

# यांत्रिक विभाग की महत्वपूर्ण गतिविधियाँ

## IMPORTANT ACTIVITIES OF MECHANICAL DEPARTMENT

### 1. विभिन्न स्टेशनों पर गतिविधियाँ

#### 1. Stationwise activities

गोंदिया

Gondia

#### Infrastructure

- i. Two Pit Lines of Length 660 m and 600 m with watering facility.
- ii. IOH shed/Sick Line: Covered shed of 35 x 17 x 16 Meters.
- iii. Bio Digester Lab.
- iv. Coach watering facility in all platforms.
- v. Rolling in examination in UP & DN line.
- vi. Disaster management facilities with HS-SPARME, ART Class-A and 140T crane.
- vii. Hand Crane for wheel changing.
- viii. Automatic Coach Washing plant.

#### Activities

- i. Presently, Primary Maintenance of 2 Janshatabdi LHB Rakes.
- ii. Other End Maintenance of 4 Mail/Express, 4 MEMU & 03 DEMU.
- iii. IOH of division based all PCV & OCV.
- iv. Disaster Management Activities including 140 Ton Crane.
- v. Rolling in examination of all Goods and Coaching Trains.
- vi. Maintenance of 4 Departmental BOBYN Rakes of the division.
- vii. Enroute Trouble Shooting in the beat of all Coaching and Goods Train.
- viii. Revalidation (Safe to run) of loaded Goods train at Gondia and nearby stations.
- ix. Mechanized Coach Cleaning in Pit Line.
- x. OBHS in Jan Shatabdi Rake.
- xi. Pest Control and AMOC of Bio Toilet in divisional PCV & OCV.
- xii. Redressal of Passenger Complaint.

## इतवारी

### Itwari

#### **Infrastructure**

- i. Pit line of 600 meter length.
- ii. Rolling in examination.
- iii. Coach watering facility in all 4 platforms.
- iv. Disaster management facilities with ART Class-B, and SPARME.
- v. Road Mobile Brake down truck based at MIB.

#### **Activities**

- i. Primary Maintenance of 06 ICF rakes of Passenger train between ITR-CWA-NIR-MFR and ITR-TMR-TRDI.
- ii. Other End Maintenance (at Platform) of 4M/Exp.spl.,4 conventional passenger & 4 MEMU passenger.
- iii. Maintenance of VP & Camping coach at pit line.
- iv. Disaster Management Activities in the beat.
- v. Rolling in examination of all terminating/originating Coaching Trains.
- vi. Enroute Trouble Shooting in the beat of all Coaching and Goods Train.
- vii. Maintenance of 2 Inspection Carriages.
- viii. Revalidation (Safe to run) of loaded Goods train at ITR.

## छिंदवाड़ा

### Chhindwara

#### **Infrastructure**

- i. Coach watering facility in all 4 platforms.
- ii. Rolling in examination.
- iii. Tool Van.

#### **Activities**

- i. Other End Maintenance of 03 Express trains, 04 Passenger trains & 2 MEMU rakes.
- ii. Rolling in examination of all terminating/originating Coaching Trains.
- iii. Enroute Trouble Shooting in the beat of all Coaching and Goods Train.
- iv. Minor Re-railment activities by tool van.

## नैनपुर

### Nainpur

#### **Infrastructure**

- i. Coach watering facility in all 2 platforms.
- ii. Narrow Gauge Rail Museum.
- iii. Disaster Management facility with ARME Scale –I.
- iv. Rolling in examination in all terminating & originating coaching trains.  
At present, all through passing coaching and Goods trains of JBP-G.
- v. Railway owned Electronic In-Motion-Weighbridge at BUQ, PNJ and CID station provided with CCTV camera at each EIMWB.

#### **Activities**

- i. Other End Maintenance of 4 Conventional passenger train & 01 DEMU(G-NIR) including watering, cleaning & watering of 02 Exp weekly trains.
- i) Rolling in examination of all terminating/originating through passing Trains.
- ii) Enroute Trouble Shooting in the beat of all Coaching and Goods Train.
- iii) Disaster Management activities in the beat.
- iv) Maintenance and Calibration of these Railway Owned EIMWBs.
- v) Wagon maintenance and Tippler activity at PJPB siding and Wagon repair at GGGS,MFR,CID & BTC.
- vi) Safe to run examination of Freight trains at NIR & Road side stations.

## डोंगरगढ़

### Dongargarh

#### **Infrastructure**

- i. Tool Van.
- ii. Hand Crane.
- iii. Wheel Impact Load Detector (WILD) is on UP line between DGG-PJB at Km No. 932/21-23.
- iv. Coach watering facility in 2 platforms.

### Activities

- i. Attending Minor Derailments and Axle Lock of locos.
- ii. Rolling in examination of all Coaching & Goods train.
- iii. Watering during Emergency Requirement and During Mela period.
- iv. Maintenance and Upkeep of WILD.
- v. Sick Repair of Wagon Stock.
- vi. Enroute Trouble Shooting in the beat of all Coaching and Goods Train.

### तुमसर रोड Tumsar Road

#### Infrastructure

- i. Railway owned Electronic In-Motion-Weighbridge with CCTV camera.
- ii. Test Rake with Standard Weights.

#### Activities

- i. Watering and Cleaning in 1 DEMU & 1 conventional rake running between TMR-TRDI.
- ii. Maintenance and Calibration of Railway Owned EIMWB
- iii. Maintenance of Test Wagons.

### बरगी , पाद्रीगंज , चिरईडोंगरी और पाटनसावंगी Bargi, Padri ganj, Chiraidongri and Patansaongi

#### Infrastructure

- i. 01 Railway owned Electronic In-Motion-Weighbridge at above four each stations provided with CCTV camera at each EIMWB.

#### Activity

- i) Maintenance and Calibration of these Railway Owned EIMWBs.

## 2.0) Coach and wagon holding:

### **i.Coach Holding:**

#### **Passenger Coaching Vehicles (PCVs):**

Type of coach	LWSCZ	LWSCZAC	LSLRD	LWLRRM		Total
LHB	29	09	03	02		43
Type of coach	WGSCZJ	WGSCZRJ	WGSCZACJ	GS/ GSCZ	GSLR/ GSLRD	Total
ICF	35	5	11	45	15	111

**Other Coaching Vehicles (OCVs):**

Type of coaches	RT/TV	RT/SV	DPC/SV	DPC/TV	RH	RHV	RA	Total
ICF	10	5	2	2	3	1	2	25

**ii. Wagon Holding (Departmental stocks):**

Type of wagon	BOBYN	BCN	BRN	Total
No. of wagon	125 (5 Rakes)	10	7	142

**3.0 Disaster Management:**

Station	Class of ART	Scale of ARME/HS-SPARME
ITR	'B' Class	3 coach SPARME
Gondia	'A' Class with Gottwald 140T BD Crane	3 coach SPARME
NIR	-	Scale-I ARME
DGG	Tool Van (One Coach) containing HRE for attending minor derailment.	
CWA	Tool Van (One Coach) containing HRE for attending minor derailment.	
MIB	Road Mobile Brake Down Truck with HRE is available at MIB for attending derailment in siding & minor yard derailment.	

**4.0. Narrow Gauge Rail Museum (NGRM)****4.1. NGRM / Nainpur**

- i. Inaugurated on 28.11.2017 by Hon. Minister of State for Railway and opened for visitors.
- ii. Area 7.798 Acres (3.156 Hectare). A new two storied building constructed and two heritage buildings have been renovated.

**Main Features:-**

- i. Tourist train consisting of one NG loco and 3 refurbished NG coaches.
- ii. AC restaurant car.
- iii. Display of NG heritage, rolling stocks, 1 CC class loco, 3 NG coaches and 5 NG wagons.
- iv. Heritage machine gallery with machines of year 1880 – 1905.
- v. Thematic gallery of different department.
- vi. AC auditorium with seating capacity of 50 persons.
- vii. Green Gym
- viii. Water Fountain with colourful lightings.
- ix. Paintings, Posters and models of shed, locos, Signaling equipments, Bridges, workshop, depots and diesel shed.
- x. Beautifully landscaped gardening with rides for children.
- xi. Nainpur station model etc.
- xii. Earnings & Average visitors per day:-

<b>Year</b>	<b>Total Earning</b>	<b>Average footfall per day</b>	<b>Remark</b>
<b>2017-18</b>	Rs.3,14,911/-	241	(Opened on 29.11.17)
<b>2018-19</b>	Rs. 4,26,830/-	131	-
<b>2019-20</b>	Rs. 4,50,405/-	134	-
<b>2020-21</b>	Rs.20,240/-	74	NGRM/NIR was closed due to COVID-19 from 23.03.20 to 5.3.21. Opened on 6.3.21 to 31.3.21 only.
<b>2021-22</b>	Rs.3,42,025/-	105	Museum was opened from 1.4.21 to 9.4.21 and closed from 10.04.21 due to 2 <sup>nd</sup> wave of Covid-19. Re-opened on 07.08.21.
<b>2022-23</b>	Rs.7,51,430/-	124	-
<b>2022-23 Upto Aug'23</b>	Rs.3,61,370/-	135	-

#### 4.2. NGRM/Motibagh –

- i. Inaugurated on 14.12.2002 by then MR Shri Nitish Kumar.
- ii. Beautifully landscaped area of about 5 acres.
- iii. The main building is refurnished in 100 years old steam loco shed now having various thematic Galleries.

#### **Main Features:-**

- i. 7 thematic galleries on C&W, Loco, Electrical, Commercial, S&T, Engg. & Heritage.
- ii. 2. Revolving Air Conditioned coaches.
- iii. Joy ride in Toy Train.
- iv. Total Rolling Stock Displayed: 22 nos.
- v. Earnings & Average visitors per day:-

<b>Year</b>	<b>Earning</b>	<b>Average foot fall / day</b>	<b>Remarks</b>
<b>2017-18</b>	Rs.15,67,725/-	217	-
<b>2018-19</b>	Rs.15,26,225/-	204	-
<b>2019-20</b>	Rs. 13,15,225/-	179	-
<b>2020-21</b>	Nil	NIL	NGRM/MIB closed for visitors due to COVID-19 from 17th March-2020 to 31.03.2021
<b>2021-22</b>	Rs.6,76,590/-	100	Museum opened on 23.06.2021 with Covid restrictions of MNC Nagpur. Again closed from 09.01.22 due to Covid.
<b>2022-23</b>	Rs.16,62,490/-	213	-
<b>2023-24 Upto Aug'23</b>	Rs.8,27,805/-	211	-