

### Details of the Positions:

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Position Code	Position	Vacancy	Qualification	Post Qualification Experience (PQE)	Indicative Job Description
<b>(101)</b>	Assistant Manager  (Gr. III)  Vehicle control circuit Design	2	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 4 Years in Electrical circuits and hardware and logical circuits etc., electrical tool experience is desired	The incumbent will be responsible for the <ul style="list-style-type: none"> <li>• Design of electrical low voltage circuits and Logical circuits for rolling stock.</li> <li>• Release of cable harness charts for production team.</li> <li>• Design validation in Prototypes</li> <li>• Preparation of design documents and obtaining clearance.</li> </ul>
<b>(102)</b>	Engineer  (Gr. II)  Vehicle control circuit Design	4	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 2 Years in circuit design & Modification activities of Rolling Stock, Loco or Rail product, Preferable exposure to Drafting Tools like, E-plan, E3, Auto CAD, Harness modules.	The incumbent will be responsible for Electrical Production Equipment (Earth Brush, TRCC), Lighting Systems & HECP and the preparation of Electrical Drafting through E-Plan.
<b>(103)</b>	Assistant Manager  (Gr. III)  Outfitting Design	1	First Class Degree in Mechanical Engineering from a recognized	Minimum experience of 4 years in interiors of rail / metro like Interior panels, drivers cab, Seats, berths etc. Knowledge of CATIA is required	The incumbent will be responsible for the Design of interiors like GFRP panels, Drivers cab, Nose cone and the Design of seats, berths and partitions.



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			University / Institution.		
(104)	Engineer (Gr. II) Outfitting Design	5	First Class Degree in Mechanical Engineering from a recognized University / Institution.	Minimum experience of 2 years in mechanical design, exposure to GFRP materials, Rubber material and vehicle interior designing is preferred. Knowledge of Rail industry EN and UIC standards will be an added advantage. 3 Years of experience in CATIA, AutoCAD and hand on exposure of simulation tools like Hyper-mesh, LS Dyna and Nastran is preferred.	The incumbent will be responsible for the Design of Interior Panel, HVAC, Coupler & Interface, Cab Mask & Cab Equipment Design(Driver Seat, Cab Desk) and will also be responsible for the Procurement Process.
(105)	Assistant Manager (Gr. III) Propulsion/ APS	4	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.  M. Tech in Electrical Engg., will be an advantage.	Minimum Experience of 4 Years in Design, Testing & Validation of Propulsion system, Exposure to APS, Traction Motor, Traction Transformer and other Propulsion System Aggregates. Exposure to SEC simulation, Auxiliary Load Calculation.	The incumbent will be responsible for the <ul style="list-style-type: none"><li>• Design coordination with Propulsion Supplier and APS load calculation and SEC.</li><li>• Study of customers' rolling stock requirements and preparation of functional requirement specification of Traction drives and controls.</li><li>• Preparation of design documents and obtaining relevant clearances.</li></ul>
(106)	Manager (Gr. IV) Signalling/ EMC/ PA/PIS/ TCMS	2	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 8 Years in Network, Logical, data and communication Interface with dynamic systems, knowledge in EMI/ EMC	The incumbent will be responsible for the <ul style="list-style-type: none"><li>• Study of customers' rolling stock requirements and preparation of 'Software/ Functional Requirement Specifications' of PA/PIS and TCMS and 'EMI/EMC tests documents relevant to Rolling stock standards'.</li><li>• Engaging consultancy to carry out EMI/EMC tests on Rolling stock at sites.</li><li>• To study, documentation</li></ul>



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					and execute Interface activities between Rolling stock and Signaling. • Preparation of design documents and obtaining relevant clearances.
(107)	Assistant Manager (Gr. III) Signalling/ EMC	1	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 4 Years in Design, Testing & Validation of Propulsion system, Exposure to TCMS, Signaling & Telecom Interface, EMC Analysis & Testing.	The incumbent will be responsible for the Signaling Interface activities with Designated Signaling Contractors for ICD preparation, Field Trails and Validation
(108)	Engineer (Gr. II) PA/ PIS	1	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 2 Years in Design, Testing & Validation of Communication system. Exposure to Papis, CCTV, Train Radio Aggregates. Exposure to On-board Train Communication & Networking and interface with TCMS, Signaling & Telcom system over Ethernet platform.	The incumbent will be responsible for the Design of PA/PIS System, Interface with Signaling & TCMS supplier.
(109)	Assistant Manager (Gr. III) TCMS	2	First Class Degree in Electrical (or) Electronics Engineering from a recognized University / Institution.	Minimum Experience of 4 Years in Design, Testing & Validation of TCMS. Exposure to TCMS interface with onboard sub-systems such as Signaling, Train Radio, Propulsion, Brake, Papis & CCTV etc. Exposure to Consist & Train network; Train to Ground Communication and GUI for TCMS VDU, RSC etc.	The incumbent will be responsible for the Design Coordination with TCMS supplier and Subsystem interface.
(110)	Engineer (Gr. II) Wayside	1	First Class Degree in Electronics and Communication Engg. Discipline from a recognized	Minimum Experience of 2 Years in Design, Testing & Validation of TCMS. Exposure to onboard & wayside monitoring systems of rolling stock assets such as Track,	The incumbent will be responsible for the design of Wayside & On board condition Monitoring systems and coordination for interface with TCMS, Signaling, OCC and



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			University / Institution.	OHE, Pantograph, Carbon strip etc. Exposure to TCMS Interface, Train to Ground Communication, Wi-Fi Network setup, Interface with other Depot Assets, ERP Management system etc.	For TCMS Wi-Fi Network Commissioning.
(111)	Assistant Manager (Gr. III) System Engineering	1	First Class Degree in Mechanical Engineering from a recognized University / Institution.	Minimum Experience of 4 Years in Noise and vibration/ RAMS / LCC	The incumbent will be responsible for the Preparation of documents related Noise and vibration, RAMS and LCC on rolling stock systems.
(112)	Engineer (Gr. II) System Engineering	2	First Class Degree in Mechanical Engineering from a recognized University / Institution.	Minimum experience of 2 years in Mechanical/Mechatronics design. Exposure to system engineering concepts, RAMS, technical documentation. Knowledge of Rail industry EN and UIC standards will be an added advantage. 3 Years of experience in CATIA, AutoCAD is must.	The incumbent will be responsible for the simulator, mock-up, RAMS, Track parameter calculations, Weight calculations, stack-up analysis, Noise and Vibration, Fire load calculations.
(113)	Assistant Manager (Gr. III) Simulation	3	First Class Degree in Mechanical Engineering from a recognized University / Institution.  M.Tech in Structural Engg., will be an advantage.	Minimum experience of 4 years in mechanical design with exposure to different industrial steel materials.  Among the total experience, should have a minimum of 3 years of experience in FEM / Structural simulation using tools like Hypermesh, ANSYS, NASTRAN, LS Dyna etc.  Knowledge of Rail industry EN and UIC standards will be an added advantage.	The incumbent will be responsible for the Structural simulation of car body, crash simulation. Structural analysis of mechanical structures and meshing.



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(114)	Assistant Manager (Gr. III) Bogie	1	First Class Degree in Mechanical Engineering from a recognized University / Institution.  M.Tech will be an advantage.	Minimum experience of 4 years in design of Bogie for rolling stock.	The incumbent will be responsible for the Design of Bogie, validation/testing.
(115)	Assistant Manager (Gr. III) Brake System	1	First Class Degree in Mechanical Engineering from a recognized University / Institution.  M.Tech in related areas will be an advantage.	Minimum experience of 4 years in Brakes system design/ engineering for rolling stock	The incumbent will be responsible for the Design of Brake system, validation/testing.
(116)	Assistant Manager (Gr. III) Machine & Plant	1	First Class Degree in Mechanical Engineering from a recognized University / Institution.	Minimum experience of 4 years in Rolling Stock Maintenance, Interface with Civil Contractors for M&P erecting and testing. Procurement of M&P and planning of Maintenance activities on systems like Pit wheel lathe, Mobile jacks, Bogie turn tables, Fork Lifts, Compressor lines, RRV, Battery Locos, EBT, Wash Plants, etc.	The incumbent will be responsible for the PTS and Tendering activities of M&P equipment of Metro Projects and Coordination with Civil Contractors of Depot & Stations.

**Note:** Candidates with Degree in Engineering from allied branches of Mechanical /Electrical/ Electronics too can apply for the relevant positions as applicable, however, they must possess relevant experience as mentioned under PQE.



### Category wise vacancy break-up:

Grade	Position	UR	SC	ST	OBC (NCL)	EWS	Total
Grade – II	Engineer	7	2	0	3	1	13
Grade – III	Assistant Manager	9	2	1	4	1	17
Grade – IV	Manager	2	0	0	0	0	2

### Eligibility, Pay Scale & Remunerations:

Grade	Position	Post Qualification Experience (PQE)* (in Years)	Upper Age Limit (in Years)	BEML Pay Scale
Grade – II	Engineer	2	27	Rs.40,000 – 1,40,000
Grade – III	Assistant Manager	4	30	Rs.50,000 – 1,60,000
Grade – IV	Manager	8	34	Rs.60,000 – 1,80,000

\* PQE is the **minimum** relevant experience the candidate should possess after obtaining the qualification, calculated from the completion of Engineering as advertised.

Besides Basic Pay, candidates will be eligible for Variable Dearness Allowance, Perquisites & Allowances @ 13.78% of the applicable Basic Pay under the Cafeteria System, Company Accommodation / House Rent Allowance. Besides Provident Fund, Gratuity etc. will be paid as per the prevailing Company Rules. The executive will also be eligible for Performance related Pay (PRP).