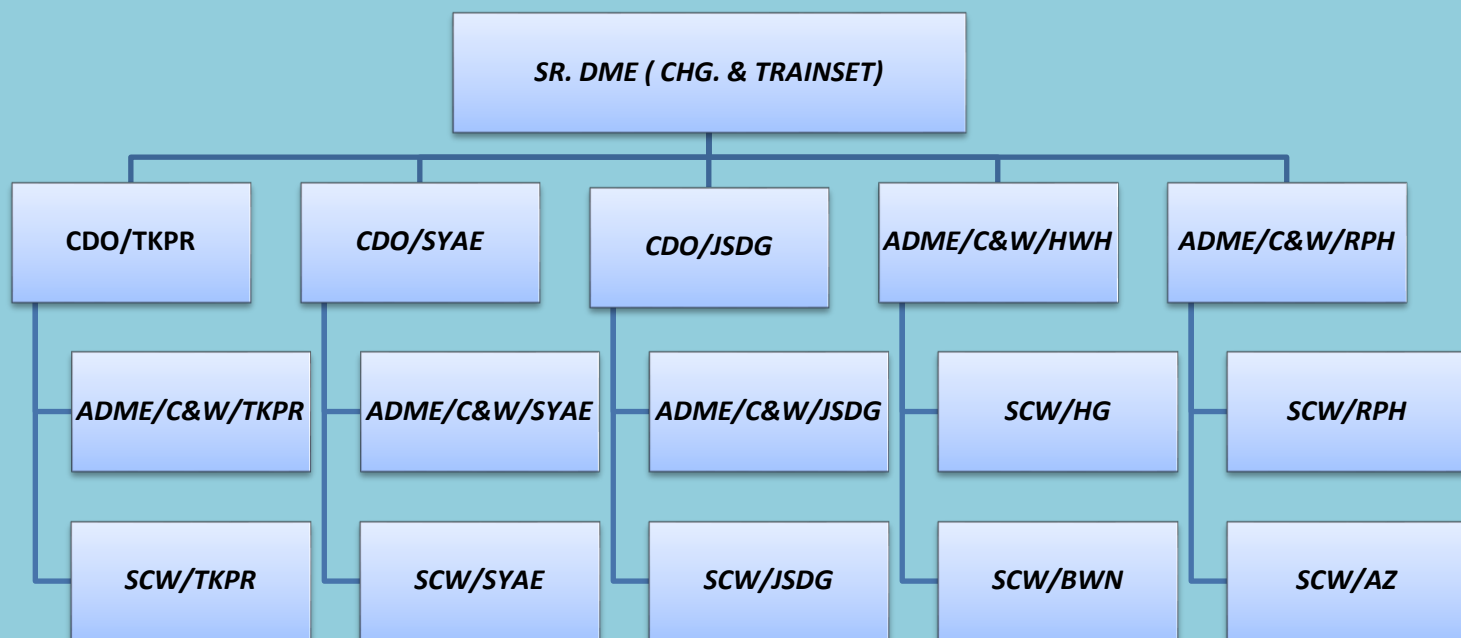


Organization Chart



Major assets of Coaching & TS wing of HWH Division:

1. Tikiapara Coaching depot
2. Sorting Yard Coaching Depot
3. Jheel Siding Coaching Depot
4. Azimganj Coaching depot
5. Rampurhat Train Passing Station

1. TIKIAPARA COACHING DEPOT



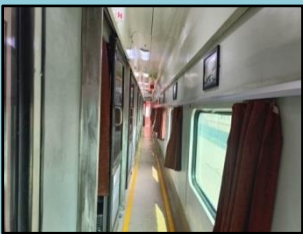
Tikiapara Coaching Depot is one of the largest Coaching Depot of Indian Railways dealing only with Coaching Stock including running of LHB trains including premium trains like Rajdhani, Shatabdi and Duranto Express. This depot also maintains Saloons of GM/PHODs.

- Number of rakes- 37 (28 LHB, 9 ICF)
- Total number of services- 20 train services, 6 Round Trip services
- Total Deep Pit Lines at TKPR Coaching Depot –14 Nos.
- CAMTECH Pit Lines – 09 Nos. (7 with Cat Walk, 02 without)
- Non Standard – 05 (Shallow Pit)
- Total 34 lines including 8 Sickline

Major Assets- Mechanized laundry Plant (**MLP of 4.5 T per shift capacity**), Automatic Coach Washing Plant (**ACWP**), Effluent Treatment Plant (**ETP of 3.5 MLD Capacity**), **Wheel lathe**, **MDSTC** (Multi-disciplinary Specialized Training Centre)



The Pride of TKPR Coaching Depot **“Rajdhani Express”**



- The Howrah–New Delhi Rajdhani Express is one of India’s premier long-distance trains, linking Kolkata (Howrah) with the national capital, New Delhi. Operated as a fully air-conditioned, high-priority Rajdhani service maintained at Tikiapara Coaching Depot, it offers fast, comfortable travel with limited stops and priority on the network. The rake typically includes AC First (or Executive), AC 2-tier and AC 3-tier coaches (modern LHB coaches on many runs), and provides onboard meals and catering included in the fare.

Favored by business travelers and those needing a quick, reliable connection between eastern India and the capital, the Rajdhani is known for punctuality, higher operating speeds, and an emphasis on passenger comfort and service. Overall, it remains an important and iconic link between two major metropolitan hubs.



2. SORTING YARD COACHING DEPOT



Coach Maintenance began at the New Coaching Complex, Sorting Yard, on 15th August 2001 with a single pit. By 2018, the depot expanded to 06 deep pits, each capable of accommodating 22 – coaches LHB and 24-coach ICF rakes. The depot maintains 10 Primary, 03 HWH-based RT, 01 Secondary Maintenance, and 04 RT–FR based trains on 06 deep pits and 04 washing aprons. It handles prominent long-distance trains such as **12311 Netaji Express**, **12307/22307 HWH–JU/BKN**, **12345 Saraighat Exp**, **12321 Mumbai Mail**, **12331 HWH–Jammu Tawi**, and **12371 Jaisalmer Exp**.

Night and evening shift maintenance with full night-maintenance facilities. All coaches are equipped with Bio-toilet systems. The depot is the only facility in Howrah Division with a Bio-toilet effluent testing laboratory. Recently, Netaji Mail(12311Up), Balurghat Express(13063Up), Raxaul Express (13043UP) has been converted from ICF rake to LHB rake, marking a major Upgradation in passenger safety and comfort.

3. JHEEL SIDING COACHING DEPOT

Jheel Siding is an **emerging maintenance depot** of Eastern Railway for **Vande Bharat (VB)** train maintenance. The depot maintains **four Vande Bharat trains**, including one **spare rake**, with a total VB coach **holding capacity of 56 coaches**. The rakes are presently serving as the **HWH–NJP Vande Bharat Express**, **HWH–GAYA Vande Bharat Express**, and **HWH–JMP Vande Bharat Express**. The Depot equipped with essential depot facilities required to carry out SS-1 maintenance activities for Vande Bharat trains. So far, SS-1 of the 7 Vande Bharat rakes such as IC2005, IC2017, IC2015, IC2027, IC2031, IC2033, and IC204 has been successfully completed.”



Jheel Siding Depot also maintains **five primary ICF rakes**, comprising one **passenger train** and **four express trains**, with a total **ICF coach holding of 178 coaches**. The rakes are presently serving as the **HWH–AZ Passenger**, **HWH–DGHR Mayurakshi Express**, **HWH–JYG Express**, **HWH–GAYA Express**, **HWH–AZ Kaviguru Express**, and **HWH–MKA Express**. The depot has **five maintenance pit lines**, which include **two 3-tier CAMTECH pits**, **two 2-tier CAMTECH pits**, and **one non-standard pit line**. The depot is equipped with **four watering lines**, **six stabling lines**, and **two sick lines**. A **Heavy repair shed** with two lines of **100 m** length each, equipped with four **deep pits of 26 m** length. A **Solar Power Plant** with a **total capacity of 600 KWP**, covering both the **heavy repair shed** and the **Vande Bharat maintenance shed**.

4. AZIMAGANJ COACHING DEPOT



Status: One of the oldest Coaching Maintenance Depots on Indian Railways
Control: Sr. DME/Chg. & Train Set, Total Coach Holding: 50 coaches,
Maintenance Activities, Primary Maintenance: 05 Passenger rakes, Round Trip/Turnaround Maintenance: 26 trains attended platform level, Coach Type: ICF coaches maintained.

5. RAMPURHAT TRAIN PASSING

Rampurhat is train passing depot of Howrah division, eastern Railway for rolling examination of coaching & freight train and enroute attention. The depot examine rolling of 60-70 freight train & 70-80 coaching train on daily basis. Enroute failures are attended at RPH which are detected during rolling examination. The depot comprises two rolling point HWH end & DLI end with proper tools and safety items (Helmet, Luminous jacket, etc).Rolling light are available at both rolling point for proper rolling examination at night. Rampurhat depot is watering point for watering of enroute coaching train & terminating train. Water facilities are available for platform no.- 01A, 01,02,03,04 & VIP Sidings. It attends all rail-Madad complains regarding watering & cleaning of enroute trains.



★★ Good Work Done ★★

Informative LHB Wall/TKPR & SYAE



● **TKPR Coaching Depot & SYAE Depot** to enhanced learning and increase sensitivity among employees, TKPR Coaching Depot & SYAE Depot has set up an Informative LHB Wall at the Sickline Shed. Accordingly, a dedicated informative display board, named “LHB Wall,” has been designed and provided, ensuring that all relevant technical data, operational instructions and essential guidelines are readily available. This display system not only supports day-to-day working but also facilitates presentations, staff counseling and awareness programmers in a skilled manner.

Advantages:

- Acts as a handy ready reference book for technical staff in day-to-day work.
- Facilitates staff counseling, awareness programs, and technical presentations.
- Prepares towards standardization, safety, and productivity.
- Develop a knowledge-sharing culture and shed up-gradation.



Artificial Rain Simulator/SYAE

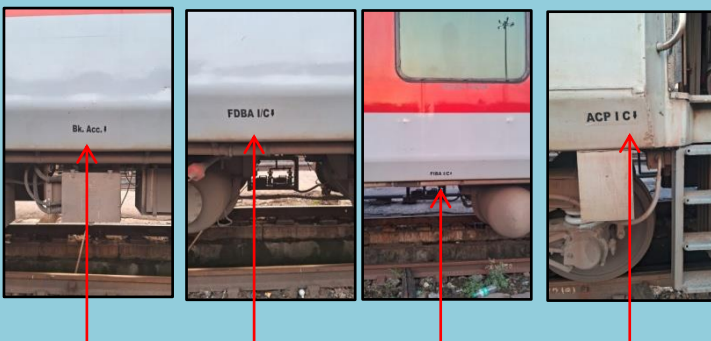


● An effective and innovative arrangement to check water leakage in coaches, HWH division has developed window and roof shower testing machine. This system has been extensively utilized during the monsoon drive for conducting water leakage tests at the Pit line.

Window and Roof Shower Testing Machine/TK



3D STICKERS FOR ISOLATING COCK IDENTIFICATION



● To address recurring cases of misreporting and incorrect operation of isolating cocks (ICs) by en-route crews leading to punctuality loss and inadvertent suppression of safety-related issues. Tikiapara Coaching Depot has implemented a focused identification system. Over 400 coaches have been equipped with 3D stickers at the bottom car line, accurately marking the position of under-gear ICs for easy and precise identification by operating and attending staff.

“INSTANT SEVA STICKERS”

● **Objective:** - Instant “SEVA” Stickers is the way of quick communication medium in between passenger & on-board escorting staffs.

● **How its work:** - This sticker having contact number with QR code of concerning departments (C&W and Electrical) & it is pasted at preferable visible place.

To take quick response from available on-board staff, passengers can easily contact the required concerning department by dialing provided phone number or scanning the QR code.

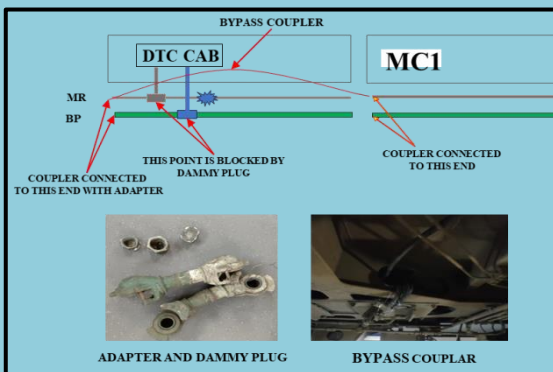


INTRODUCTION OF DIGITAL VOLTMETER FOR FDBA

● **Objective:** - Digital voltmeter is installed to check easily the power unit's battery voltage of FDBA. To avoid this time consuming problem, a digital voltmeter has been installed outside of power unit box & easily the voltage is checked from outside without opening the power unit box.



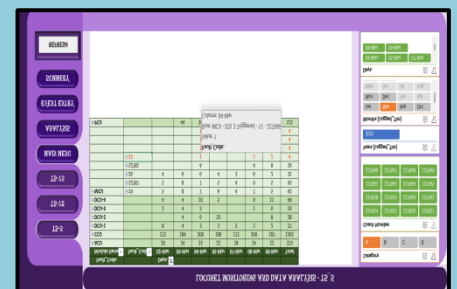
MODIFIED BYPASS COUPLER FOR VANDE BHARAT



● The **Modified Bypass Coupler** is installed in the **DTC** to maintain **MR** and **BP** pressure during enroute failures caused by **MR/BP pipe breakage**. In such cases, the rake normally experiences **parking brake, service brake, horn failure, and traction prohibition**, making movement impossible until the damaged pipe is repaired. To address this issue, **Eastern Railway** has introduced a **bypass coupler** equipped with an **adapter** and **dummy plug**, which enables **MR/BP air supply** to reach the **DTC** by **bypassing the damaged section**. This arrangement ensures **brake release, traction restoration, and effectively prevents detention** of the Vande Bharat rake during such incidents.

ANALYSIS AND TROUBLE SHOOTING USING LOCO NET

REMMLOT is a monitoring and analysis system developed by **M/s Medha** to track Vande Bharat train performance, providing rake-wise **fault codes, SHM, and LGM** data for detailed evaluation. The system generates a large volume of operational data daily, which is simplified through **in-house software developed by Eastern Railway** to make fault identification faster and more efficient. The platform offers **Real-Time Monitoring**, allowing live tracking of multiple rakes, automatic segregation of **critical fault codes**, and reduces operator workload by over 90%. The **Data Analysis** module presents fault codes in structured form, supports smart filtering (by category, date, month, year), identifies recurring patterns, assists in root-cause analysis, and links codes with OEM troubleshooting procedures. Further, the **SHM/LGM** feature provides parameter-wise insights (EP brakes, air suspension, traction, ACU, VCB, pantograph, transformer etc.), enabling detailed health assessment and



★ ★ ★ Coach Upgradation at TKPR & SYAE ★ ★ ★



- Retro-reflective stickers are specialized safety markings pasted on the floor of TKPR based trains to enhance visibility and passenger guidance, especially during low-light or emergency conditions.

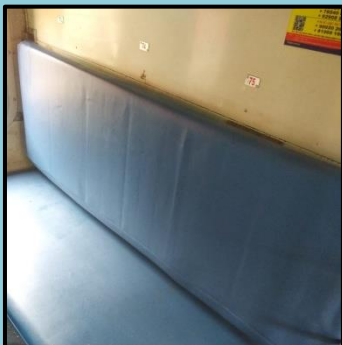
- Epoxy flooring in lavatories of TKPR& SYAE-based coaches is a high-strength, waterproof, and seamless protective floor coating applied to improve durability and hygiene inside the coach. The flooring consists of epoxy resin and hardener, which chemically bond to form a tough, non-porous surface once cured.



- Design vinyl stickers have been newly applied on the lavatory doors to enhance the interior aesthetics of the coach. These stickers feature attractive geometric and floral patterns, providing a modern and visually appealing look. The vinyl material used is durable, water-resistant, and easy to clean, ensuring long service life even under frequent usage conditions.



- Vinyl wrapping on Destination board are pasted in HWH division trains to enhance the aesthetic appearance and durability of Destination board.



- New berth rexine fitted in coaches of TKPR& SYAE based trains is a durable, water-resistant, and easy-to-clean upholstery material used for covering passenger berths. The upgraded rexine provides improved comfort, appearance, and longevity, replacing worn-out or damaged covers.



INNOVATION OF "QR CODE OF MDSTC(C&W)

- **Objective:** - With the help of this QR code any one can easily access all the training related study material of the training center.
- **How its work:** - This QR code arrangement is a single window point, where trainees or staff scan access all rolling stocks (ICF, LHB, Goods & VBE) related documents like study material, modification work letter by scanning through mobile & all available data in QR may save in mobile for future reference. It has been pasted attaining school & also given to different point of Tikiapara coaching complex for pasting to their noticeboard for easy access



- Tikiapara Coaching Depot recognizes and appreciates the outstanding contribution of its staff/members who have demonstrated exceptional dedication, efficiency, and professionalism in their duties.

Certificate of Appreciation



**Thank you
Coaching & Trainset Wing
Howrah Division
Eastern Railway**