

प्रतिष्ठा में/ To,
नेशनल स्टॉक एक्सचेंज ऑफ इंडिया लिमिटेड
National Stock Exchange of India Ltd.
एक्सचेंज प्लाज़ा , प्लॉट नं. सी/1, जी ब्लॉक
Exchange Plaza, Plot No. C/1, G Block,
बांद्रा-कुर्ला कॉम्प्लेक्स, बांद्रा (पूर्व)
Bandra-Kurla Complex, Bandra (E)
मुंबई / Mumbai – 400 051

सं. No. 17565/6/SE/NSEC/SEC

दिनांक / Date: 20.02.2023

महोदय / महोदया
Dear Sir / Madam,

विषय - प्रेस विज्ञप्ति – दिल्ली मेट्रो ने अपनी रेड लाइन पर संचालन के लिए बीईएल के साथ संयुक्त रूप से विकसित भारत की पहली स्वदेशी विकसित सिग्नलिंग प्रणाली(आई- एटीएस) लॉन्च की।

Sub: Press Release – Delhi Metro launches India's first ever indigenously developed Signalling System (I-Ats), jointly developed with BEL for operations on its red line.

सेबी (एलओडीआर) विनियम, 2015 के विनियम 30 के तारतम्य में, प्रेस विज्ञप्ति की एक प्रति संलग्न पाएं जिसका शीर्षक है 'दिल्ली मेट्रो ने अपनी रेड लाइन पर संचालन के लिए बीईएल के साथ संयुक्त रूप से विकसित भारत की पहली स्वदेशी विकसित सिग्नलिंग प्रणाली(आई- एटीएस) लॉन्च की।'

Pursuant to Regulation 30 of SEBI (LODR) Regulations, 2015, we are enclosing here with a copy of the press release titled as '**Delhi Metro launches India's first ever indigenously developed Signalling System (I-Ats), jointly developed with BEL for operations on its red line**'.

सूचना व अभिलेख हेतु।
This is for your information and record.

सधन्यवाद / Thanking you,

भवदीय / Yours faithfully,

कृते भारत इलेक्ट्रॉनिक्स लिमिटेड
For Bharat Electronics Limited

एस श्रीनिवास / S Sreenivas
कंपनी सचिव / Company Secretary

संलग्न - यथा उपरोक्त।
Encls: As stated above.

भारत इलेक्ट्रॉनिक्स लिमिटेड
(भारत सरकार का उद्यम, रक्षा मंत्रालय)

पंजीकृत कार्यालय :
आउटर रिंग रोड, नागवारा, बेंगलूर - 560 045, भारत

Bharat Electronics Limited

(Govt. of India Enterprise, Ministry of Defence)

Registered Office : Outer Ring Road,
Nagavara, Bangalore - 560 045, INDIA.

CIN : L32309KA1954GOI000787

टेलीफैक्स/Telefax : +91 (80) 25039266

ई-मेल/E-mail : secretary@bel.co.in

वेब/Web : www.bel-india.in

Press Release

Delhi Metro launches India's first ever indigenously developed Signalling System (I-ATS), jointly developed with BEL for operations on its red line

New Delhi/Bengaluru, February 18, 2023: In a significant development in the field of rail based mass transit, the Delhi Metro today launched India's first ever indigenously developed Train Control & Supervision System, jointly developed by Navratna Defence PSU Bharat Electronics Limited (BEL) & Delhi Metro Rail Corporation (DMRC), the i-ATS (Indigenous - Automatic Train Supervision) for operations on its first corridor, Red Line (Rithala to Shaheed Sthal).

The i-ATS system was formally launched on the Red Line today from the Operations Control Centre (OCC), Shastri Park, by Mr Manoj Joshi, Secretary, Ministry of Housing and Urban Affairs, Government of India & Chairman, Delhi Metro, in the presence of Mr Vikas Kumar, Managing Director, Delhi Metro, Mr Bhanu Prakash Srivastava, Chairman & Managing Director, BEL, Mr Manoj Jain, Director (R&D), BEL, and other senior officials of DMRC and BEL.

This signalling system, entirely made locally, has been jointly developed by BEL and DMRC under the Government of India's 'Make in India' and 'AatmaNirbhar Bharat' initiatives for the Metro Rail Transit Systems. India has become the 6th country to join the elite list of a few nations in the world which have their own ATS products.

Beginning with Red Line, the i-ATS System will further be deployed for operations on Delhi Metro's other operational corridors and the upcoming independent corridors of Phase – 4 Project as well. Preventive Maintenance modules shall also be introduced in the Phase 4 corridors using i-ATS. In addition, i-ATS can be used in operations of other rail based systems including Indian Railways. This technology has been developed with flexibility to work with different Signalling vendor's systems with suitable changes.

The development of the i-ATS is a major step towards the development of an indigenously built CBTC (Communication Based Train Control) based signalling system for Metro railway since the ATS (Automatic Train Supervision) is an important sub system of the CBTC Signalling system. ATS is a computer-based system, which manages train operations.

This system is indispensable for high train density operations such as the Metro, where services are scheduled every few minutes. Technology systems such as the CBTC are primarily controlled by foreign countries. The deployment of i-ATS will significantly reduce the dependence of Indian Metros on foreign vendors dealing with such technologies. As part of the 'Make in India' & 'AatmaNirbhar Bharat' initiatives of the Government of India, the Ministry of Housing and Urban Affairs (MoHUA) had decided to indigenise the CBTC technology. Along with MoHUA, BEL, DMRC, RDSO and other associates are part of this development.

To take the project forward, BEL and DMRC had entered into a MoU in November 2022. A dedicated team of BEL and DMRC are working together to prepare the technology for operations. A full-fledged i-ATS Lab, set up at DMRC's IT Park to simulate the site requirements, is now being upgraded for development of CBTC. BEL and DMRC have proactively joined hands in the development of various systems for Metro & Rail under the mandate of Atma Nirbhar Bharat

New Delhi/Bengaluru	SANJEEV N DESHPANDE
February 18, 2023	SR DGM (CORP COMN)