भौतिक अनुसंधान प्रयोगशाला, अहमदाबाद

Physical Research Laboratory, Ahmedabad

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PRL Ka Amrut Vyakhyaan-36

Wednesday, 06 April 2022

@ 04:00 PM (IST)

"Uttar Pradesh Metro: Building Modern Urban Transport Systems for the Changing Needs of the Cities:

Challenges and Lessons Learnt"

Shri Kumar Keshav

Managing Director
Uttar Pradesh Metro Rail Corporation

https://youtu.be/E0-c3uv4lSI

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Title: "Uttar Pradesh Metro: Building Modern Urban Transport Systems for the Changing Needs of the Cities: Challenges and Lessons Learnt"

Speaker: Shri Kumar Keshav

Managing Director, Uttar Pradesh Metro Rail Corporation

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The Speaker

Shri Kumar Keshav, Managing Director, Uttar Pradesh Metro Rail Corporation (UPMRC) had led a team of professionals for the successful completion of 23 Km long North-South Corridor of Lucknow Metro Project Phase-1A. This project had been completed in a stipulated time frame of 4½ years which was 36 days ahead of the scheduled time. Thereby, this project achieved the distinction of being the fastest constructed Metro project in the country.

Shri Kumar Keshav is an officer originally belonging to the Indian Railway Service of Engineers. He is a gold-medallist from IIT- Kanpur (MTech) and IIT-Roorkee (B.E.). He took over as Managing Director of the company on 18th August 2014 and soon commenced the work on 27th September 2014.

Prior to that, he had a long tenure of more than ten years in the Delhi Metro Rail Corporation and contributed to the successful implementation of Phase-I and Phase-II of the Delhi Metro project.

After leaving Delhi Metro in April 2012 Kumar Keshav holds the credit for leading the prestigious International Heavy Haul Rail Project in Queensland, Australia as Project Director-Rail.

As regards to Lucknow Metro, it is a dream project of the people of Uttar Pradesh that had been realized by him ahead of the scheduled time. UPMRC has demonstrated its strength in project implementation of a highly complex project keeping in consideration the best international safety standards and quality parameters.

UPMRC has been assigned two metro projects in two important cities of Uttar Pradesh namely Kanpur and Agra. The Kanpur Metro's 9 KM priority corridor was completed in a record time of 2 Year 1.5 Months. Following the legacy of timely completion of metro projects, Kanpur Metro's priority corridor now holds the distinctive feat of being the fastest constructed project in the country.

Its revenue operations were inaugurated in the auspicious presence of Honourable PM Shri Narendra Modi and CM Yogi Adityanath on 28th December 2021.

Both the metro projects are being executed at a fast pace under the dynamic leadership of Shri Kumar Keshav.

About PRL

The Physical Research Laboratory (PRL), known as the “cradle of space science” in India, is one of the premier research institutes founded in 1947 by Prof. Vikram Sarabhai, a renowned Cosmic Ray Scientist, a great visionary and institution builder. PRL played a seminal role in producing a highly motivated cadre of space scientists and the technologists of highest international repute. The first scientific rocket launched from Thumba on 21st November-1963 and many other rockets launched thereafter contained payloads developed at PRL. Dr. Sarabhai initiated many of these scientific and technical activities at PRL which eventually led to the formation of the Indian Space Research Organization (ISRO). Therefore, PRL is known as the “cradle of space science” in India. Further, the research in the area of Plasma Physics expanded to the formation of the Institute of Plasma Research (IPR).

As an institution PRL is unique in that it conducts fundamental research in a wide range of research areas from the Earth to the cosmos, and comprising Astronomy and Astrophysics; Solar Physics; Space and Atmospheric Sciences; Theoretical Physics; Geosciences; Atomic, Molecular and Optical Physics, Astrochemistry; and Planetary Sciences and Space Exploration. PRL is one of the rare research institutes of international repute wherein research in such diverse fields of sciences is carried out using several state-of-the-art experimental facilities that exist under one umbrella.

Along with the ongoing research, several new initiatives have been taken up during the last few years. The Multi-Application Solar Telescope (MAST) at Udaipur Solar Observatory has been operationalized. PRL initiated scientific programmes in frontier areas of research, which include a search for exo-planets, laboratory studies of interstellar grains, laboratory synthesis of cold astromolecules and experimental studies in the field of quantum optics. PRL is also developing several scientific payloads as a part of ISRO’s larger vision and contributing to roadmap for competitive scientific exploration of the solar system and beyond. In particular, PRL has been contributing significantly not only in building instruments for space missions, such as Chandrayaan-1, Chandrayaan-2, AstroSat and upcoming Aditya-L1, Chandrayaan-3 and planetary and space missions, but also by bringing out new and insightful science results.

PRL contributes to several national and international research programmes and to human resource development through its Doctoral and Post-Doctoral Programmes, capacity building programmes, such as UN Course on Space Science, and science and engineering internship programmes. PRL contributes significantly to society through its Outreach Programmes by periodically organizing science exhibitions and Open Houses, planned visits of students of various school and college to PRL, and popular talks at various institutions to not only share the excitements of the advancements of contemporary scientific findings but also to encourage students to take up sciences as their research career.

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