

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

**RAJYA SABHA**  
**STARRED QUESTION NO. 153**  
TO BE ANSWERED ON 13/02/2026

**AVAILABILITY OF MACHINERY AND EQUIPMENT UNDER CRM SCHEME**

\*153. DR. LAXMIKANT BAJPAYEE:

Will the Minister of AGRICULTURE & FARMERS WELFARE be pleased to state:

- (a) to what extent the Crop Residue Management(CRM) Scheme implemented by Department of Agriculture & Farmers Welfare (DA&FW) has been successful, the details of review of this Scheme;
- (b) the details of various types of machinery and equipment and their cost, available for the management of crop residue in the country;
- (c) the details of such machinery made available / purchased by farmers, societies, centres, etc, in the last three years, State-wise; and
- (d) the percentage of crop that has been managed through such machinery in the North Indian States in the last three years?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE  
(SHRI SHIVRAJ SINGH CHOUHAN)

(a) to (d): A statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF RAJYA SABHA  
STARRED QUESTION NO. 153 DUE FOR REPLY ON 13/02/2026 REGARDING  
AVAILABILITY OF MACHINERY AND EQUIPMENT UNDER CRM SCHEME**

(a) to (d): The Department of Agriculture & Farmers Welfare, (DA&FW) is implementing Crop Residue Management Scheme from 2018-19 to support efforts of the State Governments of Punjab, Haryana, Uttar Pradesh, Madhya Pradesh & NCT of Delhi to address air pollution caused due to paddy stubble burning and to subsidize machinery required for management of crop residue.

The scheme promotes the usage of machines such as Super Straw Management Systems, Happy Seeder, Super Seeder, Smart Seeder, Surface Seeder, Zero Till Seed cum Fertilizer Drill, Mulcher, Shrub Master/Rotary Slasher, Paddy Straw Chopper, Hydraulically Reversible Mould Board Plough, Crop Reapers and Reaper Binders for in-situ management of paddy straw and Balers & Straw Rakes etc. for ex-situ management of paddy straw. Financial assistance @ 50% of the cost of machinery is provided to the farmers for purchase of these identified machinery on individual ownership basis and financial assistance @ 80% of the project cost is provided to the Rural Entrepreneurs (Rural youth and farmer as an entrepreneur), Cooperative Societies of Farmers (Agriculture/ Horticulture/Makhana etc.), Deendayal Antyodaya Yojana - National Rural Livelihood Mission (DAY-NRLM) Cluster Level Federations (CLFs) and Self Help Groups (SHGs), Farmer Producer Organizations (FPOs) and Panchayats for establishment of Custom Hiring Centres of crop residue management machinery.

With a view to enable efficient ex-situ management of paddy straw, provisions have been made to establish techno-commercial projects for paddy straw supply chain with a flexibility in financial contribution of beneficiary/ aggregator (Farmers, Rural entrepreneurs, Cooperative Societies of farmers, Farmers Producer Organizations (FPOs) and Panchayats) and Industries utilizing the paddy straw. The Government provides financial assistance @ 65% on the capital cost of machinery costing up to Rs. 1.50 crores. The intervention aims at establishing a robust supply chain of paddy straw for various end user industries in biomass power generation and biofuel sectors.

Under the scheme, the funds are also provided to the State Governments and Krishi Vigyan Kendras (KVKs) of Indian Council of Agricultural Research (ICAR) for undertaking Information, Education and Communication (IEC) activities on a massive scale for creating awareness among farmers.

During the period from 2018- 19 to 2025-26 (as on 10.02.2026), Rs. 4173.84 crores have been released under the scheme (Punjab - Rs. 2026.45 crores, Haryana - Rs. 1156.71 crores, Uttar Pradesh - Rs. 838.67 crores, Madhya Pradesh - Rs. 45.00 crores, NCT of Delhi - Rs. 6.05 Crores, ICAR- Rs. 93.235 crores & others Rs. 7.7205 Crores).

The cost of crop residue management machinery vary significantly based on type, size, brand, and regional factors. The rates of maximum financial assistance on these machines is fixed and periodically revised based on their average market prices. The list of machines and equipments promoted under the scheme and the maximum financial assistance provided for purchase of these machines on individual ownership basis by the farmers @ 50% of their cost and for establishment of CHCs @ 80% of the machine cost is enclosed as Annexure-I.

During the period from 2018-19 to 2025-26 (as on 10.02.2026), the states have distributed more than 3.50 lakh machines to the individual farmers and to the CHCs established in these States. The State-wise details are as under:

State/ Agency	Total number of machines distributed to individual farmers & CHCs
Punjab	160296
Haryana	110767
Uttar Pradesh	76135
NCT of Delhi	247
Madhya Pradesh	3205
<b>Total</b>	<b>350650</b>

As per the information provided by the State Governments, around 19 million tons of paddy straw has been managed in the year 2025 by the machines provided under the scheme in the State of Punjab. In the State of Haryana, out of the total registered paddy area of 15.91 lakh hectares, about 13.90 lakh hectares has been managed using machines provided under the scheme. In the State of Uttar Pradesh, approximately 27.75% of the paddy straw is being managed through ex-situ management machinery and 24.21% of the paddy straw is being managed through utilization of in-situ crop residue management machines.

The active fire events due to paddy residue burning was monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data" by Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory, Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi. The State-wise and year-wise incidents of paddy stubble burning are given as under:

State	Incidences of Paddy Stubble Burning in the States (Numbers)								
	2017	2018	2019	2020	2021	2022	2023	2024	2025
Punjab	67079	59664	50735	83002	71304	49922	36650	10909	5114
Haryana	13085	9227	6364	4202	6987	3661	2296	1406	662
UP whole (UP NCR)	8784 (492)	6623 (208)	4230 (204)	4631 (407)	4242 (252)	3017 (198)	3985 (212)	6142 (414)	7290 (281)
<b>Total</b>	<b>88948</b>	<b>75514</b>	<b>61329</b>	<b>91835</b>	<b>82533</b>	<b>56600</b>	<b>42931</b>	<b>18457</b>	<b>13066</b>

There is a visible reduction in the paddy residue burning events and the same have reduced by 92.4% in Punjab, 94.9% in Haryana & 17.0% in Uttar Pradesh in year 2025 when compared with the year 2017.

**Pattern of Assistance and Maximum Permissible Subsidy on crop residue management machines**

S. No.	Name of the machine/equipment	Purchase of machines by the farmers on individual ownership basis		Purchase of machines for establishing CHCs	
		Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary inclusive of GST, (Rs.)	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment inclusive of GST, (Rs.)
1	Tractor 60 HP and above	--	--	80%	9,60,000
2	<b>Super Straw Management System (Super SMS) to be attached with Combine Harvester</b>	50%	59,700	80%	95,520
3	<b>Happy Seeder</b>				
	a) 09 tine	50%	81,400	80%	1,30,240
	b) 10 tine	50%	84,150	80%	1,34,640
	c) 11 tine	50%	86,350	80%	1,38,160
	d) 12 tine	50%	90,200	80%	1,44,320
4	Smart Seeder	50%	1,10,000	80%	1,76,000
5	<b>Paddy Straw Chopper/ Shredder/Mulcher</b>				
	a) Mounted type (Straw Chopper & Mulcher)				
	i) 5 ft	50%	72,500	80%	1,16,000
	ii) 6 ft	50%	85,800	80%	1,37,280
	iii) 7 ft	50%	90,200	80%	1,44,320
	iv) 8 ft	50%	95,700	80%	1,53,120
	b) Trailed type	50%	1,47,100	80%	2,35,360
6	<b>Shrub Master/Rotary Slasher</b>	50%	27,500	80%	44,000
7	<b>Hydraulic Reversible M.B. Plough</b>				
	a) Two bottom	50%	70,500	80%	1,12,800
	b) Three bottom	50%	91,500	80%	1,46,400
	c) Four bottom	50%	1,25,400	80%	2,00,640
8	<b>(a) Zero Till Seed cum Fertilizer Drill (b) Spatial Zero Till Drill</b>				
	9 tine	50%	24,800	80%	39,680
	11 tine	50%	28,200	80%	45,120
	13 tine	50%	30,800	80%	49,280

	15 tine	50%	33,000	80%	52,800
9	<b>Super Seeder</b>	50%	1,20,000	80%	1,92,000
10	<b>Surface Seeder</b>	50%	44,000	80%	70,400
11	<b>Baling Machines</b>				
	Balers (Round – Mini – upto 16 kg per bale)	50%	2,20,000	80%	3,52,000
	Balers (Round – Medium –above 16-25 kg per bale)	50%	2,39,500	80%	3,83,200
	Balers (Round –big- 180-200 kg per bale)	50%	9,90,000	80%	15,84,000
	Baler (Rectangular 18-20 kg per bale)	50%	6,60,000	80%	10,56,000
	Straw Rake	50%	1,65,000	80%	2,64,000
12	<b>Crop Reaper</b>				
	(a) Tractor mounted	50%	82,500	80%	1,32,000
	(b) Self-Propelled	50%	90,000	80%	1,44,000
	Self-Propelled reaper cum Binder (3 wheel)	50%	1,92,500	80%	3,08,000
	Self-Propelled reaper cum Binder (4 wheel)	50%	2,60,000	80%	4,16,000
13	Tractor Mounted Loader (Without Tractor)	50%	3,05,000	80%	4,88,000
14	Tractor Drawn Tedder Machine	50%	2,62,000	80%	4,20,000

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