

**DELHI METRO RAIL CORPORATION LIMITED**



**4<sup>th</sup> Advanced Training Programme**  
**on**



**Ballastless Track**

**August 09-11, 2017**

**At**

**DMRC, Training Institute**

**Shastri Park Depot**

**New Delhi-110053**

## **4<sup>th</sup> Advanced Training Programme on Ballastless Track**

Most cities in India are witnessing exponential growth hence urban transportation has become one of the major challenging issues today. Metro Rail systems are coming up at a very fast pace in our country.

DMRC is known for its multifarious experience in the successful planning, execution, operations and maintenance of most modern Rail based urban transportation system in the country. Ballastless Track systems have been used extensively in metro networks. These systems have been operational in DMRC and are being successfully maintained. On the basis of encouraging feedbacks received during the first programme, DMRC Training Institute desires to conduct 4<sup>th</sup> Advanced Training Programme on Ballastless Track so that the key concepts in the field can be shared with the aspirants.

### **Objectives**

- To make the participants understand the concepts related to Ballastless Track systems and its maintenance.
- To analyze the applicability of different types of Ballastless Track systems of MRTS in urban transportation.

### **For**

- Maintainers and operators associated with Construction and maintenance of Track in Urban Rail based transport sector.
- Urban transport organizations such as metro, mono rail, suburban rail and light rail systems.

### **Venue**

The programme will be held at the Training Institute, Shastri Park Train Depot, Shastri Park, New Delhi-110053. Hostel facility is available for limited number of participants on first come first serve basis. Other participants shall arrange for lodging and boarding themselves during the period of course.

## **Contents**

- Introduction to Ballastless Track System
- Maintenance Practices
- Fastening system in Ballastless Track
- Schedule of Dimensions
- Alumino Thermit Welding
- Point & Crossing
- Survey for Ballastless Track
- Vibration issues related to Track
- Track Interface
- Railway Board guidelines for Metro Track structure
- CWR & Destressing
- Design of Ballastless Track
- Flash Butt Welding
- Modern Track: Construction of Ballastless Tracks
- Modern Track Technology: Metro & High Speed

## **Field visits**

Field visit of the DMRC establishments is also planned during the course.

## **Fee**

Academic fee for the course: Rs 30,000/- plus applicable GST per participant.

Hostel charges: Rs 5000/- plus applicable GST per participant.

The following discounts are applicable:

- a) Early Bird Discount: 10% of **programme fee** if nominations are received by **5<sup>th</sup> Aug, 2017**.
- b) Group Discount: 10% of **programme fee** if an organization nominates 3 or more participants.

Note: Discount is applicable on programme fee only. Maximum 20% discount can be given in case both conditions are applicable.

Payment of applicable fees may kindly be made in advance to confirm nomination. Fee may be paid by the demand draft/ pay order in favour of “Delhi Metro Rail Corporation Limited” payable at New Delhi. The payment can also be made electronically as per following details:

Bank a/c no-1120005800000032

RTGS/NEFT IFSC code- PUNB0112000

Bank Address: ECE House, K.G. Marg, New Delhi

GST No. 07AAACD3254A2ZA

PAN No. AAACD3254A

TAN No. DELD03776D

The candidates will be issued with the certificate of participation..

### **Nominations and Inquiries**

Nominations should reach in the prescribed format with programme fee to the office of Vice Principal/ Training Institute, Shastri Park Train Depot, Shastri Park, New Delhi-110053.

**For nominations forms and information, please contact:**

**Vice Principal/ Training Institute**

**Shastri Park Train Depot,**

**Shastri Park, New Delhi-110053, Mob. 9810568551**

**Email: mahender5101@gmail.com, mahender.singh@dmrc.org**

**Website: [www.delhimetrorail.com/training-institute/](http://www.delhimetrorail.com/training-institute/)**

## About DMRC Training Institute



Since inception, DMRC has realised the need of competency building in rail based urban transportation systems. In its efforts to impart world class training, a dedicated Training Institute was set up & inaugurated on 19/07/2002 in Shastri park train depot of DMRC. The Training Institute is ISO 9001:2015 accredited for design, development and delivery of training programmes. The Training Institute has a sprawling campus of 10000 Sqm and is located at relatively quieter but otherwise very well accessible location in Delhi. Shastri Park Train Depot, DMRC's oldest maintenance depot is just adjacent, which is handy in providing practical exposure to the trainees. Training Institute is equipped with state of art training infrastructure, most advanced simulators for training in the field of operations and maintenance. The DMRC training institute is the only institute in the country which is equipped with all modern facilities to impart customized training on almost all aspects of operations and maintenance of rail based urban transportation systems. We have distinction of training not only DMRC employees but also employees from other metro systems such as Bangaluru Metro, Chennai Metro, Jaipur Metro, Mumbai Metro, Rapid Metro and Kochi Metro. We are also equipped with training infrastructure to accept proposals from neighbouring countries in the field of urban rail transportation.



**Training Institute**

**DMRC, Train Depot,**

East Approach Road, Shastri Park, New Delhi-110053