GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

LOK SABHA
UNSTARRED QUESTION NO. 663
ANSWERED ON 25TH JULY, 2024

GEOSPATIAL TECHNOLOGIES

663. DR. SHASHI THAROOR:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सड़क परिवहन और राजमार्ग मंत्री

be pleased to state:

(a) the details of geospatial technologies used in National Highways during the last two years;

(b) whether there is an integrated geodata policy across ministries for the purpose of road transport and highways and if so, the details thereof; and

(c) whether the Government promotes any scheme or policies to remedy the lack of digital awareness and coordination among stakeholders of geospatial technology, if so, the details thereof?

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) to (c)   Cabinet Committee on Economic Affairs (CCEA) accorded approval for the implementation of PM GatiShakti National Master Plan (NMP) on 21.10.2021 for providing multimodal connectivity infrastructure to various economic zones. The plan envisages integration of data of all individual Ministries (viz. Railways, Roads, Ports, Waterways, Airports, Mass Transport, Logistics Infrastructure, supported by complementary roles of Energy Transmission, IT Communication, Bulk Water & Sewerage, and Social Infrastructure) in common platform for integrated planning, monitoring and review of projects.

The PM GatiShakti NMP portal has been developed as a Digital Master Planning tool by BISAG-N (Bhaskaracharya National Institute for Space Applications and Geoinformatics) and has been prepared in

dynamic Geographic Information System (GIS) platform for incorporating data on specific action plan of all the Ministries/ Departments within a comprehensive database.

The Ministry has taken significant initiatives for use of the PM GatiShakti NMP portal for planning and development of National Highway (NH) projects in the country, which are summarized as under:

(i) GIS based NH network and other infrastructure components have been uploaded on the portal;

(ii) API integration of NMP portal with Project Monitoring Portals of the Ministry (Project Monitoring Information System (PMIS) and Data Lake) has been completed;

(iii) DPR preparation using the NMP portal has been made mandatory irrespective of the size of the NH project.

(iv) Standard Operating Procedures (SOPs) have been developed for preparation of DPRs for NH development projects using multiple tools available on NMP portal for project planning, alignment optimization and validation based on Area Development approach.

(v) More than 1,000 login credentials have been created for providing access of the NMP Portal to the officers of the Ministry and the project executing agencies such as National Highways Authority of India (NHAI), National Highways Infrastructure Development Corporation Limited (NHIDCL), Border Roads Organization (BRO) and State Government Officers dealing with NH projects.

(vi) Various familiarization workshops as well as Hands-on Workshops for using NMP portal for NH projects have been organized from time to time for the officers of the Ministry and its executing agencies.

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