

MECHANICAL (C&W) DEPARTMENT
SEALDAH DIVISION

COACH MAINTENANCE POINTS & EXTENT OF ACTIVITY

Sealdah Coaching Depot –

1. It is a mega coaching depot maintaining Total Twenty-six (26) pairs of trains, Out of 26 pairs of train 24 numbers are attended Primary maintenance & 2 numbers are attended Round trip maintenance including SDAH-NDLS Rajdhani & Duranto Express, SDAH-PURI Duranto Express, SDAH-JAT Hamsafar Express, SDAH-DLI Sampark Kranti Express of which following trains running with LHB coaches.

- i) 12313/14-SDAH-NDLS Rajdhani Express (Primary)
- ii) 22201/02- SDAH-PURI Puri Express (Primary)
- iii) 12259/60-SDAH-All Duranto Express(Primary)
- iv) 12329/30-SDAH-DLI Sampark Kranti Express(Primary)
- v) 12379/80-SDAH-ASR Jallianwalabagh Express(Primary)
- vi) 22317/18-SDAH-JAT Hamsafar Express(Primary)
- vii) 12377/78-SDAH-NOQ Padatik Express(Primary)
- viii) 12343/44-SDAH-APDJ Darjeeling Mail(Primary)
- ix) 13189/90- SDAH-BLGT Express(Primary)
- x) 12987/88-SDAH-All Ajmer Express (Round Trip)

Total Coach holding of this depot is about 916 coaches (ICF & LHB coaches).

2. In addition of coach maintenance activities one 4 Ton capacity Mechanized Laundry plant also maintained. Production of mechanized laundry plant is supplied to upper class passengers of impotent & prestigious Sealdah Based mail express trains.

3. Bio-Toilet Effluent testing laboratory has been developed Sealdah C&W Depot for in-house testing of the discharged waste-water as well as the effectiveness of Bio-toilet system. Out of 3 Nos. stipulated tests, 1 set done in in-house laboratory and other 2 tests done as a regular measure by AMAC Bio-toilet contractual work by M/s Banka Biolo Ltd.

- pH Value of the Effluent in respect of temperature. – Test by in-house.
- Chemical Oxygen Demand (COD) Test in the effluent. } Test by NABL approved
Fecal Coliform Counts (FCC) Test in the effluent. } Lab.

Bio Toilets in Trains: 1589 coaches have been provided with fitment of 5849 Nos. bio-toilet having 100% working.

Kolkata Coaching Terminal –

1. This depot maintains both rolling stock Coaching & Goods. Kolkata Terminal was opened on 30/01/2006. At present Thirty five (35) mail express & passenger's trains are maintained including Two International train KOAA-DHAKA Maitree Express & KOAA-Khulna Bandhan Express.

Out of Thirty five (35) numbers of trains, Twenty four (24) are attended primary maintenance, Eight (8) are turnaround maintenance & Three (3) Secondary maintenance. Coach holding of this depot is about 621 coaches.

The following trains running with LHB coaches:

1. 12317/18 – KOAA-ASR Akal Takt exp.(Primary)
 2. 12315/16 – KOAA-UDZ – Ananya Exp. (Primary)
 3. 12319/20 – KOAA-AGC – Agra Cantt. Exp. (Primary)
 4. 12357/58 – KOAA-ASR – Durgiana Exp. (Primary)
 5. 13135/36 – KOAA-JYG - Jainagar Express(Primary)
 6. 13167/68 – KOAA-AGC – Agra Cantt. Exp. (Primary)
 7. 22323/24 - KOAA-GCT – Shabd Bhedi SF Exp.(Via BSB) (Primary)
 8. 13121/22 – KOAA-GCT – Gazipur City Weekly Exp. (Via CPR) (Primary)
 9. 13109/10 – KOAA-DHAKA – Maitree Exp. (Primary)
 10. 13129/30 – KOAA-Khulna – Bandhan Exp. (Primary)
 11. 13181/82 – KOAA-SHTT – Kaziranga Exp. (Primary)
 12. 13151/52 – KOAA-JAT – Jammu Tawi Exp. (Primary)
 13. 13161/62 – KOAA-BLGT – Balurghat Exp. (Primary)
2. Automatic Coach Washing Plant is able to achieve complete exterior cleaning of a rake of 24 coaches in about 15-20 minutes time while being placed on the pit line, for primary/secondary maintenance. Total Length of Apron - 61500 mm.
 3. Water recycling plant incorporates ETP and associated pumping arrangement; result in 80% water getting recycled. Since otherwise also the water is more efficiently utilized the overall net water consumption is around 10-15% of that required in normal manual cleaning process.
 4. In addition of coach maintenance activities one 5.0 Ton capacity Mechanized Laundry plant test runs of functional operational of the Mechanized Laundry completed successfully. Production has been started from 15/09/2022 by M/s Band Box Ltd. Average of laundry production is 5000 pkts/day.

5. Krishnapur Coaching Depot –

This depot is situated at extreme end Murshidabadh Dist. (W.B.). Only Kolkata Sealdah Lalgola bound Trains are attended this depot as terminal examination. Turn around maintenance of 03 Mail/Express & 04 Passenger trains is done here.

WAGON MAINTENANCE POINTS & EXTENT OF ACTIVITY

Chitpur Freight Depot –

This depot also caters Goods activity such as examination of C.C., Premium, End to End, Revalidation/Safe to run Examination and sick line repair.

Naihati Freight Depot –

This depot deals only with Freight Stock such as Intensive examination of C.C., Premium & End to End, sick line repair, examination & repair of BDR trains and ROH. Condemnation of C&W stock is done at RE Siding/Naihati.

Highest ever ROH outturn of 320 wagons achieved in the month of Aug'23 & Jan'24 against the monthly target of 290 wagons.

One of the most important activities of goods stock as Routine Overhauling of BLC, BLL, BCN, BTPN & BFKHN wagon is done at Naihati C&W depot and for which a separate ROH shed equipped with EOT Crane, Wheel turning Lathe, CTRB Mounting & Dismounting facilities have been available in ROH Shed.

PC Based Non- Contract Type, Camera Based Intelligent Bogie Spring Sorting, Colour Coding and Height Measurement System.

NH ROH Shed Spring Section is well maintained and equipped with latest model of PC based non-contact type Spring sorting, Colour Coding and height measuring equipment, which can be used for rapid checking and grouping of the springs. This is introduced in Eastern Railway for the first time.

The machine is inaugurated by Hon'able GM/E.Rly on dated 11/12/22.

The machine are used for proper gauging of spring, also grouping of pairing of Spring is done accurately, parallely colour of each group provide with accurate manner. Data of Height measurement with high accuracy is automatically saved by this machine. Overall, it is a very User-friendly machine for NH ROH depot.

Newly constructed Dust free CTRB Room inaugurated by Hon'ble Sri Arun arora, General Manager, Eastern Railway , on dated 11th December 2022.

This was needed for Mounting and dismounting of CTRB at NH ROH depot. The room is fully air tight to prevent entry of dust particles which reduces Life Span of CTRB. It was now came in effect with getting the following advantages:-

Automatic sensible door is provided here which prevent entry of dust particles inside the room as less as possible.

Providing of E-Pixy flooring help to abstain for gathering and sticky of dust particles on floor.

One Turn table is also provided here to turn wheel Set easily with less time. And also Mounting/Dismounting machine can be kept in stable position.

Max space is available for mounting and dismounting of CTRB here.

Work related Instruction is also provided here which help staff and supervisor also for proper guidance about Mounting/Dismounting of CTRB.

One AC is provided here for maintaining temperature properly inside the room. Also, a Portable Cabin is provided here for maintaining record of CTRB.

HBD has been installed to detect hot axle of all incoming freight stock.

'C' category repair of BOXN-MS & BOXN-SS has been undertaken for repair from 21/07/2022 RFTP of BLC/BCN & BOXN is going on.

BLC to BLCM is going on which will help Railways to generate more revenue.

Ranaghat Freight Depot -

Mainly dealing with checking/examination, billing of damage & deficiency for Bangladesh bound trains via Gede-Darsona and Petrapole-Benapole International Border Including execution of customs clearance activities.

One "B" Class ART & ARMV is provided at RHA Depot which is under Carriage & Wagon Department. The ART functions over Naihati to Lalgola, Gede & Ranaghat Bangaon section. The ARTs is equipped with LUCAS Type Re-railing equipment and other accessories as recommended by High Power committee. 18 staffs are attached with ART.

Budge Budge and Majherhat Freight Depot -

Budge Budge depot mainly deals with End to End examination of newly built BOXN wagons.

Majerhat depot is under control of Budge Budge Depot, attended Close Circuit (CC) rake, Premium & End-to-End (ETE) rake examination & repair work of BLC, BLL & BFKHN rakes of CONCOR. Initially this depot operated in two shifts and at present working for 24 hrs i.e. three shifts to avoid detention of Rakes and Engine.