

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

LOK SABHA
UNSTARRED QUESTION NO. 469
TO BE ANSWERED ON THE 6th FEBRUARY, 2024

PRODUCTION OF BAMBOO

469: SHRI ARUN KUMAR SAGAR:

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

- (a) whether the Bamboo trees release 30 per cent more oxygen than the other trees and absorb carbon dioxide according to Botany;
- (b) if so, the details thereof ;
- (c) whether the Government has taken or propose to take any steps to increase the production of bamboo in the country particularly in the Parliamentary Constituency of Shahjahanpur in Uttar Pradesh which is environmentally favourable for bamboo production;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI ARJUN MUNDA)

(a) & (b): Bamboo like any woody plants absorbs carbon dioxide through carbon sequestration and store in woody stem, branches, leaves and rhizomes etc. Carbon sequestration is the capturing, removal and storage of carbon dioxide (CO₂) from the earth's atmosphere. As per scientific reports, the ability of carbon sequestration of bamboo varies from species to species, for example, in *Bambusa tulda*, carbon sequestration is at a rate of 27.79 ton/ha/year in Indian conditions.

(c) & (d): The Department of Agriculture & Farmers Welfare is implementing Restructured National Bamboo Mission (NBM) since 2018-19 for the development of complete value chain of bamboo sector to link growers with consumers. Bamboo plantation under NBM is being carried out in non-forest Government land and private farmer's field. Presently, NBM is being implemented in the 23 States including Uttar Pradesh and UT of Jammu & Kashmir. So far, an area of 46617 ha bamboo plantation has been achieved under restructured NBM. The State-wise details of the plantation taken up in non-forest area under NBM is at **Annexure-I**.

The scheme is implemented in cluster mode. In Shahjahanpur District of Uttar Pradesh, 28 ha of Bamboo Plantation and one big nursery producing 25000 saplings annually have been established as a part of Bareilly cluster.

(e): Does not arise.

Annexure I

Annexure to the Lok Sabha Unstarred Question No. 469 due for answer on 06.02.2024.

State-wise details of Area covered under Bamboo Plantation in Non-Forest Area under erstwhile-NBM & Restructured National Bamboo Mission

Area in ha.

Sr. No	State/UT	Erstwhile- NBM	Restructured National Bamboo Mission
		2006-2017	2018 to 2023 (as on 31.01.2024)
1	Arunachal Pradesh	23982	600
2	Assam	2800	1485
3	Bihar	1507	48
4	Chhattisgarh	6274	1965
5	Gujarat	4967	1730
6	Himachal Pradesh	1228	121
7	Jharkhand	112	67
8	Karnataka	588	7561
9	Kerala	254	150
10	Madhya Pradesh	4564	19249
11	Maharashtra	2593	5381
12	Manipur	31498	1315
13	Meghalaya	917	36
14	Mizoram	18072	770
15	Nagaland	-	474
16	Odisha	4315	459
17	Sikkim	8689	1115
18	Tamil Nadu	2838	559
19	Telangana	-	1048
20	Tripura	3167	436
21	Uttar Pradesh	2095	886
22	Uttarakhand	1058	1162
	Total	122212	46617
