



## Time Table

Course		21-BIND-1	Group B Induction Program for Mechanical Officers		
Course Duration		12-04-2021 to 21-05-2021		TimeTable Duration	12-04-2021 to 21-05-2021
No. of Participants		12		Venue	New Auditorium
Course Director		PMIS		Course Counselor	CI (WMT)
<b>Time Duration</b>					
Date	09:15:00 - 11:15:00	11:30:00 - 13:30:00	14:30:00 - 16:30:00	16:30:00 - 17:30:00	
<b>BIND-CNW (12-04-2021 to 22-04-2021) - PRST</b>					
12-04-2021	Introduction and Course Guidance <b>PMECH</b>	Types of Coaches and Wagons and their Identification <b>CI(C&amp;W-1)</b>	Passenger Interface items of Coaches <b>CI(C&amp;W-2)</b>	Water System of Coaches <b>PPROJ</b>	
13-04-2021	Coupling Technology-Types and Specifications <b>CI(LIB)</b>	Bearing Technology <b>PPROJ</b>	Brake System of Rolling Stock-I (B) <b>LECT(C&amp;W)</b>	Labour Laws <b>PRST</b>	
14-04-2021					
15-04-2021	ICF Shell Construction & Repair <b>SP(DT)</b>	Bogie of Rolling Stock-I (B) <b>LECT(C&amp;W)</b>	Bogie of Rolling Stock-II (B) <b>LECT(C&amp;W)</b>		
16-04-2021	Brake System of Rolling Stock-II (B) <b>LECT(C&amp;W)</b>	LHB Shell Construction and Repair <b>PRST</b>	Safety Features of Coach <b>PPROJ</b>	Watering arrangement at PF and PIT Line <b>PPROJ</b>	
17-04-2021	Saturday - Weekly Rest				
18-04-2021	Sunday - Weekly Rest				
19-04-2021	Wagon Body Construction & Repair <b>CI(C&amp;W-1)</b>	Development in wagons <b>CI(C&amp;W-2)</b>	Electrical Devices in TLAC <b>CI (ELECT)</b>	Private Wagon Maintenance <b>PPROJ</b>	
20-04-2021	Coach Maintenance Planning in Division-- <b>PMECH</b>	Development in C& W Depot infrastructure <b>PPROJ</b>	Workshop Activities and Facilities - Wagon <b>PPROJ</b>	Statistics C&W <b>CI(C&amp;W-1)</b>	
21-04-2021	Workshop Activities and Facilities – Coaching <b>PWMT</b>	Accidents enquiries and Measurements at accident sites	Enrout Attention-Rolling in, Engine Attention, Turn Round & Breakdown activities <b>PPROJ</b>	Toilet System <b>PMECH</b>	
22-04-2021	Pitline Examination and Facilities <b>PMECH</b>	Linen Management-Operation of Laundries <b>PRST</b>	Rail Wheel Interaction and Dynamics <b>PMIS</b>	Sickline Coaching <b>PMECH</b>	
23-04-2021	Class on YOGA <b>VL</b>	ROH Activities and Facilities <b>PPROJ</b>	MODULE EXAMINATION- 1HR	SPARE	
24-04-2021	Saturday - Weekly Rest				
25-04-2021	Sunday - Weekly Rest				
26-04-2021	Overview of Welding processes-I <b>AP(EM)</b>	Overview of NDT <b>CI(EM-2)</b>	Destructive Testing of Materials <b>LECT. (EM)</b>	PRESENTATION TECHNIQUES <b>PMECH</b>	
<b>BIND EM New (27-04-2021 to 28-04-2021) - AP(EM)</b>					
27-04-2021	Basic Ferrous Metallurgy <b>CI(EM-2)</b>	Failure Investigation Techniques <b>LECT. (EM)</b>	Introduction to Steel and their Types <b>CI(EM-2)</b>	e-Tendering <b>PMECH</b>	
28-04-2021	Corrosion Basics <b>CI(EM-3)</b>	Quality Issues in welding & introduction to ISO 3834 <b>AP(EM)</b>	Stainless Steel Welding and associated problems <b>AP(EM)</b>	Testing of Lube Oil, Fuel Oil and Bio Diesel <b>LECT. (EM)</b>	
29-04-2021	IMS in IR-I <b>CI(EM-2)</b>	GROUP DISCUSSION & INTERACTION (Case Study Base)-2HR	MODULE EXAMINATION- 2HR		

Every 1 hr of lecture is followed by a 5 minute break

<b>BIND-DIESEL (30-04-2021 to 06-05-2021) - PDT</b>				
30-04-2021	General Arrangement –Diesel Loco (ALCO) <b>LECT(E)</b>	Diesel Engine Fundamentals & VT Diagram & Diesel Components <b>LECT(DSL)</b>	Power Pack + ALCO Modifications <b>LECT(E)</b>	ELECTRICAL TRANSMISSION ON LOCO <b>CI(DSL)</b>
01-05-2021	Saturday - Weekly Rest			
02-05-2021	Sunday - Weekly Rest			
03-05-2021	Compressor & Compressed air system <b>LECT(E)</b>	Major Systems of Diesel Locos (Fuel Oil & Lube Oil Systems) <b>LECT(DSL)</b>	Rotating Machines - ALCO <b>CI(DSL)</b>	MEP & MCBG (DSAL) <b>CI (DSL ELECT)</b>
04-05-2021	Major Systems of Diesel Locos (Charge Air & Water Cooling Systems) <b>LECT(E)</b>	Failure Investigation in Diesel(ALCO) <b>LECT(E)</b>	HHP Loco Introduction & General Arrangement <b>LECT(DSL)</b>	Traction Converter Cabinet <b>LECT(E)</b>
05-05-2021	Overview of Mechanical & Electrical Systems of DEMU <b>LECT(E)</b>	Mechanism of Derailment, Nadal Formula, P Way Parameters <b>CI(C&amp;W-2)</b>	Rotating machine & Dynamic brake of HHP loco <b>CI(DSL)</b>	IGBT Based EMD-ii <b>LECT(E)</b>
06-05-2021	Power Pack(HHP) <b>LECT(DSL)</b>	HHP Loco Shed Management + Scheduled Maintenance <b>LECT(DSL)</b>	CCB & Water cooled Compressor <b>LECT(E)</b>	Loco Operations <b>CI (DSL ELECT)</b>
07-05-2021	Major Mechanical system of HHP/ GM loco-I (LOS & WCS) <b>LECT(DSL)</b>	Accident Manual, Accident Enquiries & Measurements at accident site <b>PMIS</b>	Trip Ration & Fuel Management <b>CI(DSL)</b>	
08-05-2021	Saturday - Weekly Rest			
09-05-2021	Sunday - Weekly Rest			
10-05-2021	DEMU Schedule Maintenance-1H <b>LECT(E)</b>	Frontiers of Diesel Tech in Rlys <b>LECT(E)</b>	Comparison of HHP & ALCO,HHP loco failure <b>LECT(DSL)</b>	
11-05-2021	Role of Crane and Its operation at sites <b>PMIS</b>	Preparation For Examination	MODULE EXAMINATION- 2HR	
12-05-2021	Workshop Management &PCO <b>PPROJ</b>	Incentive schemes-CLW & GIS <b>CI (WMT)</b>	Electrical Infrastructure in Workshops <b>CI (ELECT)</b>	Daily Quiz
13-05-2021	Fundamentals of Indian Railway Rolling Stock Code <b>PPROJ</b>	Wheel Axle Planning & CTRB <b>CI (WMT)</b>	SOP,Office Procedure <b>CI(EM-2)</b>	Daily Quiz
14-05-2021				
15-05-2021	Saturday - Weekly Rest			
16-05-2021	Sunday - Weekly Rest			
17-05-2021	Calibration & Measuring Instruments <b>CI (WMT)</b>	Workshop Statistics - Workshop Portal, 100 days/ 180 days Failures, NTRX <b>PPROJ</b>	GCC, Tenders & Contracts – Dos & Don'ts <b>CI(LIB)</b>	Daily Quiz
18-05-2021	Working with Mechatronics <b>CI (WMT)</b>	Workshop Accounts <b>PRST</b>	Working with CNC Turning & Milling Machines <b>CI (WMT)</b>	Daily Quiz
19-05-2021	RSP <b>PMIS</b>	Introduction to E-Office <b>PRST</b>	Electric Loco Basics <b>CI (ELECT)</b>	Daily Quiz
20-05-2021	e-Tendering <b>PRST</b>	Works Program, M&P and T&P Infrastructure in Workshops <b>PPROJ</b>	MODULE EXAMINATION- 2HR	
21-05-2021	PROJECT PRESENTATION- 2 HR	PROJECT PRESENTATION- 2 HR	VALEDICTORY SESSION	VALEDICTORY SESSION- 1 HR

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