

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4776
TO BE ANSWERED ON 30.03.2017

PRODUCTION OF AGRICULTURAL WASTE

4776. Sh. B. S. Yediyurappa:

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

- (a) whether the Government has assessed the quantity of agricultural waste produced in the country and its utilisation for the generation of energy;
- (b) if so, the details thereof;
- (c) whether the Union Government has received any proposals from the various State Governments including Karnataka for the generation of energy through the utilisation of agricultural waste in their respective States; and
- (d) if so, the details thereof and the action taken by the Union Government thereon, State-wise?

ANSWER

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

(a) & (b): Yes Madam. A national biomass resource atlas has been prepared by IISc Bangalore under a project sponsored by MNRE. As per the atlas, Surplus Biomass Generation in the country is around 144 million tonnes per year out of total biomass generation of 500 million tonnes per year. This surplus biomass generation corresponds to a power generation potential of 18600 MWe.

(c): Yes Madam. The Ministry is currently implementing two schemes:- i) "Promotion of Grid Interactive Biomass Power and Bagasse Cogeneration in Sugar Mills" and ii) Programme on Energy from Urban, Industrial and Agricultural Wastes/Residues during 12th Plan. Under these schemes, Biomass Project Proposals are received from various states across India.

(d): The details of Biomass Project Proposals received from various states and projects sanctioned by Ministry are placed at **Annexure**.

Biomass Power/Bagasse Cogeneration

State	No. of Projects Received	Capacity (MW)	No. of Projects Sanctioned	Capacity(MW)
Andhra Pradesh	1	7.50	1	7.50
Maharashtra	31	642.88	15	293.48
Chhattisgarh	2	25	1	15
Gujarat	1	9.90	1	9.90
Uttar Pradesh	5	137.20	1	12.70
Madhya Pradesh	1	12	1	12
Karnataka	9	222	2	65
Total	50	1056.48	22	415.58

Biomass Non-Bagasse Cogeneration

State	No. of Projects Received	Capacity (MW)	No. of Projects Sanctioned	Capacity (MW)
Andhra Pradesh	11	31.07	9	26.07
Himachal Pradesh	1	1.50	1	1.50
Gujarat	1	4.25	0	0
Uttar Pradesh	7	28.85	5	21.15
Madhya Pradesh	1	1.20	0	0
Karnataka	5	20.05	2	5.50
Haryana	8	32.3	5	22.60
Punjab	8	33.6	5	13.15
West Bengal	2	9	1	5
Uttrakhand	3	22	3	22
Tamil Nadu	5	27	3	7.50
Odisha	3	2.40	3	2.40
Jharkhand	2	3.10	2	3.10
Bihar	2	13.40	0	0
Assam	1	2	1	2
Telangana	1	0.73	1	0.73
Total	61	232.45	41	132.70

Overall (Biomass Power)

State	No. of Projects Received	Capacity (MW)	No. of Projects Sanctioned	Capacity (MW)
Andhra Pradesh	12	38.57	10	33.57
Himachal Pradesh	1	1.50	1	1.50
Gujarat	2	14.15	1	9.90
Uttar Pradesh	12	166.05	6	33.85
Madhya Pradesh	2	13.2	1	12
Karnataka	14	242.05	4	70.5
Haryana	8	32.3	5	22.60
Punjab	8	33.6	5	13.15
West Bengal	2	9	1	5
Uttrakhand	3	22	3	22
Tamil Nadu	5	27	3	7.50
Odisha	3	2.40	3	2.40
Jharkhand	2	3.10	2	3.10
Bihar	2	13.40	0	0
Assam	1	2	1	2
Telangana	1	0.73	1	0.73
Maharashtra	31	642.88	15	293.48
Chhattisgarh	2	25	1	15

Total	111	1288.93	63	548.28
--------------	------------	----------------	-----------	---------------