

GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

**LOK SABHA**  
**UNSTARRED QUESTION NO. 702**  
ANSWERED ON 7<sup>TH</sup> FEBRUARY, 2019

**RUBBERIZED-BITUMEN FOR CONSTRUCTION**

702. DR. HEENA VIJAYKUMAR GAVIT:  
SHRI DHANANJAY MAHADIK:  
SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:  
SHRI SATAV RAJEEV:  
DR. J. JAYAVARDHAN:  
SHRIMATI SUPRIYA SULE:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS  
सडक परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) the total length of rubberized roads constructed in the country during the last three years and the current year, State-wise along with the expenditure incurred thereon;
- (b) whether the Government has conducted any study regarding the difference between bituminous and rubberized roads and if so, the details thereof;
- (c) whether the Government/National Highways Authority of India (NHAI) are contemplating to use rubberized bitumen in the construction of National Highway roads in the country and if so, the details thereof;
- (d) whether most of the roads under NHAI are in bad condition leading to fatal accidents; and
- (e) if so, the details thereof and the action taken/being taken by the Government to construct quality roads in the country?

**ANSWER**

THE MINISTER OF STATE IN THE  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

(SHRI MANSUKH L. MANDAVIYA)

(a) The State-wise rubberized roads which have been constructed during the last three year and as on 31<sup>st</sup> Dec 2018 in current financial year are given in Annexure-I. And the expenditure is not incurred separately so the overall expenditure incurred during the last three year and current year is given in Annexure-II.

(b) to (c) No such study has been done during the last three years. Ministry & National Highway Authority of India are contemplating to use rubberized bitumen as per the IRC SP-53-2010 i.e. Guidelines on use of Modified Bitumen in Road Construction.

(d) to (e) Development and maintenance of National Highways is a continuous process and they are kept in traffic worthy condition. Works of National Highway are executed duly following the specifications and standards laid down by Ministry of Road Transport & Highways (MoRT&H) and Indian Road Congress (IRC). To ensure that the works are executed as per prescribed specifications and standards, Consultants are appointed by Ministry and its agencies for day to day supervision of the works at site. Officials of Ministry/National Highways Authority of India/National Highways & Infrastructure Development Corporation Limited also carries out quality checks of the works executed on random basis and deficiencies, if any, observed during such examination / inspection are brought to the notice of the Concessionaire / Contractor for corrective measures. The Authority Engineer/ Independent Engineer along with the road safety experts are also engaged for Audit & Quality check of roads to ensure road safety & its construction quality. In case of any defaults, actions against the defaulting agencies are taken as per the provisions of agreement.

## ANNEXURE-I

ANNEXURE REFERRED TO IN PART (a) OF REPLY TO LOK SABHA UNSTARRED QUESTION NO. 702 FOR ANSWER ON 07.02.2019 ASKED BY DR. HEENA VIJAYKUMAR GAVIT, SHRI DHANANJAY MAHADIK, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO, SHRI SATAV RAJEEV, DR. J. JAYAVARDHAN AND SHRIMATI SUPRIYA SULE REGARDING RUBBERIZED-BITUMEN FOR CONSTRUCTION.

The State-wise rubberized roads which have been constructed during the last three year and as on 31<sup>st</sup> Dec in current financial year

S No	State/UTs	Rubberized Roads Constructed Length (km)			
		2015-16	2016-17	2017-18	2018-19
1	Assam	15.55	0.00	0.00	0.00
2	Kerala	23.10	7.52	25.1	77.8
3	Maharashtra/Goa	41.40	39.06	46.23	18.87
4	Tamil Nadu	66.27	218.94	92.74	258.89
5	Telangana/Puducherry	233.89	74.33	33.29	47.00
	<b>Total</b>	<b>380.21</b>	<b>339.85</b>	<b>197.36</b>	<b>402.56</b>

**ANNEXURE-II**

ANNEXURE REFERRED TO IN PART (a) OF REPLY TO LOK SABHA UNSTARRED QUESTION NO. 702 FOR ANSWER ON 07.02.2019 ASKED BY DR. HEENA VIJAYKUMAR GAVIT, SHRI DHANANJAY MAHADIK, SHRI MOHITE PATIL VIJAYSINH SHANKARRAO, SHRI SATAV RAJEEV, DR. J. JAYAVARDHAN AND SHRIMATI SUPRIYA SULE REGARDING RUBBERIZED-BITUMEN FOR CONSTRUCTION.

The State-wise expenditure incurred in the development of National Highways during the last three year and current financial year

Sl. No.	States/UTs/Schemes/Agency (Sl. 1 to 33 contains allocation under NH(O), NHDP-IV through State PWD, EAP, PBFF)	Expenditure (Rs Crore)			
		2015-16	2016-17	2017-18	2018-19 up to Dec
1	Andhra Pradesh	1,000.43	2,014.50	1,780.70	1,435.95
2	Arunachal Pradesh	1.83	90.66	62.05	65.73
3	Assam	78.09	137.80	307.75	2.42
4	Bihar	707.86	1,331.61	1,523.88	1,106.79
5	Chhattisgarh	339.80	1,495.68	1,071.58	940.84
6	Goa	119.98	434.51	527.48	709.74
7	Gujarat	225.77	213.41	163.29	241.03
8	Haryana	89.85	161.27	105.17	273.65
9	Himachal Pradesh	139.96	182.14	305.69	260.64
10	Jammu & Kashmir	22.86	23.16	35.44	30.82
11	Jharkhand	38.08	212.50	260.88	252.88
12	Karnataka	639.55	871.96	1,202.70	1,264.00
13	Kerala	137.65	237.80	171.74	197.32
14	Madhya Pradesh	928.29	1,558.90	854.79	1,190.16
15	Maharashtra	423.28	1,154.00	2,964.15	5,745.00
16	Manipur	40.00	18.65	75.47	37.22
17	Meghalaya	15.00	28.44	28.28	0.00
18	Mizoram	28.50	46.13	41.00	64.77
19	Nagaland	46.27	38.84	38.27	154.13
20	Odisha	592.24	951.35	717.08	576.84
21	Punjab	1,855.24	2,702.48	745.80	571.25
22	Rajasthan	849.56	1,012.99	886.08	829.14
23	Sikkim	0.00	0.00	5.09	0.00
24	Tamil Nadu	336.47	640.11	664.48	726.64
25	Telangana	657.10	358.43	409.93	856.26
26	Tripura	0.00	2.38	61.00	0.00
27	Uttar Pradesh	1,527.74	1,820.85	1,106.96	1,525.20
28	Uttarakhand	245.69	314.48	980.14	752.29
29	West Bengal	811.98	1,223.19	1,184.69	741.09
30	Andaman & Nicobar Islands	1.53	0.13	0.00	0.00
31	Chandigarh	0.00	0.69	5.30	0.59
32	Delhi	0.00	0.62	23.01	0.00
33	Puducherry	18.10	14.28	13.63	9.54
34	Other projects under NH(O)*	445.55	779.72	211.92	1.10
35	NHAI-Cess	15,420.00	2,326.50	12,429.45	11,069.00
36	NHAI- Toll	6,500.00	7,500.00	8,462.14	7,179.00
37	NHAI- NH(O)	370.27	5,389.02	3,900.00	0.00
39	NHIDCL under NH(O)*	1.15	72.20	296.00	1,000.00
41	SARDP-NE including Ar Package*	4,803.07	4,464.71	4,837.77	2,913.88
42	LWE + Vijayawada-Ranchi Road	996.11	739.27	901.86	349.46
43	Externally Aided Projects	9.25	56.72	283.41	63.78
44	IEBR / Borrowings by NHAI	23,281.00	33,118.00	50,533.00	41,170.00
	<b>Grand Total</b>	<b>63,745.10</b>	<b>73,740.08</b>	<b>1,00,179.05</b>	<b>84,308.15</b>

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