

Short Term Courses for DMRC employees

S No.	Deaprtment	Name of Course	Target Group	Duration
1	Traction (6)	Protection philosophy in Traction System	Sr. Supervisors & Executives	1 Day
2		5 pulley ATD and its replacement mock drill and technical parameters of neutral section & Section Insulators	Supervisors & Sr. Supervisors	1 Day
3		Power Transformer and its preventive maintenances	Sr. Supervisors & Executives	1 Day
4		Power cables and It's failures	Supervisors & Sr. Supervisors	1 Day
5		Failures in Over Head catenary system and action taken		1 Day
6		Failures in PSI system and action taken		1 Day
7	E&M and Lift & Escalator (6)	E&M Design and Changes in PH-IV	Supervisors & Sr. Supervisors	1 Day
8		Energy Management and Power Quality Parameters	Sr. Supervisors & Executives	1 Day
9		LV Cables and Fires		1 Day
10		Rescue procedure in elevator, failures leading to passenger trappings and action to be taken.		1 Day
11		Elevator rescue and analysis of recent trappings	Supervisors	1 Day
12		Ventilation and Air- conditioning- VRV, ECS & TVS- Overview, failures and remedies	Supervisors & Sr. Supervisors	1 Day
13	Signal (10)	Interlocking Processing Unit (KONTRON)	Non-Supervisors & Supervisors	3 Days
14		ATC System (BT-CBTC)		3 Days
15		ATC System (Nippon-CBTC)		3 Days
16		ATS (BT-CBTC)		3 Days
17		ATS (Nippon-CBTC)		3 Days
18		Un-interruptable Power Supply System		3 Days
19		S&T Interface with P-way		2 Days
20		BT-CBTC Axle Counter (ELS-95)		2 Days
21		Nippon-CBTC Axle Counter (ACS-2000)		2 Days
22		Workshop on Card Replacement		1 Day
23	Telecom (9)	Fibre Optic Transmission System	2 Days	
24		SDH and PDH System	3 Days	
25		Radio System	3 Days	
26		Networking System	3 Days	
27		Telephone System	3 Days	
28		Clock System	3 Days	
29		CCTV System	3 Days	
30		PIDS/PAS System	3 Days	
31		Power Supply System	3 Days	

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32	Rolling Stock (14)	Refresher Training on Rolling Stock Systems (All Stocks), M&P and RS Safety	Non-Executives	5 Days	
33		Training on Important & Safety related RS maintenance Procedures		4 Days	
34		VCC & Pneumatic Circuit of RS-1 & RS-3 Trains		5 Days	
35		VCC & Pneumatic Circuit of RS-2 Train		5 Days	
36		VCC & Pneumatic Circuit of RS-10 Train		6 Days	
37		VCC & Pneumatic Circuit of CAF Stock for Airport line		4 Days	
38		Training on Lesson to be learnt from past incidents/accidents (LTBL)		2 Days	
39		Training on Preventive Maintenance		1 Day	
40		Training on Important Machine & Plants (M&Ps)		2 Days	
41		Training on Important CGM Inst, SMI, HECF & SECP		2 Days	
42		VCC & Pneumatic Circuit of RS-1 & RS-3 Trains		Executives	5 Days
43		VCC & Pneumatic Circuit of RS-2 Train			5 Days
44		VCC & Pneumatic Circuit of RS-10 Train			6 Days
45		VCC & Pneumatic Circuit of CAF Stock for Airport line			4 Days
46	Civil	Arbitration and Conciliation	Non-Executives & Executives	4 Hours	
47		Labour Laws		4 Hours	
48		Design of Structures		4 Hours	
49		GCC		4 Hours	
50		Tendering		4 Hours	
51		Contract Management		4 Hours	
52		Geotechnical Investigation (Data Interpretation)		4 Hours	
53		Casting Yard		4 Hours	
54		Finalization of alignment		4 Hours	
55		BIM: Features, advantages & Working		4 Hours	
56		Extra Items: Steps in finalization, Critical aspects, Dos & Don'ts.		4 Hours	
57		SOD		4 Hours	
58		Project Appraisal		4 Hours	
59		Business Development		4 Hours	
60		U-girder Casting and Erection by tandem lifting and Auto launcher		4 Hours	
61		Bearing		4 Hours	
62		Balanced Cantilever Construction		4 Hours	
63		Precast Work in Metro Stations of Ph-4		4 Hours	
64		Double Decker Viaduct		4 Hours	
65		Casting in-situ Piling work: Critical Aspects		4 Hours	
66	Steel Girder: Types, Selection, Fabrication, Testing & Erection	4 Hours			
67	Box Girders: Features & Advantages, Selection criteria,Casting & Erection	4 Hours			

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S No.	Deaprtment	Name of Course	Target Group	Duration
72	Civil (39)	Waterproofing UG stations	Non-Executives & Executives	4 Hours
73		Waterproofing of Tunnels		4 Hours
74		Instrumentation and Monitoring		4 Hours
75		NATM		4 Hours
76		Cross Passages by Box Pushing & NATM		4 Hours
77		EBM-TBM Features, Selection & Working		4 Hours
78		NATM Vs TBM Tunnel		4 Hours
79		TBM Cutter head intervention		4 Hours
80		Rail welding, Different type of welding		4 Hours
81		Track Renewal		4 Hours
82		Stresses in rails		4 Hours
83		Mechanized & other Maintenance of Track		4 Hours
84		Leakage/Seepage repair strategy and Products		4 Hours
	Total Courses	84		