

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

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1004**  
TO BE ANSWERED ON THE 13<sup>TH</sup> DECEMBER 2022

**FARM MECHANIZATION TO CURB POLLUTION**

1004. DR. KALANIDHI VEERASWAMY:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government is cognizant of the role of farm mechanization in tackling the issue of Air Pollution arising from stubble burning;
- (b) if so, the details of central schemes or programs implemented on the same and if not, the reasons therefor;
- (c) the details of the subsidies on farm machinery along with its breakup, State/UT-wise;
- (d) the details of the funds disbursed by the Government in the last three years, towards these subsidies, year-wise;
- (e) the details of the total number of Custom Hiring Centres, district-wise;
- (f) the details of the average amount of funds required to establish Custom Hiring Centres; and
- (g) whether the Government is monitoring the efficacy of Custom Hiring Centres in the promotion of farm mechanization and if so, the details thereof and if not, the reasons therefor?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) to (g): Stubble burning is mainly practiced in Indo-gangetic plains of the States of Punjab, Haryana and Uttar Pradesh to clear the fields for Rabi Crop sowing. To support the efforts of the Governments of Punjab, Haryana, Uttar Pradesh and NCT of Delhi to address air pollution and to subsidize machinery required for management of crop residue, a Central Sector Scheme on 'Promotion of Agricultural Mechanization for In-Situ Management of Crop Residue in the States of Punjab, Haryana, Uttar Pradesh and NCT of Delhi' is being implemented from 2018-19. The scheme promotes the usage of machines for stubble management such as Super Straw Management Systems, Happy Seeder, Super Seeder, Smart 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 crop residue and Balers & Straw Rakes which are used for straw collection in the form of bales for other ex-situ uses of straw. Financial assistance @ 50% of the cost of machinery is provided to the farmers for purchase of these identified crop residue management machinery and financial assistance @ 80% of the project cost is provided to the Cooperative Societies of Farmers, Farmers Producers Organization (FPOs) and Panchayats for establishment of Custom Hiring Centres (CHCs) of these identified crop residue management machinery. The States have established more than 37000 Custom Hiring Centres (CHCs) and more than 2.30 lakh crop residue management machines have been supplied to these CHCs and individual farmers of these States. The details of State-wise funds released during each of the last five years is as under:

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
2022-23	278.83	223.46	180.00	1.53	14.28	698.10
Total	1426.45	916.71	713.67	6.05	75.29	3138.17

The maximum permissible project cost of CHC under the above stated scheme in conjunction with the Sub-Mission on Agricultural Mechanization Scheme @ 80% subsidy is limited to Rs. 15 lakhs per CHC. The impact evaluation study of the scheme was conducted by The Energy and Resources Institute (TERI) in 2020 with one of the key objectives to assess the average use of each machine by different entities such as individual farmers, societies, and CHCs. The study revealed that 90% of CHCs were freely exchanging the CRM machines for utilization among member farmers without any rental charges. As per the information received from the State Governments, the district-wise number of CHCs established since 2018-19 to 2022-23 is given in Annexure-I.

## Annexure-I

Statement referred in reply to Lok Sabha Un-Starred Question No. 1004 due for reply on 13<sup>th</sup> December 2022.

District-wise number of CHCs established since 2018-19 to 2022-23

<b>Punjab</b>		<b>Haryana</b>	
<b>District</b>	<b>No. of CHCs</b>	<b>District</b>	<b>No. of CHCs</b>
Amritsar	611	Karnal	784
Barnala	997	Kaithal	1042
Bathinda	2086	Jind	863
Faridkot	1282	Kurukshetra	756
Fatehgarh Sahib	253	Fatehabad	855
Fazilka	1074	Sirsa	824
Firozpur	2147	Ambala	266
Gurdaspur	1002	Yamunanagar	253
Hoshiarpur	518	Hisar	255
Jalandhar	1354	Rohtak	118
Kapurthala	1119	Palwal	87
Ludhiana	907	Bhiwani	64
Mansa	1510	Jhajjar	122
Moga	683	Panchkula	7
Muktsar	3037	Panipat	186
Pathankot	45	Sonapat	238
Patiala	975	Rewari	9
Ropar	190	Faridabad	7
Rupnagar	1230	Mewat	19
Sangrur	114	Charkhi Dadri	19
SAS Nagar	281	Gurugram	1
SBS Nagar	1494	Mahendergarh	0
Tarn Taran	611	<b>Total</b>	<b>6775</b>
<b>Total</b>	<b>23520</b>		

<b>Uttar Pradesh</b>			
<b>District</b>	<b>No. of CHCs</b>	<b>District</b>	<b>No. of CHCs</b>
Agra	133	Jaunpur	52
Aligarh	118	Jhansi	108
Ambedkarnagar	47	Kannauj	20
Amethi	53	Kanpur dehat	82
Amroha	229	Kanpur Nagar	38
Auraiya	25	Kashganj	21
Ayodhya	48	Kaushambi	45
Azamgarh	91	Kushinagar	75
Badaun	65	Lakhimpur Kheri	174
Baghpat	103	Lalitpur	106
Bahraich	58	Lucknow	120
Balia	44	Maharajganj	109
Balrampur	37	Mahoba	121
Banda	28	Mainpuri	32
Barabanki	144	Mathura	149
Bareilly	110	Mau	25
Basti	169	Meerut	88
Bhadohi	18	Mirzapur	56
Bijnor	373	Moradabad	84
Bulandshahar	407	Muzaffarnagar	336
Chandauli	57	Pilibhit	230
Chitrakoot	20	Pratapgarh	51
Deoria	95	Prayagraj	57
Etah	31	Raibareilly	39
Etawah	59	Rampur	155
Farrukhabad	33	Saharanpur	285
Fatehpur	124	Sambhal	58
Firozabad	73	Sant kabirnagar	51
Gautambuddhnagar	56	Shahjahanpur	202
Ghaziabad	32	Shamli	123
Ghazipur	66	Shrawasti	54
Gonda	176	Siddharthnagar	43
Gorakhpur	85	Sitapur	136
Hamirpur	133	Sonbhadra	20
Hapur	57	Sultanpur	81
Hardoi	208	Unnao	64
Hathras	25	Varanasi	24
Jalaun	61	<b>Total:</b>	<b>7205</b>

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