

**GOVERNMENT OF INDIA  
MINISTRY OF HOUSING AND URBAN AFFAIRS  
RAJYA SABHA  
UNSTARRED QUESTION NO. 69  
ANSWERED ON 03/02/2025**

**METRO NETWORK IN THE COUNTRY**

**69. SHRI MAYANKBHAI JAYDEVBHAI NAYAK:  
SHRI LAHAR SINGH SIROYA:**

**Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:**

- (a) the manner in which Government proposes to ensure that the Metro network expansion is sustainable and environment friendly;
- (b) whether there is any role of public-private partnership in the development and financing of this project; and
- (c) if so, the details thereof?

**ANSWER**

**THE MINISTER OF STATE IN THE MINISTRY OF HOUSING AND URBAN AFFAIRS  
(SHRI TOKHAN SAHU)**

(a): Metro rail being the fast, safe, comfortable, energy efficient, and environment friendly has emerged as popular mode of public transport in urban areas. For systematic planning and implementation of metro rail systems in more comprehensive and sustainable manner, Government of India has issued Metro Rail Policy-2017 which endeavors to focus on enhancing the feasibility of metro rail projects from economic, social and environmental perspective and act as a guide to state governments for preparing comprehensive proposals for metro rail projects. The policy also envisages necessarily inclusion of feeder systems, last mile connectivity through pedestrian pathways, Non-Motorized Transport (NMT) infrastructure, and induction of facilities for Para transit modes etc. to incentivize metro rail ridership.

Solar power panels have been installed by Metro companies that help in reduction of CO2 emissions. Metro Rail projects have adopted the regenerative braking system in rolling stock. Adoption of Regenerative Braking Systems by metro projects are resulting in power saving and reutilisation. Setting up solar panels leads to considerable reduction in power consumptions and savings in expenditure and power which contributes significantly making metro projects sustainable and environment friendly.

(b) & (c): As per Metro Rail Policy, 2017, private participation either for complete provisioning of metro rail or for some unbundled components forms an essential requirement for all metro rail project proposals seeking Central Financial Assistance.

\*\*\*\*\*