills and their potential/actual production of power during each of the last three years and the current year, State/UT-wise;
- (b) whether the actual production is far below than projections made and if so, the reasons therefor;
- (c) whether the Government has received any fresh proposal to setup new wind mills across various States in public and private sector;
- (d) if so, the details thereof along with the estimated cost, capacity and the locations identified for the purpose, State/UT-wise; and
- (e) the time by which the new wind mills are likely to be set up?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a),(b),(c)(d)&(e): A statement is laid on the Table of the House.

Statement referred to in reply to parts (a), (b), (c), (d), & (e) of Lok Sabha Starred Question No. 57 to be answered on 23.07.2015 regarding “Wind Mills”

(a): Around 4768 number of wind mills with an installed capacity of 6,410 MW have been installed in the country during last three years and the current year up to 30.06.2015. State/UT-wise break-up is placed at Annexure-A. Actual production of power from wind mills during last three years from cumulative capacity installed (including the capacity installed in last three years) is 96.90 billion units (BU) of electricity. State/UT-wise break-up of 96.90 BU is given at Annexure-B.

(b): No Madam. The Capacity Utilisation Factor during the year 2014-15 of the cumulative capacity installed since inception is around 19%, which is not far below the projections made by the project developers.

(c): The wind power developers submit proposals to the State governments, which is a continuous process. The major States in the wind power sector are Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Tamil Nadu.

(d): The estimated cost of wind power projects is around Rs. 6.50 crore per MW. The projects are set up at potential sites identified by the National Institute of Wind Energy (NIWE) and by private sector under wind monitoring programme.

(e): The installation of wind power projects take around one year.

ANNEXURE-A**ANNEXURE-A REFERRED TO IN REPLY TO PART (a) OF THE
LOK SABHA STARRED QUESTION NO. 57 FOR 23.07.2015****State-wise/Year-wise number of turbines and capacity installed in wind sector**

STATE	2012-13		2013-14		2014-15		2015-16*		Total	
	Nos	MW	Nos	MW	Nos	MW	Nos	MW	Nos	MW
Andhra Pradesh	162	202	224	298	201	285	29	44	616	829
Gujarat	167	208	211	280	135	191	56	85	568	764
Karnataka	162	202	138	183	225	320	1	1	526	706
Madhya Pradesh	7	9	28	37	321	456	40	61	397	564
Maharashtra	232	289	810	1075	246	350	3	4	1290	1718
Rajasthan	493	615	75	99	369	524	68	103	1005	1341
Tamil Nadu	140	175	81	107	131	186	14	21	366	488
Total	1362	1700	1566	2079	1628	2312	212	319	4768	6410

* Up to the end of June, 2015

ANNEXURE-B**ANNEXURE-B REFERRED TO IN REPLY TO PART (a) OF THE
LOK SABHA STARRED QUESTION NO. 57 FOR 23.07.2015****State-wise/Year-wise production of power from wind mills in Billion Units (BUs)**

State	2012-13	2013-14	2014-15	Total
Andhra Pradesh	0.48	0.82	1.68	2.98
Gujarat	5.85	5.29	5.66	16.80
Karnataka	4.34	4.55	4.66	13.55
Kerala	0.06	0.07	0.06	0.19
Madhya Pradesh	0.45	0.48	0.59	1.52
Maharashtra	4.67	5.73	6.81	17.20
Rajasthan	3.18	3.70	4.05	10.93
Tamil Nadu	12.95	10.64	10.15	33.74
Total Generation	31.98	31.27	33.65	96.90

Note: The information regarding generation from wind power projects for current year has not been received from CEA so far.