



**India- Japan Joint Research Program for a modal shift of urban transportation  
towards a low carbon society through scientific traffic analysis  
~ 5th Joint Coordination Committee (JCC) meeting for the Program held in Hyderabad ~**

**Hyderabad, January 21, 2021:** The 5th Joint Coordination Committee (JCC) was held virtually by connecting Indian Institute of Technology, Hyderabad (IIT-H) and Japanese related organization on January 21, 2021. This India- Japan joint research project has been designed collaboratively by Japan Science and Technology Agency (JST) and Japan International Cooperation Agency (JICA) as a scheme of “Science Technology Partnership for Sustainable Development (SATREPS)”. It has been jointly undertaken by IIT-H, Nagoya Electric works Co. Ltd., Nihon University and Tokyo Institute of Technology.

The aim of this joint research program is to establish a reliable and common approach for grasping the traffic situation in cities by building a system that effectively utilizes mobile devices, traffic sensing, big-data analysis and network technology. In this 5th JCC, Indian and Japanese side discussed progress of the joint research for the traffic monitoring and the traffic flow analysis by utilizing deep learning Artificial Intelligence (AI) recognition architecture, driving behaviour sensing, environment gas monitoring, etc. The traffic monitoring has been implemented not only in Hyderabad but also in Ahmedabad by joint collaboration with Ahmedabad city where the project team had installed traffic monitoring camera at several junctions and main roads. They will utilize project analysis to generate hand-book for low carbon urban transportation that would be beneficial for the consideration of suitable urban transportation system in India. In this 5th JCC, Indian and Japanese side have also agreed to extend the project period of this joint research for 6 months up to September, 2022, with an aim at further enhancing research collaboration in order to continue to implement research activities since some of the field researches could not be conducted due to COVID-19 situation.

**Speaking on the occasion, Mr. MATSUMOTO Katsuo, Chief Representative, JICA India** said, “Enhancing the academia - industry network between India and Japan is one of the most important elements in terms of long-term benefit for both countries. In this connection, JICA has been engaging in various initiatives with IIT-H, and IIT-H has become a crucial platform for both countries. This joint research program is also one of the important opportunities for enhancing the partnership between IIT-H and Japanese academia and industries. It is hoped that research teams of India and Japan will continue to work collaboratively to create reliable approach for grasping the traffic situation in the cities in India, which would contribute to the formation of suitable and sustainable urban transportation system, and facilitation of a modal shift.”

JICA has also been extending integrated support to IIT-H through ODA (Official Development Assistance) loan of 23,035 million Japanese yen (over INR 1,600 Crore) for IIT-H campus development. JICA’s support is facilitating the development of International Guesthouse, Sports & Cultural Complex, Technology and Incubation Part, Convention Centre, Research Centre Complex, and Knowledge Centre, procurement of high-end laboratory equipment in IIT-H campus.



The virtual meeting of of 5th Joint Coordination Committee (JCC)

### About JICA

Established, by a specific law, as an incorporated administrative institution under the Government of Japan, the Japan International Cooperation Agency (JICA) aims to contribute to the promotion of international cooperation, as a sole Japanese governmental agency in charge of ODA implementation. JICA is the world's largest bilateral donor agency. JICA works as a bridge between Japan and emerging countries, and provides assistance in forms of loan, grant and technical cooperation so that the emerging countries can strengthen their capabilities.

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**For further information, please contact:**

JICA India Office	Edelman India
Shusaku Takada / Vini Sharma	Rakhi Aurora
+91 11 49097000	(+91) 9599067185
<a href="mailto:Takada.Shusaku@jica.go.jp">Takada.Shusaku@jica.go.jp</a> <a href="mailto:Sharmavini.id@jica.go.jp">Sharmavini.id@jica.go.jp</a>	Rakhi.Aurora@edelman.com