

GOVERNMENT OF INDIA  
MINISTRY OF RURAL DEVELOPMENT  
DEPARTMENT OF RURAL DEVELOPMENT

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1692**  
TO BE ANSWERED ON 21.12.2022

**CONSTRUCTION OF ROADS UNDER PMGSY**

1692 SHRI VIJAY PAL SINGH TOMAR:

Will the Minister of RURAL DEVELOPMENT be pleased to state:

- (a) the details of the Pradhan Mantri Gram Sadak Yojana (PMGSY) along with the length of roads which have been constructed, till date;
- (b) the total expenditure of the roads constructed under PMGSY for last five years, yearwise;
- (c) whether Government has used any new technology in the road construction under PMGSY to reduce the construction cost and escalate the pace of construction;
- (d) if so, the details thereof; and
- (e) the details of Geographic Information System (GIS) data produced by Government for the rural habitations under PMGSY?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF RURAL DEVELOPMENT  
(SADHVI NIRANJAN JYOTI)

(a) Pradhan Mantri Gram Sadak Yojana (PMGSY) was launched as a one-time special intervention to provide rural connectivity, by way of a single all-weather road, to the eligible unconnected habitations of designated population size (500+ in plain areas and 250+ in North-Eastern States, Himalayan States and Himalayan Union Territories and some special areas as per 2001 census) in the core network for uplifting the socio-economic condition of the rural population. In the critical Left Wing Extremism affected blocks (as identified by Ministry of Home Affairs), habitations with population 100 persons and above as per 2001 census are also covered.

The mandate of PMGSY has been subsequently widened to include new interventions. PMGSY-II was launched in the year 2013, with a target to upgrade 50,000 Km of the existing rural roads.

Road Connectivity Project for Left Wing Extremism Affected Areas (RCPLWEA) was launched in 2016 for construction/upgradation of strategically important roads chosen in the 44 worst affected districts and adjoining districts in the 9 affected States.

PMGSY-III was launched in 2019 for consolidation of 1,25,000 Km Through Routes and Major Rural Links connecting habitations, inter-alia, to Gramin Agricultural Markets, Higher Secondary Schools and Hospitals.

A total of 7,22,276 Km road length has been constructed under various interventions of Pradhan Mantri Gram Sadak Yojana (PMGSY) as on 16<sup>th</sup> December, 2022.

(b) The details of expenditure incurred during the last five years under PMGSY are given below:-

(₹ in crore)	
Financial Year	Expenditure (including State share)
2017-18	17,307.29
2018-19	23,369.38
2019-20	21,723.92
2020-21	23,952.06
2021-22	27,842.49
<b>Total</b>	<b>114,195.14</b>

(c) to (d) To promote cost-effective and fast construction, PMGSY roads are being constructed using new materials, waste materials, locally available materials and introduction of green technologies which help in fuel and bitumen savings such as cold mix technology, cement concrete block, cell filled concrete, panelled cement concrete and roller compacted concrete pavement, soil stabilization technologies like cement stabilization, Terrazyme, Nano technologies and Full Depth Reclamation (FDR) technology.

As on 16.12.2020, total 1,18,790 km of roads works have been sanctioned under new/ green technology out of which 80,668 km has been completed.

(e) The Ministry of Rural Development released Geographic Information System (GIS) data developed for PMGSY scheme in public domain on 22<sup>nd</sup> February 2022. There are total number of 10,54,925 habitations marked as GIS point data. Habitation layer has been uploaded as open data in <https://geosadak-pmgsy.nic.in/OpenData> from where any user can download the same along with the other layers like road proposals (sanctioned under PMGSY III), District Rural Roads Plan and facilities layer.

The GIS dataset created under PMGSY-I&II are available for view and are open to the public at <http://pmgsy-grris.nic.in>. All the states have created data based on PMGSY National GIS guidelines. Under PMGSY-III, more than 7.70 lakh rural facilities such as medical, educational and markets have been geo-tagged.

The GIS data created under PMGSY National GIS guideline is not just of rural areas, but a holistic national geospatial dataset including urban areas, National Highways, State Highways and Railway tracks etc. GeoSadak - an e-application, has been developed utilizing fully indigenous GIS data layers and satellite data services.

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