GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF POSTS

RAJYA SABHA
STARRED QUESTION NO. 52
ANSWERED ON 24TH JULY, 2025

DHRUVA PROJECT

52 # SHRI ADITYA PRASAD:

Will the Minister of Communications be pleased to state:

(a) the main objectives and components of the Digital Hub for Reference and Unique Virtual Address (DHRUVA) project and the way in which this initiative will help in strengthening the digital communication infrastructure in rural and urban areas of India;

(b) the manner in which this project will promote indigenous technology and contribute to achieving the goals of Aatmanirbhar Bharat in telecom and digital sector; and

(c) the possible timeline for implementation and expected outcomes of DHRUVA project and details of its execution impact on broadband connectivity and digital services in the backward and remote areas of the country, particularly in States like Jharkhand?

ANSWER

MINISTER OF COMMUNICATIONS AND DEVELOPMENT OF NORTH EASTERN REGION
(SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c) A statement is laid on the Table of the House.

STATEMENT TO BE LAID ON THE TABLE OF RAJYA SABHA IN RESPECT OF PARTS (a) to (c) OF THE RAJYA SABHA STARRED QUESTION NO.52 FOR 24TH JULY, 2025 REGARDING "DHRUVA PROJECT."

(a) The initiative aims to enhance the way addresses are structured and managed in India. It works by assigning unique codes to locations using a geo-coded grid system of around 4 metres by 4 metres, known as a DIGIPIN. This significantly improves location accuracy and enables precise identification of places.

In addition, the 'Digital Address' layer enables users to generate personalized address labels by combining the DIGIPIN with descriptive information such as house numbers, street names, etc. This approach simplifies address usage, enhances accuracy, and facilitates easy sharing, and ultimately aims to establish a robust digital address management system.

Conceptualized with a federated and interoperable design, the initiative enables every location to be digitally addressable, strengthening service delivery and planning across sectors such as postal, telecom, and broadband—particularly in remote and underserved areas.

(b) The initiative promotes indigenous technology through a fully India-developed geo-coded addressing system. As an open-source solution, it encourages domestic innovation in address-based solutions and aligns with the vision of Aatma Nirbhar Bharat.

(c) A draft policy document has been circulated for stakeholder consultation. The project is at the proof-of-concept (PoC) stage. The identified outcomes include enhanced digital inclusion, improved resource planning, reduced delivery costs, and more responsive public services across sectors such as postal, telecom, and broadband—with a focus on benefiting backward and remote areas, including those in Jharkhand.

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