

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION No. 601**  
TO BE ANSWERED ON 24.07.2023

**Pollution caused by Stubble Burning**

601. SHRI VIVEK NARAYAN SHEJWALKAR:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of the schemes being implemented by the Government to prevent air pollution caused by burning of stubble in various States;
- (b) the details of the facilities provided by the Government to the State Governments for management of stubble; and
- (c) whether the Government is assisting the State Governments to set up paddy straw pellet units in various areas including in thermal plants?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(SHRI ASHWINI KUMAR CHOUBEY)

(a) to (c)

To support the efforts of the Governments of Punjab, Haryana, Uttar Pradesh and NCT of Delhi to prevent air pollution caused due to stubble burning and to subsidize machinery required for management of crop residue, a central sector scheme on crop residue management has been implemented since 2018-19. Under this scheme, financial assistance @ 50% is provided to the farmers for purchase of crop residue management machinery and @ 80% is provided to Coop. Societies, FPOs and Panchayats for establishment of Custom Hiring Centres (CHC). Financial assistance to the States and ICAR is also provided for undertaking information, education and communication activities for mass awareness of farmers on crop residue management.

During the period from 2018-19 to 2022-23, Rs. 3138.17 crores have been released (Punjab – Rs.1426.45 crores, Haryana – Rs. 916.71 crores, Uttar Pradesh – Rs. 713.67 crores, NCT of Delhi – Rs. 6.05 Crores and ICAR– Rs. 75.29 crores). The states have distributed more than 2.40 lakh machines to the individual farmers and to more than 37000 CHCs in these 4 States, which also include more than 4500 Balers & Rakes which are used for collection of straw in the form of bales for further ex-situ utilization.

In 2022, the Scheme has been merged with Sub-Mission on Agricultural Mechanization (SMAM) and SMAM has been merged with Rashtriya Krishi Vikas Yojana. The state-wise and year wise funds and the number of crop residue management machines supplied to individual farmers and Custom Hiring Centers are given at **Annexure 1**.

The Government has framed guidelines for providing one-time financial assistance for establishment of paddy straw based pelletisation and torrefaction plants. Under these guidelines, individual entities /entrepreneurs / companies, interested in setting up pelletisation and torrefaction plants, using only paddy straw generated in the NCT of Delhi, States of Punjab, Haryana, NCR districts of Rajasthan and Uttar Pradesh can obtain a one-time grant on capital investment. An initial corpus of Rs. 50 crores have been earmarked for utilisation through the guidelines. A total of 5.27 crore have been sanctioned for setting up of 06 paddy based straw pelletisation and torrefaction plants with total capacity of 23.75 TPH. The pellet produced from these plants could be utilized by industries including thermal power plants.

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## State-wise and year-wise funds released

Year	Funds Released (Rs. in Crores)					
	Punjab	Haryana	Uttar Pradesh	NCT of Delhi	ICAR & Others	Total
2018-19	269.38	137.84	148.60	0.00	28.51	584.33
2019-20	273.80	192.06	105.28	4.52	18.48	594.14
2020-21	272.50	170.00	120.20	0.00	8.00	570.70
2021-22	331.94	193.35	159.59	0.00	6.02	690.90
<b>Total</b>	<b>1147.62</b>	<b>693.25</b>	<b>533.67</b>	<b>4.52</b>	<b>61.01</b>	<b>2440.07</b>

## Number of crop residue management machines supplied to individual farmers and Custom Hiring Centers

S. No.	Parameters	Punjab	Haryana	Uttar Pradesh	NCT of Delhi	Total
1	Number of machines supplied to individual farmers	30695	27661	34072	247	92675
2	Number of machines supplied to Custom Hiring Centres	54691	31446	21639	0	107776
3	Number of Custom Hiring Centres Established	25403	6775	7213	0	39391
4	Grand total of machines supplied to individual farmers and Custom Hiring Centres	85386	59107	55711	247	200451

State/ Agency	Number of Machines delivered to the individual farmers and Custom Hiring Centres					No. of Custom Hiring Centres Established				
	2018-19	2019-20	2020-21	2021-22	Total	2018-19	2019-20	2020-21	2021-22	Total
<b>Punjab</b>	2774 7	2306 8	2454 0	1003 1	85386	3888	5140	1210 0	4275	2540 3
<b>Haryana</b>	1062 7	1407 8	1535 0	1905 2	59107	1194	1685	1345	2551	6775
<b>Uttar Pradesh</b>	2330 6	7054	1365 1	1170 0	55711	2300	1650	1652	1611	7213
<b>NCT of Delhi</b>	0	111	51	85	247	0	0	0	0	0
<b>Total</b>	<b>6168 0</b>	<b>4431 1</b>	<b>5359 2</b>	<b>4086 8</b>	<b>20045 1</b>	<b>7382</b>	<b>8473</b>	<b>1510 6</b>	<b>8437</b>	<b>3939 1</b>