

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS
RAJYA SABHA
UNSTARRED QUESTION NO- 723
ANSWERED ON- 08/02/2023**

USE OF WASTE MATERIAL IN CONSTRUCTION OF NHS

723. SHRI V. VIJAYASAI REDDY:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

- (a) whether it is a fact that Andhra Pradesh is one of the leading States where plastic is extensively being used for construction of National Highways;
- (b) if so, details thereof, State-wise, during the last five years, year-wise;
- (c) status of use of fly ash, iron and steel slag, construction and demolition waste in construction of NHs; and
- (d) efforts being taken by Government for use of above mentioned waste extensively in NHs?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) & (b) State-wise and year-wise length of National Highways built using waste plastic including in the State of Andhra Pradesh is annexed.

(c) More than 359 lakh Metric Ton (MT) fly ash and 7.28 lakh MT construction and demolition (C&D) waste has been used in construction of National Highways. Length of National Highways constructed using iron and steel slag is 68 km.

(d) Policy guidelines have been issued by the Ministry and standards/manuals have been published by Indian Roads Congress (IRC) to utilize waste plastic and other waste materials such as fly ash, iron and steel slag, construction and demolition (C&D) waste, etc., in construction of National Highways.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (a) and (b) OF RAJYA SABHA UNSTARRED QUESTION NO. 723 ANSWERED ON 08TH FEBRUARY, 2023 ASKED BY SHRI V. VIJAYASAI REDDY REGARDING USE OF WASTE MATERIAL IN CONSTRUCTION OF NHS.

| S. No | State | Length of National Highways in which waste plastic is used. (in km) | | | | |
|-------|---------------------|--|---------|---------|---------|------------------------------|
| | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 (up to Jan, 2023) |
| 1 | Andhra Pradesh | 0.00 | 2.61 | 78.31 | 95.61 | 32.87 |
| 2 | Andaman and Nicobar | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 3 | Arunachal Pradesh | 0.00 | 1.50 | 9.09 | 0.00 | 0.00 |
| 4 | Assam | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 |
| 5 | Chhattisgarh | 0.00 | 0.00 | 0.13 | 20.25 | 86.00 |
| 6 | Haryana | 0.00 | 14.27 | 102.48 | 39.54 | 15.87 |
| 7 | Goa | 0.00 | 0.00 | 38.10 | 0.00 | 0.00 |
| 8 | Gujarat | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 |
| 9 | Jammu | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | Jharkhand | 0.00 | 2.66 | 0.00 | 0.00 | 0.00 |
| 11 | Himachal Pradesh | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 |
| 12 | Kerala | 0.00 | 0.00 | 11.25 | 20.46 | 13.40 |
| 13 | Karnataka | 5.00 | 40.65 | 267.85 | 111.30 | 97.00 |
| 14 | Madhya Pradesh | 7.18 | 17.63 | 32.32 | 10.34 | 64.83 |
| 15 | Maharashtra | 0.00 | 3.68 | 48.45 | 4.02 | 12.19 |
| 16 | Manipur | 0.00 | 3.47 | 0.00 | 5.00 | 0.00 |
| 17 | Odisha | 0.00 | 0.00 | 10.20 | 4.70 | 0.90 |
| 18 | Punjab | 0.00 | 0.00 | 0.00 | 13.65 | 0.00 |
| 19 | Rajasthan | 0.00 | 173.80 | 2.17 | 14.45 | 3.70 |
| 20 | Tamil Nadu | 11.05 | 1.00 | 13.49 | 8.93 | 0.50 |
| 21 | Telangana | 0.00 | 3.81 | 12.15 | 6.06 | 4.79 |
| 22 | Uttar Pradesh | 0.00 | 71.25 | 329.51 | 418.67 | 343.94 |
| 23 | Uttarakhand | 0.00 | 0.00 | 38.13 | 0.00 | 0.00 |
| 24 | West Bengal | 0.00 | 7.72 | 5.00 | 1.00 | 1.00 |
