

Short Term Courses for Other Metros

S No.	Deaprtment	Name of Course	Duration
1.	Electrical E&M	Parameters for Power Quality & Management of LT Energy	1 Day
2.		Fire and Hydraulic Systems in Underground Metro Stations	1 Day
3.		Rescue procedure in Elevator, failures leading to passenger trappings and actions to be taken.	1 Day
4.	Electrical Traction	Power Transformer and its Preventive Maintenances	1 Day
5.		Auxiliary and Traction Power Supply Arrangement	1 Day
6.		SCADA System	1 Day
7.	S&T Signal	Interlocking Processing Unit (KONTRON)	3 Days
8.		ATC System (BT-CBTC)	3 Days
9.		ATC System (Nippon-CBTC)	3 Days
10.		ATS (BT-CBTC)	3 Days
11.		ATS (Nippon-CBTC)	3 Days
12.		Un-interruptible Power Supply System	3 Days
13.		S&T Interface with P-way	2 Days
14.		BT-CBTC Axle Counter (ELS-95)	2 Days
15.		Nippon-CBTC Axle Counter (ACS-2000)	2 Days
16.		Workshop on Card Replacement	1 Day
17.	S&T Telecom	Fibre Optic Transmission System	2 Days
18.		SDH and PDH System	3 Days
19.		Radio System	3 Days
20.		Networking System	3 Days
21.		Telephone System	3 Days
22.		Clock System	3 Days
23.		CCTV System	3 Days
24.		PIDS/PAS System	3 Days
25.		Power Supply System	3 Days

Short Term Courses for Other Metros

S No.	Deaprtment	Name of Course	Duration
26.	Civil	Arbitration and Concillation	6 Hrs
27.		Labour Laws	4 Hrs
28.		Design of Viaduct	6 Hrs (3 Hrs Field visit)
29.		GCC	4 Hrs
30.		Tendering	4 Hrs
31.		Contract Management	4 Hrs
32.		Geotechnical Investigation (Data Interpretation)	4 Hrs
33.		Casting Yard	6 Hrs (3 Hrs Field visit)
34.		Finalization of alignment	4 Hrs
35.		BIM: Features, advantages & Working	6 Hrs
36.		Extra Items: Steps in finalization, Critical aspects, Dos & Don'ts.	4 Hrs
37.		Project Appraisal	4 Hrs
38.		Business Development: PB & PD	4 Hrs
39.		U-Girder casting and erection by tandem lifting and Launcher	6 Hrs (3 Hrs Field visit)
40.		Bearing: Elastomeric, Spherical & Pot-PTFE bearing	6 Hrs (3 Hrs Field visit)
41.		Balanced Cantilever Construction	6 Hrs (3 Hrs Field visit)
42.		Precast Work in Metro Stations	6 Hrs (3 Hrs Field visit)
43.		Double Decker Viaduct	6 Hrs (3 Hrs Field visit)
44.		Casting in-situ Piling work: Critical Aspects	6 Hrs (3 Hrs Field visit)
45.		Steel Girder: Types, Selection, Fabrication, Testing & Erection	6 Hrs (3 Hrs Field visit)
46.		Box Girders: Features & Advantages, Selection criteria, Casting & Erection	6 Hrs (3 Hrs Field visit)
47.		PEB (Roof Portals) works at Station & Depots	6 Hrs (3 Hrs Field visit)
48.		Bottom-up methodology	4 Hrs
49.		Top-Down methodology	4 Hrs
50.		Couplers (Selection and Testing)	4 Hrs
51.		Waterproofing UG stations	4 Hrs
52.		Waterproofing of Tunnels	4 Hrs
53.		Instrumentation and Monitoring	4 Hrs
54.		Cross Passages by Box Pushing & NATM	4 Hrs
55.		EBM-TBM Features, Selection & Working	4 Hrs
56.		TBM Cutter head intervention	4 Hrs
57.		Rail welding, Different type of welding	4 Hrs
58.		Track Renewal and Reversal	4 Hrs

Short Term Courses for Other Metros

S No.	Deaprtment	Name of Course	Duration
59.	Civil	Mechanized Maintenance of Track	6 Hrs (3 Hrs Field visit)
60.		Leakage/Seepage repair strategy and Products	4 Hrs
61.		Utility identification & Diversion	4 Hrs
62.		Land requirements	4 Hrs
63.		Claims & Variations	4 Hrs
64.		Co-ordination with outside deptt. (other than DMRC)	4 Hrs
65.		Depot Works	4 Hrs
66.		STAMP Features	4 Hrs
67.		Vendor Payment Portal (VPP)	4 Hrs
68.		FOB Works	4 Hrs
69.		Facade Work	4 Hrs
70.		Extrados Bridge works	4 Hrs
71.		Finishing Works	4 Hrs
72.		Concrete Technology – Intricacies and challenges faced	4 Hrs
73.		Pile Foundation & Liquifaction	4 Hrs
74.		Track Maintenance – Good practices for maintaining Tack Asset	6 Hrs (3 Hrs Field visit)
75.		Track Maintenance – Grinding and renewals	6 Hrs (3 Hrs Field visit)
76.		Target Based maintenance – Action Plan Model	4 Hrs
77.	Rolling Stock	Training on Important & Safety Related RS Maintenance Procedures	2 Days
78.		VCC & Pneumatic Circuit of Metro Trains	2 Days
79.		Training on Preventive Maintenance Checks	3 Days
80.		Training Module on Mid-life rehabilitations/ refurbishment of Metro train	1 Day
81.		Detailed Project Report/Feasibility	1 Day
82.		Tender Preparation	1 Day
83.		Contract Management Module	1 Day
84.		Statutory Compliances (Compliances related to RDSO for Oscillation Trial and EBD Trial)	1 Day
85.		Statutory Compliances (Preparation and Submission of Documents for CMRS Sanction of any new Line or Extension of existing Line/Preparation and Submission of Documents for CMRS Sanction of any new Depot or remodeled older Depot)	1 Day
86.		Type Tests, Routine Tests, Factory Acceptance Test	1 Day