

December 23, 2022

Road Bureau

Planning Division

The 8th Japan-India Road Meeting (Report)

--- Technological Exchange between Japan and India in the Roads Sector ---

The Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan, and the Ministry of Road Transport and Highways (MoRTH), India, jointly hosted 8th Japan-India Road Meeting on December 19 in New Delhi

In this meeting, we shared knowledge in the road sector regarding road tunnels and road pavements, and confirmed continuing technological exchange between Japan and India

This meeting is based on the cooperation of the roads and road transportation sector.

It has been held almost annually since October 2014 when the first meeting took place in New Delhi, India. The summary of the 8th meeting follows.

<<The 8th Japan-India Road Meeting>>

(1) Date and time : December 19, 2022(Monday)

(2) Location: New Delhi, India

(3) Major participants :

Japan: Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

KUBOTA Homare, Deputy Director-General, Road Bureau

KITAMA Hiromichi, Director for Overseas Road Project, Road Bureau

India: Ministry of Road Transport and Highways (MoRTH)

Alka Upadhyaya, Secretary

Amit Kumar Ghosh, Additional Secretary



Images of the meeting

Appendix: Summary

The meeting featured presentations on “Road Maintenance” and “Road Tunnel Operation and Maintenance” from the Japanese side, and “Expressway Planning” and “Environmentally Friendly Construction” from the Indian side. After the presentations, we had lively discussions on those themes

Presentation from Japan

- Regarding road maintenance, the presentation introduced technology for road pavement to enhance durability, pavement technology in heavy snowfall and cold regions, and Japanese case studies and recent developments, such as the digitalization of road systems.
- The presentation introduced technologies utilized by NEXCO East Japan that enable measurement of rutting, cracking of pavements and IRI while driving on the expressway at 100 km/h, as well as advanced operation and maintenance of tunnels, inspection data operation methods and deterioration prediction models.
- Regarding the operation and maintenance of road tunnels, the presentation introduced takeaways to be noted when dealing with tunnel fire accidents, road tunnel protection disaster prevention equipment, and remote monitoring and operation systems.

Presentation from India

- Regarding expressway tunnels in India, the presentation introduced their current status, the planning approach, geological and geotechnical investigations involved in route selection, tunnel excavation methods and accident countermeasures in the tunnel sector.
- Regarding the construction of the Delhi-Mumbai Expressway, the presentation introduced an overview of the project, its congestion reduction benefits, the design of the structure taking into account forested areas, and the financing structure.
- Regarding examples of environmentally friendly construction projects, the presentation introduced initiatives to reduce greenhouse gas emissions, environmentally friendly pavements and innovative slope protection technologies utilizing greenery.

At the meeting, we shared the latest information on the road sectors in the two countries and confirmed continuous cooperation between Japan and India on these issues. We will continue technological exchanges on road issues between Japan and India.



Image of the meeting