

**GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA  
UNSTARRED QUESTION NO. 3166  
ANSWERED ON 21<sup>ST</sup> DECEMBER, 2023**

**WASTE MATERIALS IN ROAD PROJECTS**

**3166. SHRI BRIJENDRA SINGH:**

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS**

**सड़क परिवहन और राजमार्ग मंत्री**

**be pleased to state:**

- (a) whether the Government has taken steps to utilize solid waste materials in road construction projects, if so, the details thereof and if not, the reasons therefor;**
- (b) whether the Government has conducted any assessment to measure the benefits of using solid waste materials in road construction, if so, the details thereof; and**
- (c) the details of proposed projects in this regard?**

**ANSWER**

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS**

**(SHRI NITIN JAIRAM GADKARI)**

**(a) to (c) Policy guidelines have been issued by the Ministry and standards/manuals/guidelines have been published by Indian Roads Congress (IRC) regarding utilization of solid waste materials in specific items of road construction. Solid waste materials include Construction & Demolition Waste, Industrial Wastes, Recycling of asphalt layers, Waste Plastic etc. These guidelines have been formulated based on studies conducted by reputed Academic and Research Institutes. The benefits of using such waste materials are conservation of depleting natural resources such as stones and soil leading to sustainable road construction. Processed solid waste materials have been utilized in National Highways projects in embankment/different pavement courses/different concrete items, etc. as allowed by standards/manuals/guidelines and feasible at site.**

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