



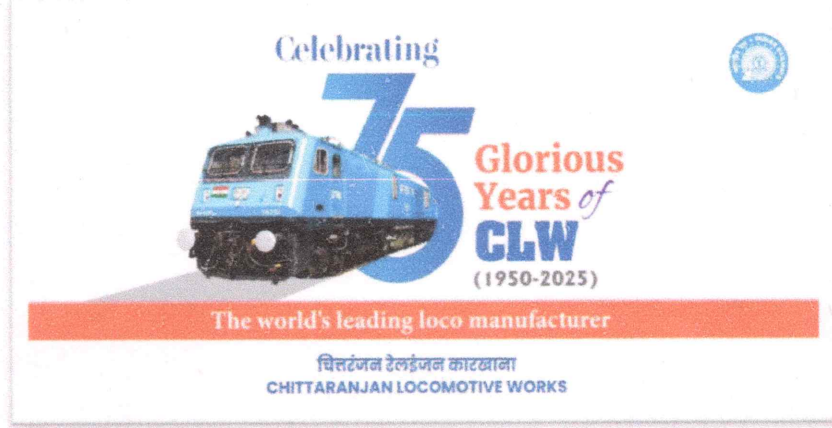
# CHITTARANJAN LOCOMOTIVE WORKS

**Annual Narrative Report  
2024-25**

**2024-25**


**FOR OFFICE  
USE ONLY**

**Chittaranjan Locomotive Works  
General Manager's Office  
Chittaranjan**



**To  
Secretary,  
Railway Board,  
Ministry of Railways,  
Government of India,  
New Delhi –110001.**

I forward herewith the Annual Report on the working of the Chittaranjan Locomotive Works for the year 2024-25.

  
**(VIJAY KUMAR)**  
General Manager



**VIJAY KUMAR**  
**GENERAL MANAGER**

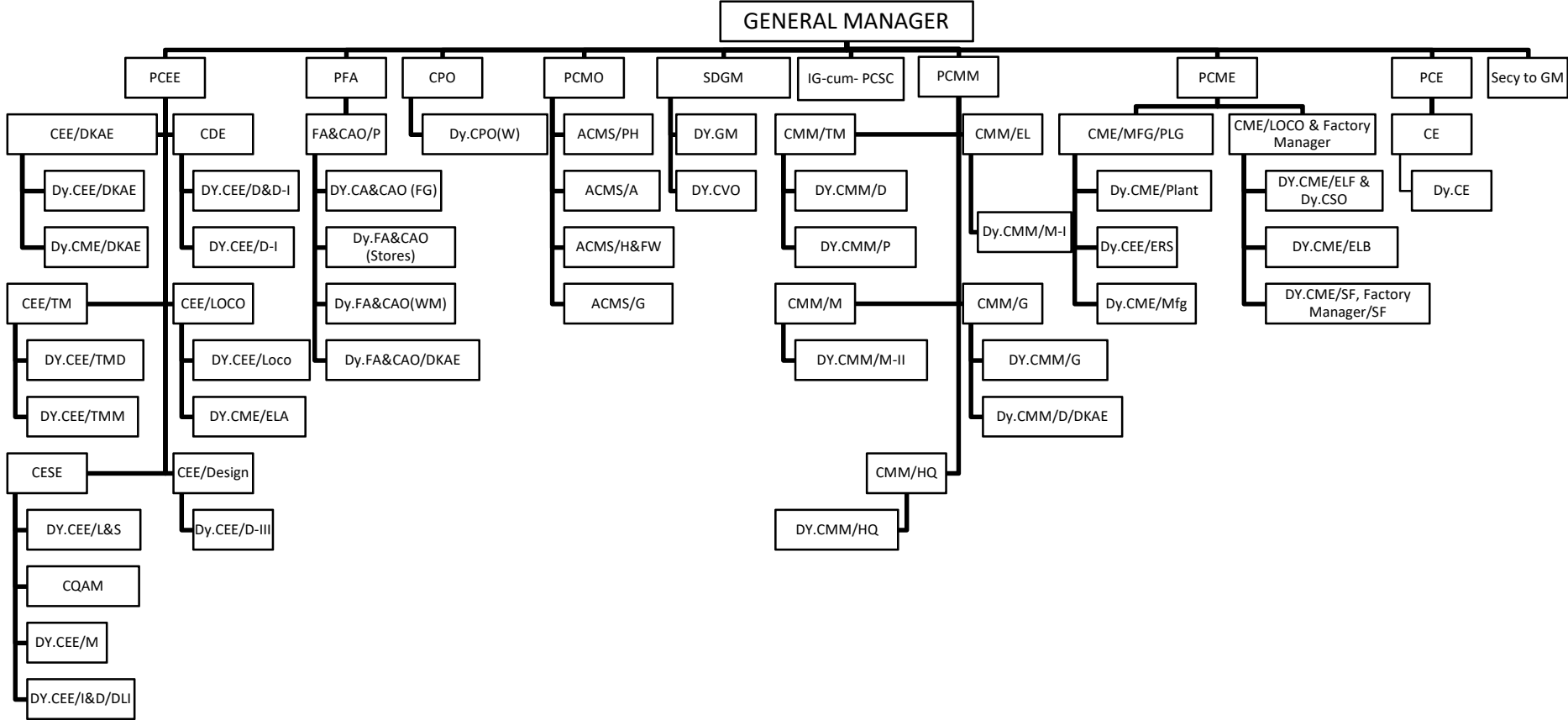
<b>S.K. Verma</b> <b>PCEE</b>	<b>A.K. Meshram</b> <b>PCMM</b>	<b>K.K. Goyal</b> <b>PFA</b>

<b>Sugind S.</b> <b>SDGM &amp; CVO</b>	<b>S. Sarkar</b> <b>PCME</b>	<b>Satya Prakash</b> <b>IG-cum-PCSC</b>

<b>Dr. R.K. Mukherjee</b> <b>PCMO</b>	<b>R. Prasad</b> <b>PCE</b>	<b>Ranjan Mohanty</b> <b>CPO</b>



# ORGANIZATIONAL CHART (UPTO JAG) AS ON 31.03.2025



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## ABOUT CLW

Chittaranjan Locomotive Works (CLW), located in the Paschim Bardhaman district of West Bengal, is one of independent India's proud industrial achievements, planned by the nation's early leaders. Over the years, CLW has played a major role in developing Indian Railways.

CLW's journey began in the late 1930s when a committee was formed to explore the possibility of setting up a cost-effective locomotive manufacturing unit. At first, the site planned at Chandmari near Kanchrapara, WB had to be abandoned due to the Partition. After fresh surveys, the current site at Chittaranjan was chosen, and the Railway Board gave its approval in 1947.

Since then, CLW has led locomotive manufacturing in India. It was originally built to produce 120 steam locomotives and 50 spare boilers each year. Steam engine production started on January 26, 1950. The first steam locomotive was officially presented to the country by India's first President, Dr. Rajendra Prasad, on November 1, 1950.

Over time, CLW has produced:

- 2351 steam locomotives (5 types),
- 842 diesel locomotives (7 types), and
- 9777 electric locomotives (18 types), including 5142 advanced 3-phase models (4 types), as of March 31, 2025.

CLW stopped steam locomotive production in 1971-72 and diesel in 1993-94. It started making modern 3-phase electric locomotives in 1998-99—a major milestone. Some recent achievements include building powerful twin WAG9HC (EF 12K) locomotives and WAP-5 push-pull engines for Amrit Bharat trains.

In addition to its main office in Chittaranjan, CLW also has a purchase office in Howrah and inspection offices in New Delhi, Mumbai, Howrah, and Bangalore, showing its wide presence.

Focusing on electric locomotives, CLW has gradually expanded its capabilities and adopted new 3-phase (WAG 9HC) technology to remain competitive. It also opened a modern unit called the Electric Loco Assembly and Ancillary Unit (ELAAU) in Dankuni, which started production in March 2016.

In the financial year 2024-25, CLW achieved a record by producing 700 electric locomotives, including 156 from the Dankuni unit. This shows CLW's strong dedication to quality and innovation, confirming its place as a top locomotive manufacturer in India.

CLW also began producing Traction Motors and control equipment in April 1967. During 2024-25, 1732 Traction Motors were produced.

CLW is not just known for building locomotives—it also operates a Steel Foundry. Started in 1962-63 to make cast parts for steam engines, the foundry adopted advanced technology from Rockwell International (USA) in 1990-91. Today, it holds the prestigious 'Class A' Foundry certificate from RDSO, awarded in 2012.

CLW has modern equipment for assembling wheel sets and fabricating bogies. It uses advanced tools like CNC machines, plasma cutters, and inert gas welders. It also has a dedicated Centre for Design and Development with CAD/CAM tools for designing and simulating rail vehicles.

A strong quality control system ensures high standards at every production stage—from incoming materials to final inspection.

CLW's excellence has been recognized with the "IRIS Certification" from DNV Business Assurance for its work in designing, developing, and manufacturing electric locomotives, traction motors, spare parts, and rolling stock castings.

CLW has earned several other important certifications:

- ISO 9001:2015 (Quality Management),
- ISO 14001:2015 (Environmental Management),
- ISO 45001:2018 (Occupational Health & Safety), and
- ISO 50001:2018 (Energy Management).

CLW earned a prestigious place in the Limca Book of Records by producing an unprecedented 431 electric locomotives during the financial year 2019-20, setting a new benchmark in locomotive manufacturing.

CLW also leads in environmental responsibility. Its green township reflects efforts by both the administration and residents to preserve nature. In recognition, CLW received the **Golden Peacock Award for Environment Management** in 2006 from the World Environment Foundation—a proud moment for the organization.

CLW gives high priority to industrial safety and fully complies with the Industrial Safety Act of 1948. Its safety-first approach earned it the **Safety Innovation Award** from the Institute of Engineers (India) on September 6, 2006. This shows CLW's dedication to creating a safe work environment and setting an example for others in the industry.

### **Record Production in FY 2024-25**

CLW isn't just producing locomotives; it's building the future of Indian Railways. With unmatched dedication and a relentless pursuit of excellence, CLW has once again proven why it stands at the forefront of the nation's locomotive production.

In a historic achievement, CLW produced 700 locomotives during Financial Year 2024-25, setting a new all-time record. This is the highest ever locomotive production figure achieved by any Production unit in India. This extraordinary milestone isn't just a number; it's a symbol of the passion, perseverance, and precision of every individual who wears the CLW badge. The last quarter witnessed a significant increase in monthly production figures in the. In the last quarter of current





financial year, CLW manufactured 269 electric locomotives, which is an outstanding record since its inception.

This achievement is even more commendable considering the reduced workforce comparing the no. of locos produced with.

Year	No. of Locos Produced	Manpower
2023-24	580	8633
2024-25	700	8138

### **Electric Loco Assembly and Ancillary Unit (ELAAU) of CLW, Dankuni:-**

Established in 2014, the Electric Loco Assembly and Ancillary Unit (ELAAU) of CLW in Dankuni began its journey with a mission to manufacture freight locomotives. From a humble start with the production of just one locomotive in 2015-16, the Dankuni Unit has achieved extraordinary growth. over the years. In 2024-25, it reached a historic milestone by producing 156 locomotives, the highest annual output in the unit’s history.



### **Medical Facilities:**

In the realm of healthcare, KG Hospital, boasting 192 beds, has extended comprehensive medical services to nearly 58,000 Railway beneficiaries. A total of 1.2 lakh OPD patients and 8,600 indoor patients were successfully treated. 143 major surgeries were performed successfully. The hospital introduced super-specialist and specialist clinics. Services were expanded through collaboration with 14 multi-specialty hospitals.

### **Sports: Cradle for excellence**

Our talented athletes have brought immense pride and glory to CLW through their outstanding performances across various sporting disciplines. In archery, Shri Kapil and Ms. Monika Soren showcased exceptional skill by winning gold medals, while Shri Sagar Chopra added to the tally with a bronze.



World renowned gymnast Ms. Pranati Nayak won the bronze medal in Vault Table event under Women’s Artistic Gymnastics category at 2025 FIG World Cup in Antalya, Turkey, held in March 2025. A proud member of the CLW family, she continues to inspire with her achievement

### **CLW-Women’s Welfare Organization:-**

The CLW Women’s Welfare Organization stands as a beacon of hope, extending a helping hand to the underprivileged and those in need. With an ever-expanding scope of charitable activities, the organization tirelessly provides social and humanitarian services to uplift communities. Through its "ShishuVihar" and

"Asha Kiran" schools, it offers quality education to children and differently-abled individuals, empowering them to break free from the cycle of poverty and pursue fulfilling lives. It engages the needy persons in Masala Centre & File Centre and gives them employment opportunities.

Under the active support of CLWFO, health check-up camps are organized for children, special days and events are celebrated with the distribution of sweets and prizes, and competitions are held to unearth and promote hidden talents. The impact of CLW Women's Welfare Organization's endeavors has been truly remarkable, transforming countless lives and underscoring the organization's unwavering dedication to societal betterment.

### Heritage: CLW's Living Story

CLW's journey of development is deeply rooted in a legacy of pride and heritage.

- **Ganapati Hut** near DV Boys School has been given the status of a Heritage Site and every effort have been extended to preserve the site. Ganapati Hut was the place from where, the Chief Architect of CLW, Mr. M. Ganapati, the then Engineer in Chief orchestrated his engineering acumen in building this Production Unit with grit and perfection.



- **The Heritage Museum**, the heart of CLW's glorious heritage and history, is located in the administrative building. Here, visitors can explore the golden past of the Chittaranjan Locomotive Works. The museum features models of various classes of railway engines. With its attractive decorations, sophisticated lighting, and informative permanent exhibitions, the museum is a major draw for visitors. It is modern, technologically advanced, and serves as a mirror reflecting the technological progress and rich history of CLW.



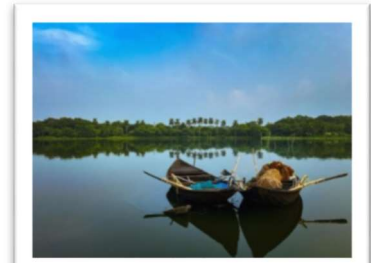
- **“Deshbandhu Loco Park”**: As part of the mission, a heritage loco park had been exclusively developed as **“Deshbandhu Loco Park”** wherein, the first steam loco **“Deshbandhu”** named after the famous freedom fighter Deshbadhu Chittaranjan Das and the last loco named **“Antim Sitara”** marking the end of Steam production are proudly preserved. This loco park also proudly houses 1:4 scale steam loco in running condition and is regularly thrown open for joy ride for visiting dignitaries, general public and children. A steam loco of 1:8 scale has also been proudly placed in the loco park.



**The Chittaranjan Environment:** Chittaranjan Locomotive Works is not only a leader in electric locomotive manufacturing but also a strong advocate for sustainable living. Nestled amid serene lakes, rolling hills, and lush forests, the CLW township is a vibrant sanctuary for biodiversity. Environmental stewardship is at the heart of our mission—we actively engage stakeholders in proper waste management and maintain clean, green surroundings.

CLW recycles 3,535 kiloliters of water daily through its treatment plant and has achieved a 25% reduction in electrical energy consumption per locomotive. These efforts underscore our dedication to resource conservation.

Each winter, our scenic water bodies attract flocks of migratory birds, transforming the township into a breathtaking natural haven and a popular destination for birdwatchers and nature lovers alike.



### ➤ **Highlights for the year 2024-25**

1. **CLW hosts loco reliability meeting:** A two-day meeting held at CLW Administrative Building from May 9th to May 10th, 2024, focused on enhancing the reliability of Propulsion Systems and Hotel Load Converters in locomotives.
2. **Handbook for dealing with disaster management in CLW:** Handbook for dealing with disaster management in CLW for (a) security department (b) medical department, (c) Civil Engineering, Elect. Maintenance & PR Departments, (d) Civil Defence Organization, Welfare Section, Area Committee, TPT Shops and S&T Section were distributed among the concerned officials so that same may be referred in case of any eventuality.
3. **Fire Emergency Leaflets:** Fire Emergency Leaflets containing Emergency contact nos., fire action notice, life savings rule, first aid was distributed among the employees for ready reference in case of any emergency.
4. **General manager inaugurated the CLW built loco model at Chittaranjan railway station:** On the occasion of the glorious 75th year of CLW, General Manager/CLW, unveiled a memorial monument and a twin loco model on 11th July 2024 at Chittaranjan Railway Station.
5. **Sewage Treatment & Rainwater Harvesting in CLW:** A Step Towards Sustainability CLW emphasizes effective waste management as a key aspect of environmental responsibility. A Sewage Treatment Plant efficiently handles township sewage, supporting hygiene and sustainability. To conserve natural resources and protect groundwater, CLW has implemented rainwater harvesting, avoiding underground water extraction. Seven large percolation pits across Chittaranjan help recharge and maintain the groundwater table.

6. **CLW launches year-round cleanliness initiative to promote a healthy work environment:** CLW has launched a comprehensive cleanliness campaign in Chittaranjan Township with the aim of maintaining a clean and pure environment. CLW successfully conducted the "Swachhata Hi Seva - 2024" campaign from 14th September to 1st October 2024, under the theme "Swabhav Swachhata - Sanskar Swachhata".
7. **WAP-5 Aerodynamic electric [converted] locomotive flagged off in CLW:** The first pair of WAP-5 Aerodynamic (Converted) Electric Locomotive was flagged off on 18.10.2024 from the Test Shed of CLW. This is the first pair of converted locomotive for Amrit Bharat trains.
8. **Member Finance Railway Board Visits CLW:** Ms. Roopa Srinivasan, Member Finance, Railway Board/New Delhi & ex-officio Secretary to Government of India visited Chittaranjan Locomotive Works (CLW) on 12th January 2025.
9. **Member (Traction & Rolling Stock), Railway Board visits CLW:** Shri Braj Mohan Agrawal, Member (Traction & Rolling Stock) Railway Board visited Chittaranjan Locomotive Works (CLW) on 22nd & 23rd January, 2025.
10. **ELAAU/Dankuni CLW rolls out 156 electric locos in FY 2024-25:** Electrical loco Assembly and Ancillary Unit (ELAAU) Dankuni of CLW has witnessed another history by turning out 156 electric locomotives in the financial year 2024-25.
11. **CLW produces record-breaking 700 locomotives in FY 2024-25:** CLW has set a historic milestone by manufacturing 700 electric locomotives in FY 2024-25, surpassing its previous record of 580 in FY 2023-24. This all-time highest locomotives production achievement of CLW. The feat was achieved during 75 Glorious year's celebration & Celebration of 100 years of Electric traction over Indian Railways.

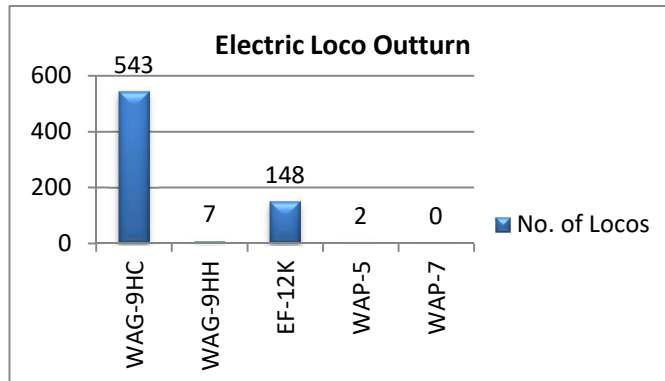
## CHAPTER - I PERFORMANCE IN BRIEF

### 1.0 Production:

1.1	<b>Turn Over</b> :	Rs. 7326,41,51,000
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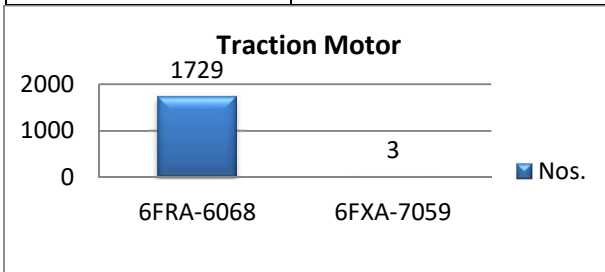
### 1.2 Electric Locomotives Out-turn:

WAG-9HC	387+156*
WAG-9HH	07
EF12K (WAG 9 TWIN)	148
WAP-5	02
WAP-7	00
<b>Total</b>	<b>700 (544+156*)</b>
WAP-5 Conversion:	40
* Despatched from DKAE	



### 1.3 Traction Motors Manufactured:

6FRA6068 AC	1729 nos.
6FXA 7059	3 nos.
<b>Total</b>	<b>1732 nos.</b>



1.4	<b>Steel Castings:</b>	2269.68 MT
1.5	<b>Value of Spares Supplied to Railways:</b>	Rs. 36015.93 Lakhs

**CHAPTER – II**  
**FINANCIAL RESULTS**

**2.1 Turnover:**

**2.1.1 The total value of turn over as adjusted in the accounts to end of March'25 is as follows:**

(Figures in Rs. Thousands)

i.)	Locoworks	7317,39,35
ii.)	Steel Foundry	9,02,16
	<b>Total :</b>	<b>7326,41,51</b>

**2.1.2 The following is the breakup of the total turn-over:**

(Figures in Rs. Thousands)

<b>A. Value of Supplies</b>	<b>Loco</b>	<b>SF</b>
i) Locos	6917,97,56	0
ii) Other than locos	0	0
<b>B. Value of Components manufactured for Stock</b>	399,41,79	9,02,16
<b>Total :</b>	<b>7317,39,35</b>	<b>9,02,16</b>

**2.1.3 Outturn of the Locos to end of March'25 is as follows:**

WAG 9HC:	543 Nos.
WAG-9HC Twin:	148 Nos.
WAP-5 Push Pull:	02 Nos.
WAG-9HH:	07 Nos.
<b>Total:</b>	<b>700 Nos.</b>

**2.2 The average cost of production of locomotives (provisional) for the year 2024-25:**

(Figure in Thousand of Rs.)

Type of Loco	Direct Labour	Direct Materials	Over heads	ITC	Basic Cost	GST	TP excluding proforma charges
1	2	3	4	5	6(2+3+4-5)	7	8
WAG-9HC	4093	79947	12129	0	96169	0	96169
WAP-9 HC Twin (Set)	10289	158384	29894	0	198567	0	198567
WAG-9HH	7214	113024	20988	0	141226	0	141226
WAP-5 Push Pull (Set)	17938	229422	51465	0	298825	0	298825

\* Note: Transfer Price of WAG-9HC and WAP-5 push pull locos are considered for one set i.e. 02 numbers.

**2.3 Work in Progress (To end of March'25):**

It represents the balance under the Workshop Manufacturing Suspense and comprises:

(Figures in Rs. thousands)

	<b>Loco</b>	<b>SF</b>	<b>Total</b>
Work in Progress	14,45,35	172,18,95	186,64,30

## 2.4 Capital Investment:

The **Capital at charge** of this production unit stood at Rs. 18,65,43,68 thousand as on 31.03.2025 against Rs. 19,46,08,64 thousand as on 31.03.2024.

### 2.4.1 The break-up of Capital-at-charge and others is as under:

#### 2.4.1.1 Fixed Assets :

(Figures in Rs. thousands)

FIXED ASSETS	TOWNSHIP		WORKSHOP		TOTAL	
	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25
a) Land	4706	4706	310	310	5016	5016
b) Road	5892	5892	383	383	6275	6275
c) Building	219803	320893	80401	80401	300204	401294
d) Machinery	93	3504	2284508	2297909	2284601	2301413
e) Water works	39822	69581	8963	27573	48785	97154
f) Electrical installation	119282	135700	32999	32999	152281	168699
g) Other Charges	66021	67424	26632	31929	92653	99353
h) General Charges	14615	61556	18466	18466	33081	80022
i) Projects	0	46941	4174552	4174552	4174552	4221493
j) Track Renewal	0	0		104		104
<b>GROSS</b>	<b>470234</b>	<b>716197</b>	<b>6627214</b>	<b>6664626</b>	<b>7097448</b>	<b>7380823</b>
<b>Return On Capital</b>	<b>557</b>	<b>557</b>	<b>631</b>	<b>631</b>	<b>1188</b>	<b>1188</b>
<b>NET</b>	<b>469677</b>	<b>715640</b>	<b>6626583</b>	<b>6663995</b>	<b>7096260</b>	<b>7379635</b>

#### 2.4.1.2 Floating Assets:

ASSETS	2023-24	2024-25
Purchase	2467319	1987537
Sales	1324010	184279
Stores	6688048	7231678
W.M.S	1880419	1866431
Misc. Advance (Cap.)	4808	4808
<b>TOTAL</b>	<b>12364604</b>	<b>11274733</b>
<b>TOTAL ASSETS</b>	<b>19460864</b>	<b>18654368</b>

**2.4.1.3** Assets created out of Capital fund is Rs. **48,76,01** thousand.

Assets created out of Spl. Rly. Safety Fund is Rs. **24,28** thousand

## 2.4.2 Depreciation Reserve Fund:

(Figures in Rs. Thousand)

i.	Opening balance as on 01.04.2024:	11822495
ii.	Credit on account of Annual Contribution :	240000
iii.	Credit on account of interest on Fund Balance :	399662
iv.	Withdrawal during 2024-26(Net) :	39904
v.	Closing balance as on 31.03.2025:	12422253

### 2.4.2.1 The expenditure for renewal and replacement from the fund in respect of the following:

(Figures in Rs. Thousand)

i.	Computerization	0
ii.	Track Renewals	0
iii.	Signal & Telecomm.	0
iv.	Other Electrical Works	22553
v.	Machinery & Plant	3563
vi.	Workshop including Production Units	36726
vii.	Staff welfare	19107
viii.	Other Specified Works	742
	<b>TOTAL :</b>	<b>82691</b>

### 2.5.1 Statement Showing Indirect Expenditure of Loco works for the Year 2024-25:

(Figures in Rs. thousand)

Sl. No.	Particulars	2023-24	2024-25
1.	Indirect Labour	5267091	4831098
2.	Indirect Materials, contingent & other Misc. Charges.	1021332	1472943
3.	Freight & Handling Charges	12821	0
4.	Superannuation, Gratuity etc.	0	0
5.	Pension Fund	1314000	1314000
6.	Bulk purchase of Electricity	317629	242129
7.	Appropriation to DRF	216000	21600
8.	New minor works chargeable to WMS	0	00
9.	Stock Adjustment A/C	0	00
10.	Recoveries on account of H/Rent, Elec. Charges etc.	-155492	-176400
11.	Share of AOH & TOH transferred to Steel Foundry	-16300	-16300
12.	Fixed overhead transferred from Steel Foundry	0	0
13.	Contribution to New Pension Scheme	327674	361290
14.	Excise Duty / GST	85563	260794
	<b>TOTAL</b>	<b>8390318</b>	<b>8505554</b>



## 2.5.2 Statement Showing Outturn of Locomotives during the Year 2024-25.

(Figures in Rs. thousand)

Particular		No. of units turned out	Total Cost (Provisional)	Total Sale value	Average sale value per unit (without GST)
1		2	3	4	5
1000 Nos. High Horsepower Electric Locos, Rs.18 Cr. Each, item No. 02 of 24-25.	WAG9 HC	47	451,99,43	451,99,43	9,61,69
	WAG9 HC Twin	44	436,84,74	436,84,74	9,92,84
2108 Nos. high Horsepower Electric Locos. Ex. CLW/BLW /DMW/ BHEL/Trade @ 15 Cr., 269 of 2023-24 for Item No. 72 of 24-25	WAG9 HC	496	4769,98,24	4769,98,24	9,61,69
	WAG9 HH	07	98,85,82	98,85,82	14,12,26
	WAG9 Twin	104	1032,54,84	1032,54,84	9,61,69
	WAP5 Push-Pull	02	29,88,25	29,88,25	14,12,26
110 Nos. conversion of WAP-5 HOG compliant locomotives for push pull operation for item No. 726 of 2024-25	WAP-5 Conversion	40	97,71,34	97,71,34	2,44,28
		<b>740</b>	<b>6917,82,66</b>	<b>6917,82,66</b>	

### Notes:

1. The figures of outturn given above are related only to Locomotives turned out during 2024-25.
2. The figures in column (4) represent sale value (Excluding GST).

The average cost (provisional) of loco including share of expenditure of Rly. Board and Audit has been furnished below:

(Figures in Rs. thousand)

Type of Expenditure	WAG-9HC	WAG-9HC Twin	WAG-9HH	WAP-5 Push Pull	WAP-5 Conv.
Cost of production	9,91,69	9,92,84	14,12,26	14,94,13	2,44,28
Share of exp. of Rly. BD & Audit	9,80	12,32	9,94	12,36	1,91
<b>Total</b>	<b>10,01,49</b>	<b>10,05,16</b>	<b>14,22,20</b>	<b>15,06,49</b>	<b>24,619</b>

## 2.5.3 The Number and Transfer Cost of Locomotives produced during last 5 years:

(Figures in Rs. thousand)

Type of locos	2020-21		2021-22		2022-23		2023-24		2024-25	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
WAG-9HC	337	3255,98,08	450	4022,42,54	422	4584,60,80	540	5542,77,60	543	5221,97,67
WAG-9HC Twin									148	1469,39,58
WAG-9HH			5	80,00,00	6	96,00,00	36	450,45,72	7	98,85,82
WAP-7	33	346,89,93	13	117,39,02						
WAP-5	20	223,34,60	18	191,81,23	8	98,18,27	4	41,60,28	2	29,88,25
WAP-5 Conversion									40	97,71,34
<b>Total</b>	<b>390</b>	<b>3826.22.61</b>	<b>486</b>	<b>4411.62.79</b>	<b>436</b>	<b>4778,79,07</b>	<b>580</b>	<b>6034,83,60</b>	<b>740</b>	<b>6917,82,66</b>

#### 2.5.4 Statement showing outturn of Steel Foundry during the year 2024-25:

(Figures in Rs. Thousand)

Particular	Outturn for the year (in MT)	Total cost Price	Total Sale value	Average sale value (Per MT)
1	2	3	4	5
a. Bogie Items	-	-	-	
b. Other Items				
Light	16.24	-	-	
Medium	2227.40	9,02,16	9,02,16	40.21
Heavy	-	-	-	
c. Manganese Steel Casting	-			
<b>Total</b>	<b>2243.64</b>	<b>9,02,16</b>	<b>9,02,16</b>	

Notes:

- The figures in column 3 represent approximate cost of casting turned out during the year 2024-25.
- The figure in column 4 represents value realized during the year.
- To arrive at the figures under column 5, column 4 is divided by column 2.

The actual cost of different categories of casting from year to year is furnished at 2.5.6

**2.5.5. Statement Showing Indirect Expenditure of Steel Foundry for the Year 2024-25:**

(Figures in Rs. thousand)

Sl. No.	Particulars	2023-24	2024-25
1.	Indirect Labour	183674	157029
2.	Indirect Materials, contingent & other misc. Charges.	39167	42817
3.	Freight & Handling Charges	0	0
4.	Superannuation, Gratuity etc.	0	0
5.	Pension Fund	146000	146000
6.	Bulk purchase of Electricity	5502	0
7.	Appropriation to DRF	24000	24000
8.	New minor works chargeable to WMS	0	0
9.	Stock adjustment a/c	0	0
10.	Recoveries on account of H/Rent, Elec. Chgs. Etc.	-3199	-3070
11.	Share of AOH & TOH transferred to Locoworks	16300	16300
12.	Fixed overhead transferred from Steel Foundry	0	0
13.	Cont. to New pension Scheme	12092	10535
14.	GST	8004	4714
	<b>TOTAL</b>	<b>431540</b>	<b>398325</b>

**2.5.6 Year-wise outturn and actual cost of Steel Foundry for the last five years:**

(Figures in Rs. thousand)

S N	Particulars of casting	2020-21		2021-22		2022-23		2023-24		2024-25	
		Qty. in MT	Cost	Qty. in MT	Cost	Qty. in MT	Cost	Qty. in MT	Cost	Qty. in MT	Cost
1.	Carbon Steel Casting										
	i) Bogies items							22			
	ii). Other items										
	Light			7		104		57		16.24	
	Medium	2430	103,92,44	2712	35,85,76	2277	17,56,95	2671	28,78,21	2227.40	9,02,16
	Heavy										
	<b>Total</b>	2430	103,92,44	2719	35,85,76	2381	17,56,95	2750	28,78,21	2243.64	9,02,16

## 2.6 Appropriation of Accounts for 2024-25

### Balance under Suspense Heads as on 31.03.2025

(Fig. in  
thousands)

Heads	Balance as on 31.03.2025		Balance relating to 2024-25		Balance relating to 2023-24		Balance prior to 2023-24		Clearance upto june'25.	
	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit
Misc. Advance (Capital)	48,08	0	0	0	0	0	48,08	0	0	0
Purchase (Capital)	3260,11,22	30,61,35,85	326,05,70	374,03,52	2547,40,48	406,01,54	386,65,04	2281,30,79	50,00,00	70,00,00

## 2.7 Manufacturing Account of Locoworks for the Year 2024-25:

(fig. in Rs.)

Debit				Credit			
SN	Particulars	2023-24	2024-25	SN	Particulars	2023-24	2024-25
I	<b>To opening balance</b>			I	<b>By Work done for Railways:</b>		
	Work in progress	3666155342.00	370279391.49		Supply of Locomotives including TOT	60348360348.00	69179756514.02
II	<b>To Labour</b>				<b>Supply of Spares</b>		
	Workshop (Direct)	2990732047.79	3360414769.59				
	Workshop (Indirect)	1148515121.21	762774855.41	II	<b>By Capital and Stores Suspense:</b>		
	Admn. & Service Deptt.	4109490090.00	4068322767.99		Manufactured Materials	4961935222.00	3994178655.00
III	<b>To Stores</b>						
	Issue from Stock :-			III	<b>By Capital Works:</b>		
	Workshop (Direct)	51998239400.36	60906059759.67		Plant & Machinery		
	input tax credit	0.00	0.00		Other Works.		
	Workshop (Indirect)	447206336.95	367286379.16	IV	<b>By DRF Works</b>		
	Department other than Workshop	21931893.25	25766261.92	V	<b>By Works done on deposit account</b>		
	<b>Misc. Adjustment :-</b>				Other than loco (Pvt. /PSU)		
	Workshop (Direct)	0.00	0.00				
	Workshop (Indirect)	183196265.93	1026802558.07	VI	<b>By Returned Stores:-</b>		
	Department other than workshop	325900214.45	465561505.61		Direct	1771538160.88	412085312.40
IV	<b>To Indirect Charges :-</b>				Indirect	80364552.80	412473583.61
	Appropriation to DRF	216000000.00	216000000.00		New Minor Works		
	Superannuation Gratuity etc.						
	Cont. to New Pension Scheme	327674283.80	361289740.00	VII	<b>By Closing Balance</b>		
	Freight & Incidental Charges	12820640.44	0.00		Work in Progress	370279391.49	144534670.86
	Appropriation to Pension Fund	1314000000.00	1314000000.00				
V	<b>To Other Charges :-</b>						
	Bulk Purchase of Electricity	317629047.00	259606779.78				
	GST	85562934.82	260794471.65				
	Misc.Charges including SBF, TOT	-84239551.52	-198777864.84				
	Amortization of WIP balance of SF	406669653.00	379243373.00				
	New Works, addition & replacement	0.00	0.00				
	Medical Exp. Including COVID Exp.	216786374.44	390303493.94				
	Chargeable to Overheads	0.00	0.00				
VI	To Recovery of HRA, Elec. Chrgs & others	<b>-155492422.75</b>	<b>-176399510.55</b>				
VII	To Share of AOH & TOH to SF	-16299996.00	-16299996.00				
VIII	To Transfer of fixed overhead from SF	<b>0.00</b>	<b>0.00</b>				
IX	<b>To Developmental work</b>	<b>0.00</b>	<b>0.00</b>				
X	Clearance from stock Adj. Account	0.00	0.00				
	<b>TOTAL</b>	<b>67532477675.17</b>	<b>74143028735.89</b>			<b>67532477675.17</b>	<b>74143028735.89</b>

## 2.8 Manufacturing account of steel foundry for the year 2024-25:

(fig. in Rs.)

Debit				Credit			
SN	Particular	2023-24	2024-25	SN	Particular	2023-24	2024-25
I	<b>To opening balance</b>			I	<b>By Work done for Railways:</b>		
	Work in progress	1185749838.14	1510138445.84		Supply of Locomotives including TOT	18844045.00	0.00
					Supply of Spares		
II	<b>To Labour</b>						
	Workshop Direct (II) (I) (a & b)	68584184.53	78323804.52	II	<b>By Capital and Stores Suspense:</b>		
	Workshop Indirect (II) (II+III)	135411772.47	106394296.48		Manufactured Materials	268977120.00	90215966.00
	Admn. & Service Dept (IV+V+VI)	48262031.00	50634345.00				
III	<b>To Stores</b>			III	By Capital Works:		
	Issue from Stock :-				Plant & Machinery		
	Workshop Direct (III)(I) + IVA(I)	518755451.91	204568038.75		Other Works. (for loco)		
	Workshop Indirect	2336978.39	3839223.24	IV	By DRF Works		
	Department other than Workshop	1126644.45	40108.44	V	By Work done on deposit account		
	<b>Misc. Adjustment :-</b>				Other than loco (Pvt. /PSU)		
	Workshop Direct	0.00	0.00				
	Workshop Indirect	20016519.17	4797629.50	VI	<b>By Returned Stores:-</b>		
	Department other than workshop	39743148.59	39020142.80		Direct		
IV	<b>To Indirect Charges :-</b>				Indirect	24056205.62	4880278.45
	Appropriation to DRF	24000000.00	24000000.00		New Minor Works		
	Superannuation Gratuity etc.						
	Cont. to new pension scheme	12091550.20	10534656.00	VII	By Closing Balance		
	Freight & Incidental Charges	0.00	0.00		Work in Progress	1510138445.84	1721895465.04
	Appropriation to Pension Fund	146000000.00	146000000.00				
V	<b>To Other Charges :-</b>						
	Bulk Purchase of Electricity	5502000.00	0.00				
	Excise Duty/GST	8003911.61	4714284.92				
	Misc. Charges including SBF, TOT						
	Tech. Fees, Royalties etc.						
	New Works, addition & Replacement						
	Chargeable to Overheads						
	Amortization of WIP balance to Locoworks	-406669653.00	-379243373.00				
VI	<b>To Recovery of HRA &amp; Elect. Charges</b>	-3198557.00	-3069889.00				
VII	To Share of AOH & TOH to SF	16299996.00	16299996.00				
VIII	<b>To Transfer of fixed overhead from SF</b>						
IX	<b>To Developmental work</b>						
	<b>TOTAL</b>	<b>1822015816.46</b>	<b>1816991709.49</b>			<b>1822015816.46</b>	<b>1816991709.49</b>

## 2.9 BALANCE SHEET: for the year 2024-25

### 2.9.1 Liabilities:

(Figures in unit of Rupees)

S. N.	Particulars	As on 31 <sup>st</sup> March 2024		As on 31 <sup>st</sup> March 2025	
		Details	Amount	Details	Amount
1.	Total investment as in the Block Account	20128138064	20128138064	19257790532	19257790532
2.	Sundry Creditors				
a)	<b><u>Provident Fund and other Funds:</u></b>				
i)	State Rly. Provident Fund – Contributory	0		0	
ii)	State Rly. Provident Fund – Non Contributory	8671127999		8093129036	
iii)	Staff Benefit Fund	45025805		48865790	
iv)	Misc. Provident Fund - Contributory	0	8716153804	0	8141994826
b)	<b><u>Miscellaneous Deposit:</u></b>				
i)	Security Deposit of Subordinates	0		0	
ii)	Security Deposit of Contractors & Others	737921391		769545417	
iii)	Contribution for work done for private persons and public bodies	280018		280018	
iv)	Unpaid Wages	484410		484410	
v)	Sum due to contractors.	0		0	
vi)	Miscellaneous	2839282891		10337059367	
vii)	Remittance into bank	-10724865		-11776829	
viii)	Cheques and Bills.	-8250184		-8178259	
ix)	PAO Suspense	0		0	
x)	Other Transactions	0		0	
xii)	Control Govt. Group Insurance Scheme.	0	3558993661	0	11087414124
3 (i)	Depreciation Account	11830151119	11830151119	12429908903	12429908903
(ii)	Railway Development Fund	0	0	0	0
(iii)	Railway Pension Fund	11362628877	11362628877	11106996837	11106996837
(iv)	Special Railway Safety Fund	0	0	0	0
4 (i)	Balance due to Central Govt. Loans & Advances to Rly. Employees etc. (vide Item 3(a)(ii) per contra.	4180087	4180087	3269606	3269606
(ii)	Other advance (vide item 3(a)(ii) per contra)	0	0	0	0
5.	Balance in Transfer	0	0	0	0
6.	Balance on amount on account with Govt. etc. (Contr item 2 & 6 on assets side)	39104758	39104758	39213758	39213758
	<b>GRAND TOTAL</b>	<b>55639350370</b>	<b>55639350370</b>	<b>62066588586</b>	<b>62066588586</b>

## 2.9.2 Assets:

(Figures in unit of Rupees)

S. N.	Particulars	As on 31 <sup>st</sup> March 2024		As on 31 <sup>st</sup> March 2025	
		Details	Amount	Details	Amount
1.	Fixed and Floating Assets as in the Block Account Statement	20128138064	20128138064	19257790532	19257790532
2.	Cash in Hand	39104758	39104758	39213758	39213758
3.(a)	(i) F-Loans & Advances to Railway Employees Festival Advance & Passage Advance and Permanent Advance.	4180087	4180087	3269606	3269606
	(ii) Other Departmental Advances	0	0	0	0
(b)	Sundry Deposit with Central Government <i>(Vide item 2(b) per contra)</i>	3558993661	3558993661	11087414124	11087414124
4.	Investments – Staff Benefit Fund	100000	100000	100000	100000
5.	Savings Bank account with Government <i>(vide item No. 2(a) &amp; 3 liabilities vide per contra less item 4 of Asset Side)</i>	31908833800	31908833800	31678800566	31678800566
6.	Adjusting Accounts with Post & Telegraph	0	0	0	0
7.	Balance in Transfer	0	0	0	0
8.	Less	0	0	0	0
	Note: The market value of investment as on 31 <sup>st</sup> March 2021 Staff Benefit Fund: Rs. 1,00,000.00				
	GRAND TOTAL	55639350370	55639350370	62066588586	62066588586



**CHAPTER – III**  
**ELECTRICAL ENGINEERING**

**3.1 Electric Locomotive Production:**

CLW has turned out 9777 Electric Locos till 31<sup>st</sup> March, 2025. The Production programme (Target vs. Achievement) for the last 10 years has been shown at Annexure – 3.1. The year wise outturn of electric locomotives dispatched from CLW till 2023-24 is given at Annexure 3.2.

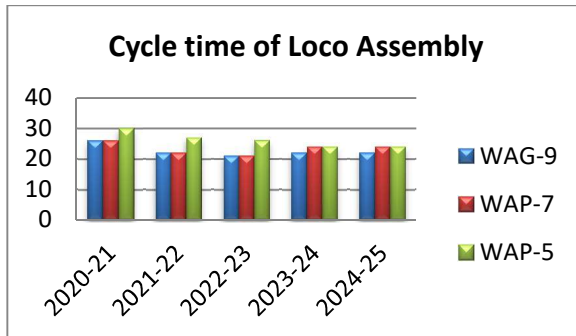
During the year 2024-25, 700 Electric Locomotives have been turned out by CLW and details of the same are given as under:

	CLW/Chittaranjan	ELAAU/DKAE	Total
WAG-9HC	387	156	543
EF12K (WAG 9 TWIN)	07	00	07
WAG-9HH	148	00	148
WAP-5	02	00	02
WAP-7	00	00	00
Total	544	156	700

**3.2 Cycle time of Loco Assembly & Testing:**

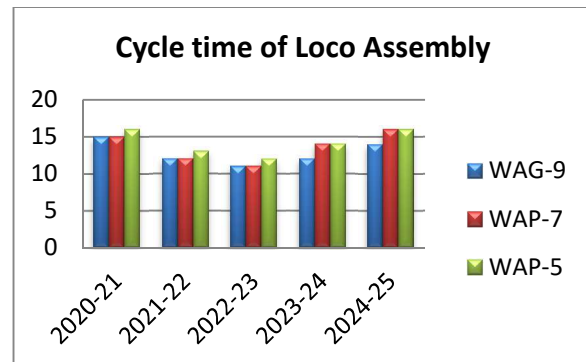
**A. If CLW Shell**

Year	Loco Assly. & Testing(days)		
	WAG-9	WAP-7	WAP-5
2020-21	26	26	30
2021-22	22	22	27
2022-23	21	21	26
2023-24	22	24	24
2024-25	22	24	24



**B. If Trade Shell**

Year	Loco Assly. & Testing(days)		
	WAG-9	WAP-7	WAP-5
2020-21	15	15	16
2021-22	12	12	13
2022-23	11	11	12
2023-24	12	14	14
2024-25	14	16	16



### 3.3 Achievements of Important Work/Objectives:

- 3.3.1 In the first quarter of 2024-25(Apr'24-June'24), CLW/CRJ has turned out 158 locomotives which is highest ever first quarter production of any financial year.
- 3.3.2 During Current year 2024-25, CRJ/CLW unit has turned out total 544 locos, which is highest ever production for any financial year. This is a landmark achievement of CRJ/CLW Unit. CRJ/CLW unit has surpassed the previous best production record of 479 loco in FY 2023-24.
- 3.3.3 CRJ/CLW converted 20 pairs WAP5 locomotives into Aero-dynamic WAP5 Push Pull locomotives for Amrit Bharat Trains.
- 3.3.4 Design Obsolete loco items, old and outdated tools, scrap materials etc. were disposed off and sent to GSD and free space is created to accommodate new materials.
  - i. Ferrous Items: 127.48 MT.
  - ii. Non Ferrous/ CU Items: 32.58 MT.

### 3.4 Inspection:

CLW has got four inspection cells operating in Mumbai, Delhi, Howrah and Bangalore. These cells are responsible to inspect the materials, monitor the supply position capacity-cum-capacity assessment of prospective vendors, prototype testing etc. During the year 2024-25, the inspection cells inspected the materials worth following:

S.No.	Place	Value of Materials Inspected in crores of Rupees
1.	Mumbai cell	421.65 Crores
2.	Howrah cell	206.13 Crores
3.	Bangalore cell	424.47 Crores
4.	Delhi cell	152.41 Crores

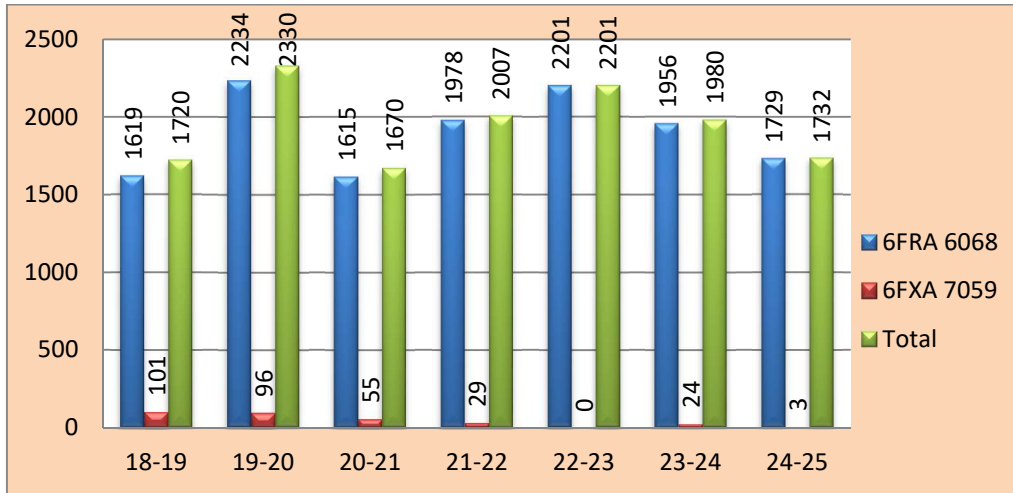
### 3.5 Traction Motors:

- 3.5.1 Total production of three phase traction motors during the FY 2024-25 was 1732 Nos. of which 1729 Nos. 6FRA 6068 & 03 Nos. 6FXA 7059 against total annual target of 1924 Nos. Target of 2024-25 was 1900 Nos. for 6FRA 6068 & 24 Nos. for 6FXA 7059 respectively. The outturn of TM production is 90% of annual production target.

#### 3.5.2. 3-Phase Traction Motors Type 6FRA 6068 & 6FXA 7059:

Year wise production of all type of TMs manufactured at CLW from the year 1969-70 onwards is given in Annexure 3.3.

Following Bar chart shows the production trend of Traction Motors at CLW:



TM Type	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
6 FRA 6068	1619	2234	1615	1978	2201	1956	1729
6FXA 7059	101	96	55	29	-	24	3
Total	1720	2330	1670	2007	2201	1980	1732

### 3.5.3 Supply of Spares to Zonal Railways:

The following materials were supplied to zonal Railways as RSP and vetted indents during the year 2024-25:

ITEM	QTY.
3 Phase Traction Motor (Co-Co) 6FRA-6068	86 nos.
3 Phase Traction Motor (Bo-Bo) 6FXA-7059	00 nos.

### 3.5.4 Improvements to Enhance Reliability:

TM Reliability measures undertaken:

- TM shop-23 has started measuring Viscosity of Sillion Resin SILRES H62C from May 2024 to ensure better insulation quality after VPI of TM Stator.
- TM shop has implemented high accuracy Digimatic Holtest Three Point Internal Micrometer (100-200 mm) for measurement of inner Diameter of Outer Labyrinth DE (Deflector) and Inner Racer of Bearing from July 2024. It will further improve the quality of TM.
- There were 56 cases of High/Loc Backlash during 2023-24. A committee of 3 JAG officers was formed in this issue and their suggestions was implemented by concerned bogie shop from July 2024, which resulted in zero failure due to backlash in CLW make TM.
- Use of RDSO specified modified rotor Zr. Cu stamping started and implemented from August 2024. Due to this, spillover of brazing material eliminated and brazing quality improved.

- TM specifications were modified to include maximum permitted inductance variation of 0.015 mH between phases of TM.
- Indigenous approved source of Auxillary Material-38, a GTE item, developed. Hence, this TM item is not required to be imported in future.
- Introduction of Induction Heater on TM shop to use for dismantling inner racer of bearing fitted on the rotor shaft of 3-phase TM type 6FRA 6068 & 6FXA 7059.
- To improve quality and reliability of CLW make TM, process & quality audit was conducted in the month of February 2025 against all 12 sections of shop – 20, 21 & 3. Officers of TM shops and supervisors of TM design office jointly conducted the audit.
- To measure and monitor the vibration of TM before dispatch of book shop, wheel run test setup has been installed on February 2025 in TM shop.
- 31 nos. vinyl boards indicating process flow chart of manufacturing of wound stator, complete rotor, traction motor, typical failure of traction motor, history of traction motor etc. has been provided and displayed at TM shops.
- To give aesthetic look of TM shops, epoxy flooring of rotor blazing section and stator winding section in bay No. 7 has been done.

### **3.5.5 Drive taken for Review & Digitalization of Specifications & STRs:**

Total 05 Nos. of TM Specifications, 04 Nos. of drawings and 01 No. STR got reviewed & digitized with digital signatures and uploaded in UVAM portal in the year 2024-25.

### **3.5.6 Thrust given to Vendor Development.**

16 Nos. of new vendors were developed and 15. Nos. of vendors were upgraded as regular vendor during 2024-25. New indigenous approved source of Auxiliary Material -38, a GTE item, developed. Hence, this TM item is not required to be imported in future. Source of Zirconium Copper stamping resistance ring for Scheme –I rotor was enhanced from single to double source.

### **3.5.7. Innovations & Developmental work in TM Shops:**

**The following M&P items have been added during 2024-25:**

- 01 no. new EOT crane of 5-ton capacity commissioned.
- 02 nos. Hydraulic system for Pinion Mounting Extraction unit commissioned.

### **3.5.8 Developmental and Other Works:**

#### **Improving House Keeping, Cleanliness, Condemnation of old M&Ps & IRIS Certification**

- Housekeeping and cleaning of TM Shops area and office premises were drastically improved by taking special drive involved staff, supervisors and officers.
- All old and obsolete scrap materials lying at shop floor and at various places were disposed off.
- 19.624 MT of Hazardous materials were disposed off from TM group of shops during the financial year through WBPCB nominated agency.
- Usable materials rearranged at specific location with signage.
- Displaying of failure/rejection of each stage, work instruction, drawing and necessary safety banner.

- Relevant SMIs, MSs and formats were made available at all section of TM shops.
- IRIS follow up Audit was successfully cleared by TM shops in October 2024 by closing all NCs by procuring Testing Equipment i.e. Digital Surge Comparison Tester for Stator Coil, Induction Heater for dismantling inner racer of bearing fitted on the rotor shaft of 3-phase TM etc. Calibration off all usable tools, jig & fixtures, measures instructions got done.
- 5S Workplace Management System certification has been obtained by the TM group of shops in October 2024.

### **3.6 Electric Loco Fabrication Group of Shops (ELF):**

**3.6.1** Electric Loco Fabrication Group of Shops consists of Shop ELS- 12, 15, 17 and 26. The following are the main activities of these shops:

#### **3.6.1.1 ELS-12 Shop.**

- Fabrication of WAG-9HC, WAG-9HH, TWIN LOCO & WAP-5 conversion shell.

#### **3.6.1.2. ELS-15 Shop**

- Fabrication of WAG-9HC, WAG-9HH, TWIN LOCO & WAP-5 conversion shell.
- Fitting of Duct Assl. Hotel Load
- Fitting of Bkt. Assly for conservator Stand (Anti-Vibration Bkt.)
- FP-BP Production Bucket
- Fitting of Unloader Valve Mounting Bracket.
- Fitting of Compensating Plate
- Fitting of Tee-brackets
- Fitting of mounting bracket for FRP Panel.
- Fitting o Bracket for Unloader Valve (isolating cock)
- Fitting of HRPT Bracket

#### **3.6.1.3. ELS-17 Shop.**

- Oxy-cutting of MS Sheets and Plates for shell, loco production.
- Fabrication of Under-frame of all (WAG9H, WAP-5 Conversion & Twin Loco) types of 3 phase electric locos.

#### **3.6.1.4. ELS-26 Shop**

- Fabrication of WAG-9HC, WAG-9HH, TWIN LOCO & WAP-5 conversion shell.

### **3.6.2 Production of Electric Loco Fabrication Group of shops during the year 2024-25:**

• <b>Total shell produced in 2024-25</b>		<b>290 nos.</b>
Loco Type-wise Breakup	WAG-9H/HC	201
	TWIN LOCO	89
	<i>WAP5 (conversion)</i>	<i>50</i>

**Comparative shell position of 2023-24 & 2024-25**

Year	2023-24					2024-25			
	WAG9H	WAG 9 HC	WAP-7	WAP5	Total	WAG9 (TGHC)	WAG-9 Twin	WAP5 Conv.	Total
April	03	21	00	00	24	15	00	00	15
May	03	23	00	00	26	31	00	00	31
June	02	24	00	00	26	25	00	00	25
July	04	20	00	00	24	30	00	00	30
August	03	19	00	00	22	31	00	04	31+04
Sept.	00	21	00	03	24	18	06	04	24+04
Oct.	00	21	00	01	22	10	10	04	20+04
Nov.	00	24	00	00	24	06	11	10	17+10
Dec.	00	17	00	00	17	08	17	12	25+12
Jan.	00	14	00	00	14	08	15	09	23+09
Feb.	00	31	00	02	33	13	13	04	26+04
March	03	21	00	00	24	06	17	03	23+03
Total	18	256	00	06	280	201	89	50	290+50*

\* 50 Nos. are WAP-5 Conversion Loco.

**Comparative underframe position of 2023-24 to 2024-25**

Loco type	3-Phase						Total	
	TGHC		TG TWIN		TP CON.		2023-24	2024-25
Year Months	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25		
April	20	24	0	0	0	0	20	24
May	28	20	0	0	0	0	28	20
June	24	25	0	0	0	0	24	25
July	25	29	0	0	1	0	26	29
August	24	27	0	0	2	0	26	27
Sept.	24	25	0	0	1	0	25	25
Oct.	21	7	0	14	0	0	21	21
Nov.	22	9	0	15	0	0	22	24
Dec.	24	8	0	15	2	0	26	23
Jan.	25	8	0	16	0	0	25	24
Feb.	23	6	0	16	0	0	23	22
March	20	7	0	16	0		20	23
Total	286	195	0	92	6		286	287

**3.7 Electric Loco Bogie Group of Shops:**

**3.7.1** Electric Loco Bogie group of Shops consist of Shops ELB-05, ELB-18 and ELB-25. The following are the main activities of these shops:

### 3.7.1.1 ELB– 05 Shop:

- Oxy-cutting of steel plates required for WAG-9HC Bogie frame production.
- Straightening and edge milling of plates cut by Oxy-cutting section.
- Fabrication of WAG-9HC bogie frame.
- Piping of WAP-5 bogie frames.
- Trial Run testing of motorized wheel sets.
- Assembly of WAG-9HC motorized bogies.

### 3.7.1.2 ELB-18 Shop:

- Trial run of motorized wheel sets.
- Assembly of WAG-9HC motorized Bogie.
- Machining of fabricated bogie frames of WAG-9HC loco.

### 3.7.1.3 ELB–25 Shop:

- Fabrication of bogie frames of WAG-9HC.
- Scheduled work of all shops as & when required.

## 3.8 Outturn 2024-25 (April'24 to March'25):

### 3.8.1 Assembly of Motorized Bogie during 2024-25:

Sl no.	Item	Total
1.	WAG-9HC	545 Loco set
2.	WAG-9HH	05 Loco set
3.	WAP-5	03 Loco set
	Total	553 Loco Set

### 3.8.2 Fabrication of Bogie Frame for 3-Ph. Loco:

Sl no.	Item	Total
1.	WAG-9HC Bogie frames	56.5 L/Set
	Total	56.5 L/Set

### 3.8.3. Achievements:

**3.8.3.1 Manufacturing of Motorized Bogie Assembly:** Total 553 L/Set motorized bogie have been assembled in the FY 2024-25, which is the 109 Loco Set (18 Nos. bogie) more than target 2023-24 444 Loco Sets.

### 3.8.3.2 OBJECTIVE 2024-25:

Quality objective:

SN	Objective	Status on 2024-25	Status on 2023-24	Remarks
01.	3% more first time right in bogie assembly work w.r.t. previous year	60.62 %	41.41%	Target Achieved
02	100% FTR bogie machining.	100 %	100%	Target Achieved
03	Reduction in rework hours/Loco by 5%	1.09 Hrs./Loco	1.38 Hrs./Loco	Target Achieved (Reduction in rework Hours/Loco: 21.01%)

EMS Objective:

SN.	Objective	Status on 2024-25	Status on 2023-24	Remarks
01.	M.S. Scrap generation in 2024-25	226.65 MT	240.36 MT	13.71 MT Reduction due to Bogie Fabrication

OHSAS Objective:

SN	Objective	Status on 2024-25	Status on 2023-24	Remarks
01.	100% Medical check-up of staff & Supervisors	100%	100%	Target Achieved

### 3.9 Production Control Organization:

- This wing provides various supporting activities for the production of Electric Locomotives like timely release of production documents to shops, processing and planning for the manufacture of Electric Locomotives, Rate fixing, Method Study, Calculation of in-house cost of Loco components and getting it vetted from Finance department, man power planning, timely submission of various data to Railway Board and other organisations.
- Production documents for the manufacture of (700 + 40 Nos.) Electric Locomotives (543 Nos. WAG-9HC, 07 Nos. WAG-9HH, 02 Nos. WAP-5, 148 Nos. Twin Locos & 40 Nos. TP Conversion loco) for the year 2024-25 were sent to shops well in advance to ensure smooth production.
- The Planning Dept. is continuously monitoring the booking of EIW and DW and the status of same is highlighted to concerned authorities. Efforts are being made to keep the EIW % within the limit of 15% as directed by the Rly. Board. In the year (2024-25) there has been remarkable improvement. The average EIW booking against Direct worker for 2024-25 is 12.75 % which is much less than stipulated limit of 15% as per Railway Board's guideline.
- To improve productivity and to rationalise the Allowed time for optimum utilisation of resources, Exhaustive time study of all the production activities has already been conducted by National



Productivity Council (NPC) under ministry of Commerce and Industry, Government of India .On the basis of final report submitted by NPC revised allowed time has been implemented from 1 st February 2024.

### **3.10 Quality:**

#### **3.10.1 Quality Objectives:**

- 3.10.1.1 Inspection of locomotives and its components in the Inspection Shop to be done 100% on the basis of Work Instruction and their related Design, Drawing, Specifications and relevant Standards to meet the Quality requirements on continuous basis.
- 3.10.1.2 Inspection within fortnight from date of receipt of call letter for inspection of Purchase items.
- 3.10.1.3. 5% or minimum 5 nos. of inspection of materials offered by the Vendors per month, are to be personally inspected by the outstation inspection Officer in-charge.

(NB: Sl. No. 3.10.1.2 and 3.10.1.3 above are applicable only for Outstation inspection wing of CLW located at NDLS, Mumbai, Bangalore and Howrah.)

#### **3.10.2 Other objectives:**

- 3.10.2.1. Constant endeavor of Quality improvement of the products at all stages of manufacturing which are turned out from different shops of CLW.
- 3.10.2.2. To carry out inspection of various assembly and sub-assembly at TM Shops, Wheel Shop, HMS, LMS, Loco Fabrication Shop & Loco Assembly Shops and also Steel Foundry Shops.
- 3.10.2.3. To certify the Material Movement Slip for movement of product conforming to the drawings/WI/Specification, from one shop to other and consequently clearing Job Cards related to that product.
- 3.10.2.4. Preparation of Inspection Check sheets in soft copy with detail references to inspections done at various stages of loco manufacturing, testing and commissioning. These are mailed to user Railways with equipment particulars list for each loco in the form of Loco Inspection Certificate.
- 3.10.2.5. To carryout inspection (by supervisors of various Inspection Shops) of foreign material as and when offered by the stores Department along with related P.O. and other document of procurement (This activity involved visual checking of items and verification of relevant documents).
- 3.10.2.6. To carryout all process of acquiring and maintaining certification of various industrial Standards (like: IRIS, ISO etc., e.g. Weld Quality Management System, Work Place Management System and Integrated Management System consisting Quality Management System- Environment Management System – Occupational Health & Safety Management System). All of these involve regular updating of documents followed by arrangement and execution of regular routine internal audit and surveillance external audit.

#### **3.10.3 Achievements:**

- 3.10.3.1 The deviations and deficiencies (NCs) per loco observed during inspection has been reduced by 23.55% in year 2024 - 2025 in comparison to previous year 2023 – 2024 which is an indication of improvement in Quality of loco production. Simultaneously the Repeated nature of inspection bookings was also reduced in year 2024 - 2025 compared to previous year 2023 – 2024.

- 3.103.2 The vital data for preparation of inspection check sheets of each Loco, are presently internally shared by mail between various Inspection shops and Loco IC Cell which has been reduced the time lag in preparation of Loco IC and sending the same to user Loco shed (i.e. customer).
- 3.10.3.3. Regular printing of all standard inspection check sheets in hard copy mode had been stopped and the inspection data are now being fed directly into the check sheets in softcopy mode. This data for each loco in 100% soft copy is compiled to prepare Loco Inspection Certificates and the same are usually mailed to the various nominated user Rly Loco Shed which has been saved the time as well as travel cost.
- 3.10.3.4. Customer feedback rating for CLW built locomotives as per IRIS requirement are now being collected through newly introduced Google form that are usually shared to different user loco sheds.
- 3.10.3.5. **5266** Nos. of Loco Inspection Certificates in the form of Booklets consisting total **57598 pages** (for Loco produced by CLW before 2021-22) those were preserved in 15 Nos. of Almirah are now scanned to made their Softcopy in PDF and all these huge no. of hard copy of loco IC are in process of condemnation followed by disposal to GSD.
- 3.10.3.6 Repeated inspection bookings and their follow-up action had been ensured reliability improvements in each group of shops as below:

### **Shell Shops**

- Lifting of side wall with polyester sling had been introduced for better protection of rain gutters that leads to minimize the deformities of rain gutters.
- Close monitoring of revised Work Instruction of CBC minimized the NC pertaining to distance of CBC from Head Stock.
- Special attention on revised drawing related to Thickness of Compressor Leg ensured to minimize the problem of failure and related customer complaint on Compressor Leg.
- Cab side sill unevenness and OCU Level is maintained in most of the shells at Underframe manufacturing stage due to enhanced inspection activity on this issue.
- Roof hatch Retainer is now fitted in most of the shells at ELF shops and the same are cross checked by ELA shops at their stage of work that reduces the deficiencies/NCs in this area of fabrication.
- BP & FP Protection cover fitment as per RDSO modification had been ensured by introducing inspection checkpoint in the related stage of work.
- NCs of cambering has been reduced by close monitoring of inspection wings.
- Welding quality had been improved by repetitive inspection booking followed by close monitoring the same.

### **Bogie Shops**

- The issue of temperature rise of traction motors and axle box as well as the vibration of traction motor had been reduced a lot in the year 2024-25 in comparison to earlier year 2023-24, by means regular close monitoring of inspection activities in this area.
- Problem related to Frictional Arm fouling with Brake Lever, Brake Shoe overriding on wheel, J-Clamp fouling with bottom slack adjuster, had been reduced by special attention of Inspection wings on this issue.

- Due to special attention of Inspection wings the oversized dimension reported for 'D' Shackle gap is now minimized in fabricated bogie.
- Centering of Hole Position is maintained in AXLE GUIDE ("H" Block) by enhancing attention of inspection in this area.
- Motor support bracket distance of hole circumference to side wall is improved by inspection at every stage.
- Bogie stopper fouling with brake hanger lever is now improved and brake shoe key oxy cut into proper size has been ensured due to regular tight checking of Inspection representative.

### **TM Shops**

- An operation of heat treatment for Stator was introduced to relieve stress to get satisfactory measurement of bore diameter ( $480 \pm 0.2\text{mm}$ ).
- End plate shifting with laminated stamping at both side DE and NDE side of stage assembly has been improved by enhancing stage inspection.
- Half ring welding defects at NDE side of Rotor Core Assembly had been rectified and close monitoring results to stop the re-occurrence of the same.
- Fitment of deficient grease nipple, dowel pin, below plate base matching, bearing cap bolt had been restricted by close monitoring of inspection in the area.

### **Wheel & HMS Shop**

- The Critical dimensions of 100% Stator are being measured through CMM Machine that ensured the concentricity of Stator as per standard value.
- Proper position of holes in striker casting is ensured by introducing template.
- Cleaning of Bull gear check had been introduced to minimize dirt in gear oil & thus maintaining its density.
- Desired surface roughness (as per drawing) of axle is achieved by enhanced inspection in this area.
- Improvement in accuracy in MSU also achieved by introducing regular checking through CMM that are regularly witnessed by Inspection representative.
- Errors in maintaining right angle in upper part of Head stock had been minimized by strict inspection in this area.

### **Loco Assembly Shops 19/16**

- Uniform laying of TM Sensor Cables through perforated sheet in sidewalls had been ensured by introducing regular inspection of the area.
- Securing of cables by wrapping neoprene sleeves around them in areas of fouling on sharp edges had been ensured by regular inspection of the same.
- Proper and firm placement of edge protecting rubber grommet in Centre Sill cut outs were ensured by introducing check points in the inspection stage.
- Red markings as indication of tightness checked for all cable terminals and equipment fixing bolts had been ensured by repetitive NC followed by monitoring the same.
- For better aesthetic and reduction of IC-0 complaints from shed, Cables are ensured neatly dressed in all stage of connections followed by introducing regular inspection.
- Proper and full insertion of Eit Sleeve inside coupler boots in all panels had been ensured by newly implemented regular inspection activity.

- Fixation of name plates related to VCU reset modification issued by RDSO were being ensured by regular checking of internal inspection wings.
- Water leakages had been minimized by improvement in fitment quality and proper welding followed by strict inspection check.
- Light passing through roof joints had been improved by ensuring proper alignment of the joining parts by means of regular tight inspection activity.
- Gap between Center pillar cover bottom and Driver desk had been improved by constant inspection in this area.
- Application of adhesive in cab floor mat quality has been improved by regular close monitoring of Inspection representative.
- Unwanted holes in machine room floor had been blocked and minimized by repetitive inspection booking in this area.
- Fouling with ballast weight & reservoir-3 had been improved.
- Ballast weight support oxy cut quality had been improved.
- Fouling of MR-3 Copper pipe with corner checker plate had been minimized.
- Deficiency of Bolt in machine room blower lobster duct & transition duct joint had been stopped.
- ULV Isolating cock as per RDSO modification 412 had been implemented and regularized by regular close inspection activity in this area.
- Torque standard had been maintained for side buffers, dampers, traction bar and foot step fitment by regular strict inspection in this area.
- Implementation of RDSO modifications 475, 480, 490 in SB/1 & 2 Panels had been ensured by regular close inspection activity in this area.
- Infringement of cable looms from BUR-1 to HB-1 & from BUR-2 to HB-2 against sharp edge of SB- 1 & SB-2 mounting bases respectively had been minimized by enhanced inspection observation.

### **Steel Foundry**

- 100% inspection and monitoring of Hook Core resolved the problem of Integrated Lifting Hook pocket Jam.
- Surface finish of modified Striker Casting and IGBT Ballast Block has been improved by regular & strict inspection (in spite of acute shortage of inspection staff of SF) to meet the customer expectation/satisfaction.

### **3.10.3.8 Future Plan:**

- A suitable application software is required to be developed for feeding all the inspection data and equipment particulars to prepare soft copy of Loco Inspection Certificates and sharing the same to user Railway Sheds (customer).
- All the soft copy of Loco Inspection Certificates either old or new will be uploaded to any standard Railway Website which may be searched by any customer (user railway Shed) with download option by login procedure. Henceforth sharing of Loco IC through Mail may not be continued that will result in saving of time and manpower. It will also ensure easy availability of any Loco IC of CLW built locomotive for any Railway personnel.

### 3.10.4 Status of ISO certification in CLW/Chittaranjan pertaining to ISO-Cell (FY 2024-25):

SN	Certification	Date of Expiry	Applicable area
1	ISO-9001:2015 (Quality Management System)	03/02/2028	CLW Workshop and Steel foundry.
2	ISO-14001:2015 (Environment Management System)	03/02/2028	CLW Workshop, Steel foundry & Township.
3	ISO-45001:2018 (Occupational Health & Safety Management System)	03/02/2028	CLW Workshop and Steel foundry.
4	ISO-3834:2021 (Fusion Welding for Metallic Material)	16/10/2027	ELF Group of Shops.
5	5S -Workplace Management System	17/11/2027	TM Group of Shops.
6	IRIS (ISO TS/22163) International Railway Industry Standard	09/12/2027	CLW Workshop, ELAAU/DKAE, Stores, Purchase and Inspection Cells.

### 3.11 Liaison and Service Wing :

The Liaison and Service (L&S) Wing of CLW is to perform the task of meeting the requirements of Capital spares allotted by Railway Board against bulk RSP & Railways' own need of Spares against PO for maintenance of locomotive at Electric Loco Sheds and POH/Repair shop over Indian Railways. Broadly, Liaison and Service Wing perform the following functions:-

- Consolidating the demands in the form of RSP from Railway Board & PO from Railways for purchased, shop manufactured items.
- Co-ordination with Stores department for the procurement of such spares and to issue work orders for the shop manufactured item.
- Supplying spares to the Railways through Stores / Shops as per demand and availability.
- Co-ordination with Railway Board for timely provision of fund for RSP items.
- To maintain accountal of such supplies.
- Co-ordination with the firms for proper direct supplies of bulk RSP items to zonal Railways.

#### 3.11.1 Spares to Railways:

In the year 2024-25, spares worth Rs. 36015.95 Lakhs (as on 31.03.2025) were supplied to Zonal Railways. The breakup of the same may be seen at Annexure 3.4:

### 3.12 Power Supply:

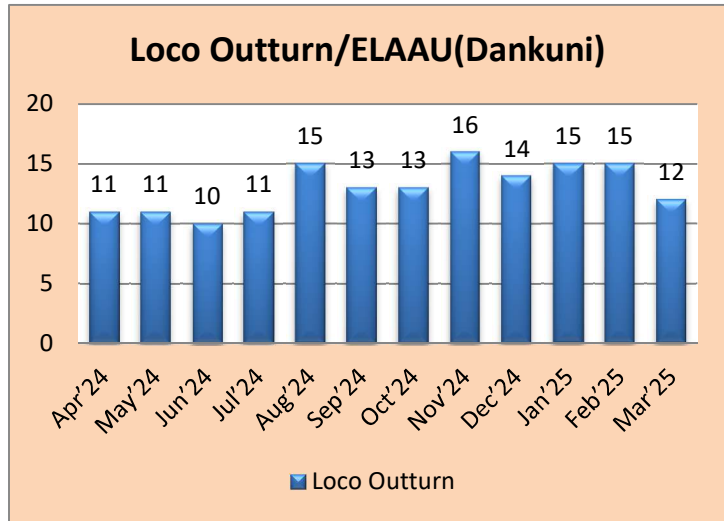
#### 3.12.1 Details of electrical energy purchase, generation and consumption. from April 2024 to March 2025:

	Energy Purchased/Generated	Expenditure incurred
Purchase from DVC	2,90,72,621 kWh.	Rs. 22,22,26,284
Generated by DG in CLW	23,576 kWh.	-----
Generated by 146 KW Solar Plant (CLW)	1,10,976 kWh	-----
Generated by 1 MW Solar Plant	13,01,797 kWh	Rs. 57,51,338
Generated by 4.86 MW Solar Plant	51,54,149 kWh	Rs. 2,31,42,129
Total (DVC + Generator + Solar)	3,56,59,403 kWh	Rs. 25,11,19,751

### 3.13 ELAAU Dankuni:

Electric Loco Production Figure for the financial year 2024-25 for Electric Loco Assembly and Ancillary Unit of CLW/Dankuni are as under:

SN	Month	Loco Out turn
1	Apr'24	11
2	May'24	11
3	Jun'24	10
4	Jul'24	11
5	Aug'24	15
6	Sep'24	13
7	Oct'24	13
8	Nov'24	16
9	Dec'24	14
10	Jan'25	15
11	Feb'25	15
12	Mar'25	12
	<b>Total</b>	<b>156</b>



### Annexure – 3.1

The Production programme finalized by Railway Board and the actual production achieved by CLW from 2015 to 2024-25 is as under:

YEAR		WAP-4 (RAJ)	WAG-7 (HH)	WAG-9 (TG)	WAG-9 HH	WAP-7 (TPP)	WAP-5 (TP)	TWIN LOCO	TP CON	Total
2015-16	Target	30	35	140		58	17			280
	Actual	30	35	140		58	17			280
2016-17	Target	-	-	175		95	30			300
	Actual	-	-	190		79	23			292
2017-18	Target	-	-	210		110	32			350
	Actual	-	-	222		107	21			350
2018-19	Target	-	-	299	00	71	30			400
	Actual	-	-	298	01	73	30			402
2019-20	Target	-	-	359	01	45	25			430
	Actual	-	-	363	01	39	28			431
2020-21	Target	-	-	328	03	32	27			390
	Actual	-	-	336	01	33	20			390
2021-22	Target	-	-	449	05	13	18			485
	Actual	-	-	450	05	13	18			486
2022-23	Target	-	-	490	42	00	08			540
	Actual	-	-	422	06	00	08			436
2023-24	Target	-	-	534	40	00	06			580
	Actual	-	-	540	36	00	04			580
2024-25	Target	-	-	560	10	00	02	138	*40	710+*40
	Actual	-	-	543	07	00	02	148	*40	700+*40

## YEAR BY YEAR OUT TURN OF ELECTRIC LOCOMOTIVES FROM CLW

Year	DC WCM-5	DC WCG-2	ACMT WAG-1, WAG-4	ACMT WAM-4	ACMT (WK) WAM4B	WAG5A	ACMT WAP 1,3,4	ACMT WCAM4	WAG 7	WCM6 / WCG3	WAG 9H	WAG-9HH	WAP-7	WAP-5	TWIN LOCO	Grand Total
1961-62	5															5
1962-63	14															14
1963-64	2		2													4
1964-65			27													27
1965-66			32													32
1966-67			57													57
1967-68			50													50
1968-69			28													28
1969-70			31													31
1970- 71		3	41	6												50
1971-72		6		40												46
1972-73		14		41												55
1973-74		14		36												50
1974-75		13		32				1								46
1975-76		4		46				4								54
1976-77		3		28				13								44
1977-78				41				18								59
1978-79				40	5			11								56
1979-80				43	2			6								51
1980-81				54	11		4									69
1981-82				33	17											50
1982-83				51	2											53
1983-84				9	17	21										47
1984-85						49	1									50
1985-86						54										54
1986-87						70	1									71
1987-88						65	1									66
1988-89						98	2									100
1989-90						100	5									105
1990-91						102	8									110
1991-92						104	10		1							115
1992-93						108	12		5							125
1993-94						105	15		20							140
1994-95						105	15		30							150
1995-96						61	14		59	1						135
1996-97						25	18		111	1						155
1997-98							28		137							165
1998-99							45		112		08					165
1999-00							60		50		08		01	01		120
2000-01							50		62		05		01	02		120

2001-02							34		40		06		02			82
2002-03							28		27		07		06	01		69
2003-04							32		36		09		09			86
2004-05							32		36		11		09	02		90
2005-06							40		60		24		04	01		129
2006-07							37		77		35		01			150
2007-08							47		98		49		03	03		200
2008-09							51		115		31		20	03		220
2009-10							40		120		39		18	03		220
2010-11							40		120		40		18	12		230
2011-12							44		126		45		19	12		246
2012-13							37		123		57		40	13		270
2013-14							27		100		93		31	13		264
2014-15							35		70		98		40	7		250
2015-16							30		35		140		58	17		280
2016-17											190		79	23		292
2017-18											222		107	21		350
2018-19											298	1	73	30		402
2019-20											363	1	39	28		431
2020-21											336	1	33	20		390
2021-22											450	5	13	18		486
<b>2022-23</b>											<b>422</b>	<b>6</b>	<b>0</b>	<b>8</b>		<b>436</b>
<b>2023-24</b>											<b>540</b>	<b>36</b>	<b>0</b>	<b>4</b>		<b>580</b>
<b>2024-25</b>											<b>543</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>148</b>	<b>700</b>
<b>TOTAL</b>	<b>21</b>	<b>57</b>	<b>268</b>	<b>500</b>	<b>54</b>	<b>1067</b>	<b>843</b>	<b>53</b>	<b>1770</b>	<b>02</b>	<b>4069</b>	<b>57</b>	<b>624</b>	<b>244</b>	<b>148</b>	<b>12970</b>

**Summary as on 31.03.2025**

Steam Locomotives 2351  
 Diesel Locomotives 842 **Total: 12970**  
 Electric Locomotives 9777

\* TP CONVERSION LOCO = 40 Nos. in 2024-25



## Annexure 3.3

## ANNUAL PRODUCTION OF TRACTION MOTORS AT CLW

Year	MG-1580	TAO-659	HS15250A	6FRA6068	6FXA7059	TOTAL
1969-70	92	0	0	0	0	92
1970-71	92	0	0	0	0	92
1971-72	18	129	0	0	0	147
1972-73	0	75	0	0	0	75
1973-74	0	195	0	0	0	195
1974-75	0	255	0	0	0	255
1975-76	4	349	0	0	0	353
1976-77	12	233	0	0	0	245
1977-78	12	425	0	0	0	437
1978-79	8	425	0	0	0	433
1979-80	8	385	0	0	0	393
1980-81	10	432	0	0	0	442
1981-82	5	430	0	0	0	435
1982-83	8	420	0	0	0	428
1983-84	4	361	0	0	0	365
1984-85	1	305	0	0	0	306
1985-86	3	325	0	0	0	328
1986-87	12	440	0	0	0	452
1987-88	6	380	0	0	0	386
1988-89	8	350	779	0	0	437
1989-90	14	350	00	0	0	364
1990-91	9	450	21	0	0	480
1991-92	5	500	80	0	0	585
1992-93	6	500	95	0	0	601
1993-94	2	400	250	0	0	652
1994-95	0	220	422	0	0	642
1995-96	0	92	630	0	0	722
1996-97	0	36	701	0	0	737
1997-98	0	4	750	0	0	754
1998-99	0	0	755	6	0	761
1999-00	0	0	600	6	4	610
2000-01	0	0	528	30	0	558
2001-02	0	0	400	36	4	440
2002-03	0	0	320	76	14	410
2003-04	0	0	392	124	08	524
2004-05	0	0	417	128	04	549
2005-06	0	0	726	205	0	931
2006-07	0	0	761	276	04	1041
2007-08	0	0	896	321	8	1225
2008-09	0	0	881	316	5	1202
2009-10	0	0	815	390	24	1229
2010-11	0	0	1000	373	44	1417
2011-12	0	0	900	332	43	1275
2012-13	0	0	913	564	60	1537
2013-14	0	0	676	844	42	1562

2014-15	0	0	672	759	19	1450
2015-16	0	0	465	1019	30	1514
2016-17	0	0	0	1315	70	1385
2017-18	0	0	0	1688	53	1741
2018-19	0	0	0	1619	101	1720
2019-20	0	0	0	2234	96	2330
2020-21	0	0	0	1615	55	1670
2021-22	0	0	0	1978	29	2007
2022-23	0	0	0	2201	0	2201
2023-24	0	0	0	1956	24	1980
2024-25	0	0	0	1729	3	1732
Total	339	8466	15145	22140	744	46834

CLW/CHITTARANJAN

ANNEXURE- 3.4

SUPPLY OF SPARES TO ZONAL RAILWAYS AGAINST RLY BOARD'S RSP & REQUISITIONS OF ZONAL RAILWAYS (1<sup>st</sup> Apr 2024-31<sup>st</sup> March 2025)

(All Costs are in Rs. Lakh)

Sl.	Item description	CR		ECoR		ECR		ER		NCR		NR		SCR		SECR		SER		SR		WCR		NER		NFR		NWR		SWR		WR		Oth ZR	Ttal qty.	Total cost of supply	
		RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ	RSP	REQ				
1.	TM for G-9/P-7	5		11		2		3		8		5		13		5				12	7			2	4	2	4					4	5		86	1763.32	
2.	TM for P-5																																				
3.	Stator of TM for G-9																																				
4.	Rotor of TM for G-9																																				
5.	Transformer of G-9/P-7 (7775KVA)																																				
6.	Transformer of P-5(6531 KVA)																	1															4	5	481.08		
7.	Composite Converter																																				
8.	Auxiliary Converter																																				
9.	Traction Converter																																				
10.	Propulsion Equipment	5				1	4	1	1	2				1	2			4	4			1									2	5	42	8647.57			
11.	E-70 Brake System		2										2						1	1		1										10	17	682.44			
12.	Vehicle Control Unit			5											10		8										2				17		42	1028.16			
13.	Driver's Display Unit																																				
14.	Bogie Frame WAP-5																																				
15.	Bogie Frame WAP-7																																				
16.	Bogie Frame WAG-9																																				
17.	Brake Rigging WAP-5																																				
18.	Brake Rigging WAP-7			2											1			1																4	20.99		
19.	Brake Rigging WAG-9																																				
20.	Wheel & Axle Assly. WAP-5																																				
21.	Wheel & Axle Assly.WAP-7																																				
22.	Wheel & Axle Assly. WAG-9																																				
23.	Gear Case Assly. WAP5																																				
24.	Access Tool / Diag System																																				
25.	High Reach Pantograph	61		7		400		186		151		60		146		36						130		17		67					8			1269	8260.19		
26.	High Speed Panto AM92																																				
27.	Remote Monitoring																																				
28.	DPWCS			26																														26	807.28		
29.	2x500 Kva Hotel load Converter	12		1		1		13				5		13		1		1		6		8									1		62	6889.95			
30.	Oil Free Compressor																																				
31.	VCB																																				
32.	Oil Cooler Radiator			1	1		2	8	2					2			2																	18	88.74		
33.	Main Compressor																																				
34.	Primary Volage Transformer				2								3	2		2													2					11	41.69		
35.	HB1 & HB2 PANEL																																				
36.	SB1 & SB2 PANEL																																				
37.	Pivot Housing																																				
38.	30 KW Oil Cooling Blower							2					4	2									7										6	20	41	107.97	
	Cost of items from row 1-38																																			28819.38	
	Cost of Misc. items in Rs. Lakh	878.17		121.39		170.57		721.37		323.07		622.11		322.97		167.25		742.96		64.37		38.64		23.83		52.53		86.24		58.92		237.80		2564.36	7196.55		
	(RSP+PO+MISC) Total cost in Rs. Lakh	3799.76		1386.97		5846.90		3917.38		1882.06		1771.03		2988.46		1303.52		2244.89		1968.49		2035.36		135.52		488.92		255.17		67.69		1430.33		4493.48	36015.93		

## **CHAPTER-IV**

### **MECHANICAL ENGINEERING**

#### **4.1 Steel Foundry**

##### **4.1.1 Overview**

**Location of the Factory:**      **P.O. & P.S.:**      **Chittaranjan**  
**Dist:**                              **Paschim Bardhaman, PIN - 713331**

The Factory is located at Chittaranjan, Dist: Paschim Bardhaman, West Bengal, approx. 240 km. from Kolkata. The location is well connected by road and rail from Howrah Station.

Steel Foundry as a part of Chittaranjan Locomotive Works was set up for supplying Steel casting products of locomotives. It has two electric Arc furnace of 12 Ton & 10 Ton capacity. CLW follows stringent quality processes, duly certified with

ISO                                      : ISO 9001::2015, ISO 14001: 2015, ISO 45001::2018, ISO 22163:2023  
Total Area of the Plant : 45 acres (182108.70 sq. m.)  
Covered Area                      : 12.4 Acres (50181.064 sq. m.)  
Product                                : Steel casting for rolling stocks

##### **4.1.2. Important Milestones:**

- **ISO-9002 CERTIFICATE - In August 1996** Steel Foundry was awarded with the ISO-9001 Certificate for its Quality Standards. In the year 2000 these certification was called off and replaced by ISO 9001:: 2000.  
Accordingly, Steel Foundry got **ISO-9001::2008 Certification in October 2009** and it is continuously followed since then. Now it has been awarded with **ISO-9001::2015 certification on 04.02.2025** which is updated and current version of **ISO-9001::2008**. This certification is valid upto **03.02.2028** with two survey to be done at the interval of one (01) year from the date of issue of this certification.
- **ISO-14001::2015 CERTIFICATE** - Steel Foundry was accredited with Environment Management System (EMS 14001: 2004) certification in the year 2006 with the objective to regularly educate the staff, encouraging them to preserve the environment and conserve the environment as well as utilizing all the existing natural resources in a eco-friendly manner. It is continuously followed since then. Now it has been awarded with ISO-14001:: 2015 certification on 04.02.2025 which is updated and current version of ISO-14001::2015 certification. This certification is valid upto 03.02.2028 with two survey to be done at the interval of one (01) year from the date of issue of this certification.
- **IRIS CERTIFICATE** – During the processing work for obtaining IRIS Certification based on ISO- 22163:2023, no single CON-CONFIRMATIVE REPORT (NCR) issued by Audit Firm M/S. DNV Business assurance Zertifizierung GnbH. This certification is valid upto 09.12.2027.

### 4.1.3. Product Range:

#### Steel Castings:

##### A) Grade of Steel-

Steel Foundry manufactures steel castings generally compliant with grades IS-1030 and AAR-201. To meet the requirements of different products, Steel Foundry had earlier been processing six different grades of metal.

##### B) Details of castings produced at Steel Foundry:

Grade	C%	Mn%	S% (Max)	P% (Max)	Si% (Max)	Cr %	Ni%	Mo%
Grade-I	0.23-0.25	0.80-1.20	0.035	0.040	0.60	NIL	NIL	NIL
Grade-II	0.18-0.23	0.70-0.90	0.04	0.04	0.5	NIL	NIL	NIL
Grade-B	0.32	0.90	0.030	0.030	0.60	NIL	NIL	NIL

##### C) Present grades of steel & castings products are as follows:

Grade	Products
Grade-I	IGBT Ballast Block
Grade-B	Modified Striker Casting (Loco)

### 4.1.4 Product Mix of Steel Foundry:

#### 4.1.4.1 Loco-items:

	<u>ITEMS</u> :	<u>WEIGHT</u>
•	IGBT Ballast Blocks for WAG-9 loco.	7.400 MT
•	Modified Striker Casting (Loco)	0.140 MT

### 4.1.5 Outturn Performance:

#### 4.1.5.1 Cast Outturn:

Description	Annual Target	Cum. Actual up to Mar-2025
Cast in MT	2234.00 MT	2269.68 MT

#### 4.1.5.2 Month-wise Casting Outturn:

Month	Outturn	Month	Outturn	Month	Outturn
Apr'24	186.40	Aug'24	194.22	Dec'24	218.13
May'24	220.12	Sep'24	151.11	Jan'25	217.29
Jun'24	177.71	Oct'24	221.55	Feb'25	156.24
July'24	181.55	Nov'24	178.58	Mar'25	166.78
Total Outturn: 2269.68 MT					

**4.1.5.3 Supply Outturn:**

Description	Annual Target	Cum. Actual up to Mar-2025
Supply in MT	2234.00 MT	2243.64 MT

**4.1.5.4 Month-wise Supply Outturn:**

Month	Supply	Month	Supply	Month	Supply
Apr'24	164.20 MT	Aug'24	186.68 MT	Dec'24	208.60 MT
May'24	216.28 MT	Sep'24	193.94 MT	Jan'25	185.84 MT
Jun'24	186.96 MT	Oct'24	179.00 MT	Feb'25	185.84 MT
July'24	179.42 MT	Nov'24	164.20 MT	Mar'25	192.68 MT
Total Outturn: 2243.64 MT					

**4.1.6 Production and Supply of Important Items:**

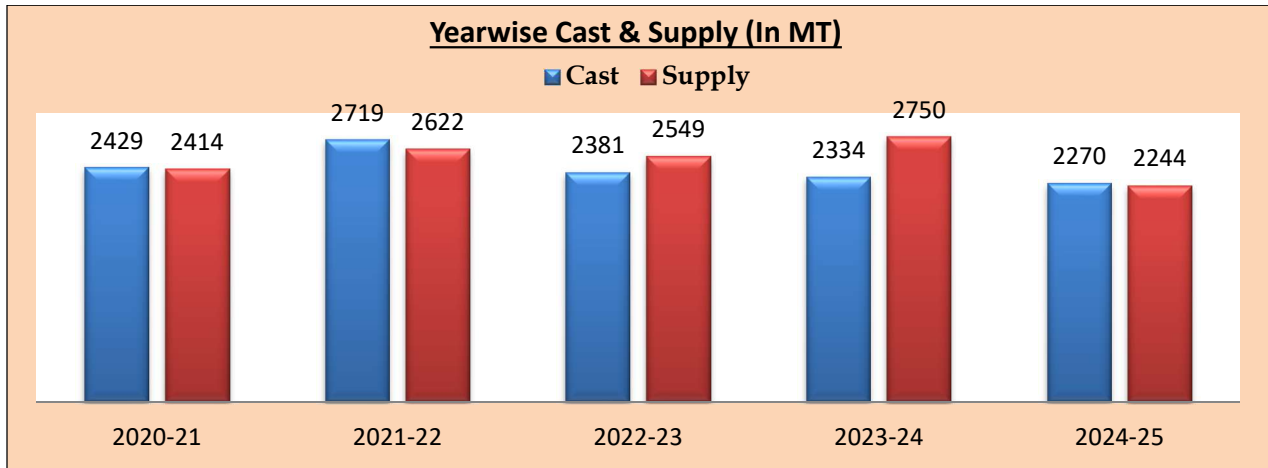
**4.1.6.1 Casting Target and Achievement in 2024-25:**

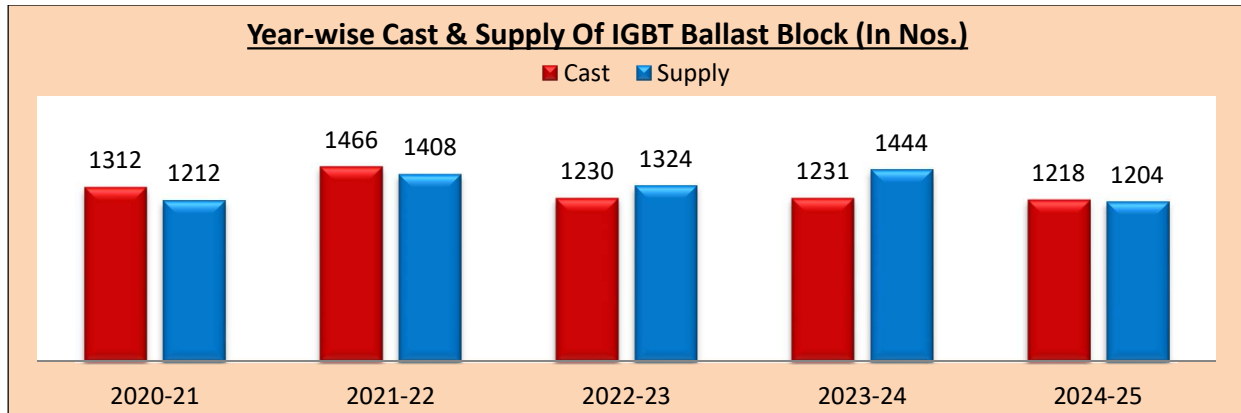
SN	Item	Target	Achievement
1	IGBT Ballast Block	1200 Nos.	1218 Nos.
2	Modified Striker Casting (Loco)	200 Nos.	234 Nos.

**4.1.6.2 Supply Target and Achievement in 2024-25:**

SN	Item	Target	Achievement
1	IGBT Ballast Block	1200 Nos.	1204 Nos.
2	Modified Striker Casting (Loco)	200 Sets	234 Sets

**4.1.7 Year-wise Cast and Supply for Last Five Years Are as Shown in Bar Chart Below:**





#### 4.1.8. Plant & Safety:

##### 4.1.8.1 SAFETY ORGANISATION

The personnel of Safety Department of Steel Foundry/CLW regularly monitor the safety related parameters i.e. use of Personal Protective Equipment, Proper use of Material handling equipment, unsafe working practices etc. to ensure the safety of staff of SF /CLW.

As preventive measures every worker are provided with PPE like helmet, safety shoes, nose mask, ear plug/muff, had gloves, goggles for staff of concerned workers. More over exhaust fitted on the roof, PCD attached with Furnace, Sand Plant & Pattern shop to minimize environment pollution. Fire extinguisher are placed at various locations to put off the fire. Fire hydrants for supply of water during emergency installed at various locations within the factory premises.

As per statutory obligation Safety section/SF also persuade to monitor Occupational Health Hazards, periodically Medical checkup of staff of Steel Foundry.

It also maintains Liaison with the office of the Dy. Chief Inspector of Factories and Sr. Environment Engineer/ West Bengal Pollution Control Board of Asansol and Kolkata. Compliances of the issues required by both the statutory bodies mentioned above and done from time to time.

##### 4.1.8.2 Achievements of Safety Department in Steel Foundry/CLW for the year 2024-25:

As per previous years, the Steel Foundry has continued its effort to improve work place safety and minimize property damage in 2024-25. The continuous monitoring by the Safety Department of Steel Foundry/CLW including regular Plant Safety Inspeccitons, and coordination wit the maintenance Department to implement preventive measures, has plaed a crucial role in ensuring a safety working environment. Key safety measures implemented:

1. Regular safety Inspection – Routine Checks are conducted to ensure the proper functioning of all machinery and equipment.
2. Preventive maintenance – Comprehensive inspection of the furnace and other essential machinery before operation to prevent malfunctions.
3. Fire Safety Advisory: identifying potential fire hazards and raising awareness among workers to mitigate risks.
4. Improvement of housekeeping – Maintaining a cleand and organized workplace, which significantly reduce the likelihood of accidents.

5. Training and awareness on unsafe Acts- Educating Workers on workplace hazards and encouraging adherence to safety protocols.
6. SOP for work at height – to reduce accident while work at height, all staff mandatorily follow the SOP for work at height.

As a result of these proactive measures, there has been no fire incidents in the Steel Foundry during the financial year 2024-25, which is a significant achievement. Additionally, due to increased safety awareness among workers, there have been no Non-Reportable accidental injuries this financial year. This is a testament to the continual improvement of the organization’s safety standards.

## 4.2 Manufacturing Shops:

Manufacturing group of shops consists of Heavy machine shop, Wheel shop, Light machine shop, Smithy & Forge shop, Heat Treatment shop and Tool Room. Millwright and Electrical Maintenance shops look after maintenance of all M&Ps of loco works, power supply and distribution inside loco works. M&P cell deals with planning and process for procurement & commissioning of machines sanctioned by Rly. Board & GM/CLW under M&P Plan Head-4100 & 4200. It also consists of TPT shop including Road and Industrial vehicle maintenance work and shunting work.

### 4.2.1 Details of manufacturing shops:

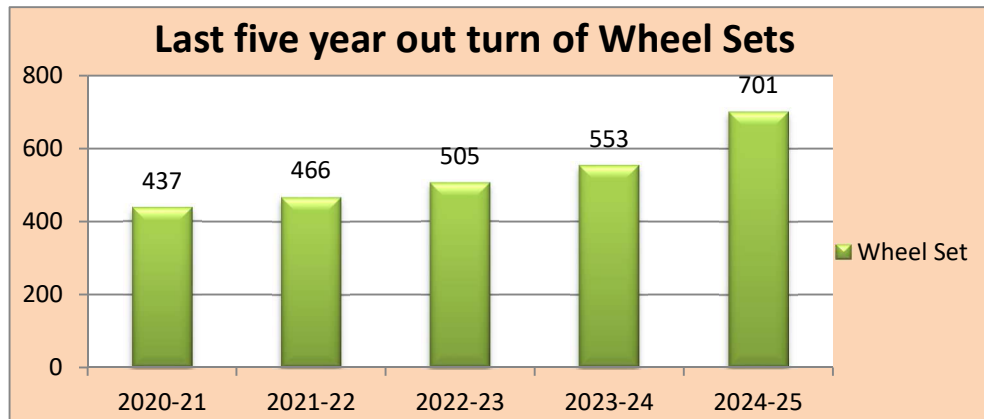
- (i) **Wheel Shop:** Wheel shop manufactures wheel sets for loco production as well as spares to Zonal Railways. Presently wheel sets for WAG-9HC, WAG-9HH and WAP5 locos are manufactured.
- (ii) **Heavy Machine Shop:** Heavy machine shop undertakes the manufacturing of 3 Phase Stator (fabrication & machining, fitting), fabrication of Head Stock & Bolster, Machining of Loco Striker Casting, machining of Transom, Motor support etc.
- (iii) **Smithy & Forge Shop:** SFS undertakes fabrication of Head Stock of WAG9HC, WAG-9HH and WAP5 locos and operating rod.
- (iv) **Light Machine Shop:** LMS manufactures various small components like roof mounting panto, tapped pad and brake rigging item etc. to meet the requirement of WAG 9HC loco production.
- (v) **Tool Room:** Tool room carries out calibration of various gauges, fixtures, instruments etc to meet the ISO requirements.
- (vi) **Heat Treatment Shop:** Heat Treatment Shop undertakes heat treatment of 3 Phase Bogie Frame and other items e.g. Axle Holder, Motor support, Striker Casting, Torque support manufactured in Mfg Shops.

**Performance of Manufacturing Shop is furnished in the Table-‘A’**

**Table – ‘A’**  
**Production Performance of Mfg. shops:**

SL No.	Year	Wheel sets (L/S)	Stator (Nos.)	Bolster (L/S)	Head stock (L/S)	Striker Casting Machining (L/S)	Sand Box Assembly (L/S)
1.	2020-21	362	669	40	30	Nil	Nil
2.	2021-22	466	386	36	38	Nil	Nil
3.	2022-23	505	971	45	48	305.5	85
4.	2023-24	553	902	60	50	384.5	20
5.	2024-25	701	902	15	30	100	-





#### 4.2.2. Achievement of Mfg. Group of Shops During the Year 2024-25:

- WS-09 shop manufactured 701 L/S Wheel Set in 2024-25 which is an all-time record.
- All digital measuring instruments are being used for improvement of quality and reliability of finished product i.e Holemetic bore gauge, Snap gauge, surface roughness tester, outside micrometer, wheel distance gauge, wheel dia-gauge.
- Approx. 1285 MT scrap was disposed off from Mfg. group of shops in the FY 2024-25 Approx. 434.978 MT scrap was disposed off from Mfg. group of shops in the FY 2023-24.

#### 4.3 Brief Regarding Plant Maintenance Organization (Loco Works):

**Plant Maintenance Organization:** CLW has more than 491 M&Ps including 117 Nos. EOT Cranes & Hoist in Loco Works. Breakdown as well as preventive maintenance of M&Ps including 68 Nos. critical machines are carried out by the Plant Maintenance Organization consisting of Millwright Shop (MTS-56), Electrical Repair Shop (ERS-59) and CNC Wing. Plant Maintenance Organization deals with repairing, reconditioning, re-engineering, retro-fitment of machineries and plant, maintenance of Heritage Locomotives & electrical maintenance of lighting inside shops. Installation of new small machineries and plants, condemnation & uprooting of old M&Ps are also carried out by the Maintenance Shops-56 & 59. TPT-57 shop:- TPT-57 shop deals with maintenance and operation of staff car, material handling equipment (FLT, PLT, Truck, Dumper Tractor etc.) and also deals with shunting of shell, bogies and locos.

##### 4.3.1 Special Work Done During 2024-25:

1. One time repairing/renovation & system modification work has been done of the M/c. such as 02 Nos. Servo Stabilizers of critical CNC Machines, HOESCH Press machine No. 09/7535/01 at WS-09, Struttgart Hydraulic Press M/c. (300 Ton) No. 21/7581/02 at TM-21, Premier Milling machine No. 08/2595/02, HMT Profile Milling M/c. No. 05/2598/01, Askar ATL M/c. No. 09/1115/02, Premier VTL M/c. No. 09/1789/02, SB CNC-60 Machine No. 09/1114/01, H.H. Shearing M/c. No. 15/7064/02, Abro Balancing M/c. No. 21/9373/01, Induction Heater M/c. No. 09/6211/06, Oxy-cutting M/c. No. 05/6025/02, Askar Micron Machine No. 23/0687/01, CNC Vertical machining Centre batliboi M/c. No. 20/0682/03, HYT VTL Machine No.09/1789/03,

2. Statutory Inspection, Testing & certification of EOT Crane 125 Nos., Chain Slings- 285 Nos., Hoist- 16 Nos., Tools tackles- 49 Nos. & Unified Pressure vessels 162 Nos. (External tested) Internal 20 Nos., Hydrostatic Tested 61 Nos, Loco and shell lifting tackle -09 Nos.
3. CAMC of Radius make Automatic Coil Winding machine under TM-23 for 05 years.
4. Supply and commissioning of New shrouded DSL (640 metres) for safe power supply.(OT basis)
5. Supply and installation of 100 nos. maintenance free Earth pits for substations and loco shops. (OT basis)
6. Installation of timers for automatic illumination of over head lights inside Loco shops (40 new locations).
7. Reconditioning of Old diesel Test shed for use as new testing location of ELS-19.
8. Supply and commissioning of 500 nos. energy efficient pedestal fans inside loco works in compliance to energy audit recommendations.
9. AMC finalized for 03 nos. critical CNC machines for 02 years.
10. AMC of 02 nos. DANOBAT ATL machines under WS-09.
11. Renovation of EOT Crane no-370.
12. Replacement of Hoist motor with brake units in 04 nos. Jib cranes.
13. One Driver Cab of WAG-9 (Twin Loco) fabricated and painted inhouse from rejected materials and installed at CRJ Station.
14. One Loco model of WAG-9 installed at Platform No.-1 with brief history and achievements of CLW.
15. Art work related to different milestone locomotive manufactured in CLW are installed at main entrance of CRJ station.
16. Installation of Cab Model of EF-12K & Amrit Bharat at Works Office Entrance & C- D&D.
17. Installation of Loco Model of Amrit Bharat & wAG-9 Twine Loco at Heritage Museum.
18. NDM-5 Loco No. 801 shifted, renovated & installed at Desh-Bandhu Loco Park.
19. 02 nos. Scale down Model WAP-5 for AMRIT BHARAT and 02 Nos. WAG-9 HC (EF-12K)
20. has been manufactured in Heritage Section of MTS-56 and installed at Administrative Building.
21. One peacock made from scrap materials has been fabricated and installed at DeshbandhuLoco Park.
21. Cleaning contract (OT basis) –Contract awarded to M/s. Biswajit Dey/Asansol and cleaning work started from 01/04/2025.
22. Disposed of total scraps are Ferrous – 1,06,369 Kgs. and Non Ferrous – 9257 Kg. during the year 2024-2025.
23. TPT-57 disposed scrap of valuing Rs. 21,93,052.6 and fuel saved in official vehicle and MHEs is 14,758 Ltrs. during the year 2024-25 Comparison with the last financial year.

#### 4.3.2 Uptime / Availability of Critical Machines :

Plant wing of CLW has been entrusted with the maintenance of all M&P items which are more than **491 Nos.** of all the shops.

Out of the above M&Ps, 68 Nos. of M&Ps have been identified as critical machines. The breakdown of any of these critical machines directly affected the production of Locomotive. Hence, these critical machines are monitored very closely.

The availability percentage of various categories of machines in CLW during 2024-2025 as given below:

##### **TARGET AND ACHIEVEMENT**

Availability	Target	Achievement
Critical M&Ps (68 Nos.)	Up To 90%	97.47%
Non Critical M&Ps (306 Nos)	Up To 90%	98.63%
EOT Cranes ( 117 Nos.)	Up To 90%	99.28%

### 4.3.3 Condemnation of M&Ps:

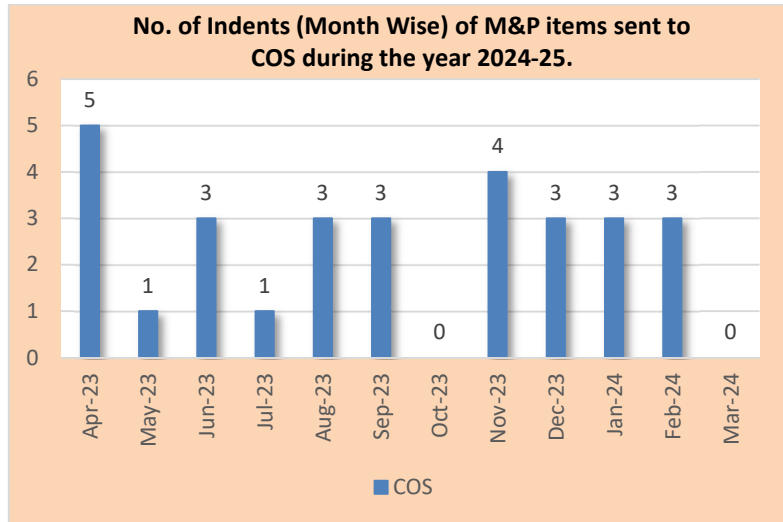
During the year 2024-25, 60 (M&Ps & Vehicles) nos. of machines have been condemned. (scrap approx. weight -150.408 MT, scrap value approx Rs. 57,95,038.45)

### 4.4 Brief regarding M&P section:

#### 4.4.1 No. of M&P Indents month wise sent to Purchase Office during FY 2024-25:

Graphical as well as tabular form:

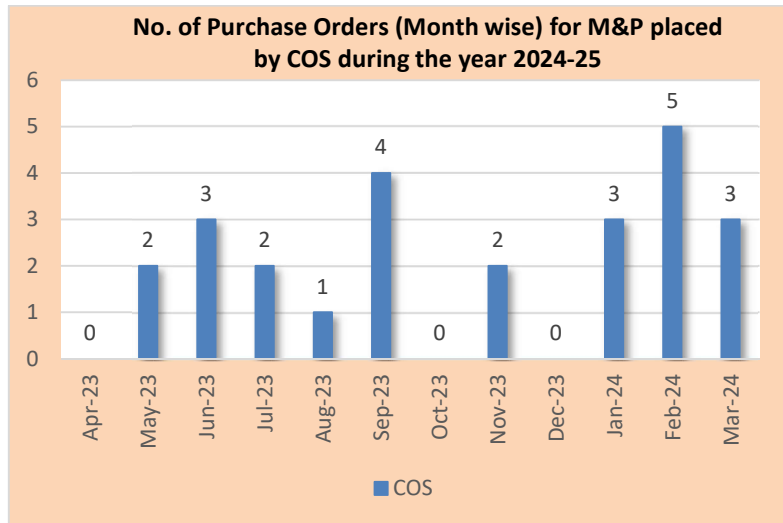
Month	COS
April 2024	5
May 2024	1
June 2024	3
July 2024	1
August 2024	3
September 2024	3
October 2024	0
November 2024	4
December 2024	3
January 2025	3
February 2025	3
March 2025	0
Total	29



#### 4.4.2 No. of Purchase Orders (Month wise) for M&P placed by COS during the year 2024-25.

Graphical as well as tabular form:

Month	COS
April 2024	0
May 2024	2
June 2024	3
July 2024	2
August 2024	1
September 2024	4
October 2024	0
November 2024	2
December 2024	0
January 2025	3
February 2025	5
March 2025	3
Total	25



#### 4.4.3 List of New M&Ps proposed and sanctioned in M&P Programme:

##### A. M&P programme 2025-26 (RB Sanction)::

05 nos. new M&P proposals submitted to Railway Board for sanction under M&P Programme 2025-26.

SN	Description	Consignee	Qty.	Allocation	Sanction Cost (Rs. in 000)
1	Truck, Load Capacity : 04 Ton.	Dy.CME/Plant	01 no.	DRF	1,803
2	Truck, Load Capacity : 10 Ton.	Dy.CME/Plant	01 no.	DRF	2,634
3	Diesel Hopper Tripper Dumper, Capacity – 04 cubic meter	Dy.CME/Plant	01 no.	DRF	1,875
4	Diesel Hopper Tripper Dumper, Capacity – 11 cubic meter	Dy.CME/Plant	01 no.	DRF	3,450
5	Grit/Shot Blasting Plant	Dy.CME/ELA	01 no.	CAP	1,46,580
<b>Total</b>					<b>1,56,342</b>

##### B. GM's Out of Turn 2024-25:

Total 19 Nos. new M&Ps have been sanctioned against M&P Programme GM's Out of Turn Powers 2024-25.

SN	Description	Consignee	Qty.	Allocation	Sanction Cost (Rs. in 000)
1	Locomotive Weighing Scale (Static), Capacity 180T, Overload capacity 200T	Dy.CME/ELA	01 no.	CAP	3085
2	Spring Testing Machine, 20 Ton	Dy.CME/ELA	01 no.	CAP	1335
3	Advance Phacoemulsification Machine	PCMO/KGH	01 no.	CAP	4660
4	Royal Enfield Motorecycle	IG-cum-PCSC /RPF	01 no.	CAP	189
5	Loco Lifting Hydraulic Jack	Dy.CME/ELA	01 Set	CAP	6786
6	FLT-3T	Dy.CME/ Plant	04 nos.	DRF	5006
7	VVVF Drive 3 phase AC Traction Motor Testing Plant for Light Load for testing upto full/rated speed	Dy.CME/ DKAE	01 no.	CAP	3313
8	Universal Testing Machine, Cap. 20T	Dy.CME/SF	01 no.	DRF	1907
9	Hydraulic Press Vertical, Capacity: C-Frame – 100 Ton	Dy.CME/ELB	01 no.	CAP	3036
10	Rotor Bars Swaging Machine	Dy.CEE/ TMM	01 no.	CAP	3379
11	Tape and Scale Calibrator, Capacity: Range-2000mm., Resolution-0.001, Magnification 10x, $\pm (10+L/100 \text{ m})$ , (L in mm)	Dy.CME/Mfg.	01 no.	CAP	1857
12	Rain Water Leakage Test Plant	Dy.CME/ELA	03 Set	CAP	14933
13	Shell Lifting Tackles, capacity- 47.5 Ton. and Tackle stand	Dy.CME/ELF	01 Set Each	CAP	2073

14	Battery Operated Broad Gauge Rail Cum Road Shunter, Capacity 500 Ton	Dy.CEE/Loco	02 Set	CAP	43959
15	Battery Operated FLT, Capacity 3 Ton	Dy.CME/DKAE	04 nos.	CAP	7376
16	Loco Underframe Fixture for WAG-9 & WAG-9H	Dy.CME/ELF	01 no.	CAP	6249
17	Inverter Based MIG-MAG Synergic Pulse welding Plant, Water Cooled torch, capacity- 450 amp.	Dy.CME/ELF	50 nos.	CAP	40303
18	Electronic Road Weighbridge, Pitless Type, Capacity-80 Ton	Dy.CMM/D	01 Set	CAP	2782
19	Electronic Road Weighbridge, Pitless Type, Capacity- 80 Ton	Dy.CMM/G	01 Set	CAP	2782
<b>Total</b>					155010

The detailed break up of cost under CAP and DRF are given below:-

Allocation	Qty.	Sanction Cost ( in 000 ₹)
CAP :	17 Nos.	1,48,097
DRF :	02 Nos.	6,913
Total :	19 Nos.	1,55,010

#### 4.4.4 Fund utilization during 2024-25:-

##### Plan Head - 4100

(fig. in 000 of Rs.)

Allocation	Budget Grant	Revised Grant	Expenditure Incurred	Percentage of Utilisation w.r.t. Budget Grant	Percentage of Utilisation w.r.t. Revised Grant
CAP	29557	22700	16812	56.88%	74.06%
DRF	11314	3500	3563	31.49%	101.80%
RRSK	1042	1300	–	0%	0%
Total	41913	27500	20375	48.61%	74.09%

#### 4.4.5. Details of M&Ps received in 2024-25 (Plan Head -41):

SN	Yr. of sanc.	Description., Qty., Allocation, Cost	A.T. / PO Ref.	Supplier's Name.	Consign.& Location	Date of Receipt
1	M&P 22-23	CNC Co-ordinate Measuring Machine, Size – 1200×2000, 01 no., DRF, 12980	25225030100336 Date: 16.05.2024	M/s. Accurate Gauging and Instruments Pvt. Ltd., Pune.	Dy.CEE/ TMM	31.08.24
2	M&P 23-24	Heavy Duty Turning Lathe, 01 no., CAP, 3422	25235068100178 Date: 07.03.2024	M/s. Top Engineers, Batala.	Dy.CME/ Mfg.	06.02.25
3	M&P 22-23	Routine Test Plant for Testing of 3- Phase Traction Motors, 01 no., RRSK, 53631	25235122101102 Date: 12.11.2024	M/s. Crest Test Systems Pvt Ltd., Pune.	Dy.CEE/ TMM	26.03.25

4	M&P 24-25	(Inverter Based MIG/MAG) Synergic Pulse Welding Plant, Water Cooled Torch (450 Amp.), 20 nos., DRF, 11800	29245054100088 Date: 04.02.2025	M/s. Magatronic India Pvt. Ltd., Chennai.	Dy.CME/ ELF	29.03.25
5	GM OOT 22-23	EOT Crane – 5 Ton, 01 no., DRF, 2928	25235014100688 Date: 23.09.2023	M/s. Reva Industries Pvt. Ltd., Faridabad.	Dy.CEE/TMM	28.06.24
6	GM OOT 23-24	Royal Enfield Bullet Motorcycle, 03 nos., DRF, 396	84245254200897 Date: 02.05.2024	M/s. EICHER Motors Ltd., New Delhi.	IG-cum-PCSC	10.07.24
7	GM OOT 21-22	Wall Travelling Jib Crane – 02 Ton, 01 no., CAP, 2270	25225015100567 Date: 30.08.2023	M/s. National Engineering Workshop, Gaziabad.	Dy.CME/ ELB	06.09.24
8	GM OOT 23-24	Hydraulic System for Pinion Mounting & Extraction, 02 nos., CAP, 4130	25245041100399 Date: 10.06.2024	M/s. Crimpwell Services, Kolkata.	Dy.CEE/ TMM	04.09.24
9	GM OOT 23-24	Dynamic Balancing Machine, 02 nos., CAP, 3351	PO:25245042100 459 Date: 01.07.2024	M/s. Abro Technologies Pvt. Ltd., New Delhi.	Dy.CEE/TMM	21.10.24
10	GM OOT 24-25	Royal Enfield Motor Cycle, 01 no., CAP, 146	84245417201641 Date: 20.08.2024	M/s. EICHER Motors Ltd., New Delhi.	IG-cum-PCSC	22.10.24
11	GM OOT 23-24	VVVF Drive 3-Phase Traction Motor Plant for Light Load for Testing upto Full/Rated speed, 01 no., CAP, 1552	25245078100443 Date: 25.06.2024	M/s. Crest Test Systems Pvt Ltd., Pune.	Dy.CME/ ELB	26.10.24
12	GM OOT 23-24	Synergic Pulse Welding Plant, 06 nos., CAP, 3894	25245081100777 Date: 18.09.2024	M/s. Migatronic India Pvt. Ltd., Chennai.	Dy.CME/ELF	15.01.25
13	GM OOT 22-23	Hydraulic Multi Swaging Machine, 08 nos. DRF, 3012	25235010100778 Date: 18.09.2024	M/s. Crimpwell Services, Kolkata.	Dy.CME/ELA	30.01.25
14	GM OOT 23-24	Full HD Laparoscopic Set, 01 no., CAP, 4081	25245142101180 Date: 27.11.2024	M/s. Helios Medical Systems, Kolkata.	PCMO/ KGH	29.01.25
15	GM OOT 23-24	Guillotine Shearing Machine, 01 no., DRF, 3186	PO:25245054100 517 Date: 25.07.2024	M/s. United Engineering Corporation, New Delhi.	Dy.CME/ELF	03.02.25
16	GM OOT 23-24	Fully Automatic Bio-Chemistry Analyser with ISE, 01 no., DRF, 4612	84245325200302 Date: 17.02.2025	B. K. Surgicines, Kolkata	PCMO/ KGH	19.11.24
17	GM OOT 24-25	Spring Testing Machine, Capacity – 20 Ton., 01 no., CAP, 915	25245100100681 Date: 02.09.2024	M/s. ASI Sales Pvt. Ltd., New Delhi.	Dy.CME/ELA	27.02.25

#### 4.4.6 M&P's commissioned during 2024-25 (Plan Head – 41)

S N	Yr. of san.	Description, Qty., Allocation, Cost	Supplier & AT/PO No	Consign.	Date of receipt.	Date of Comm.
1	M&P 09-10	Routine Test Plant for Testing 3 Phase Asynchronous Motor, 01 no., CAP, 23250	05/2009/7001/89626 dated 29.07.2010. M/s Western Electrical & Trading Co., Delhi.	Dy.CEE/ TMM	28.02.24	17.01.25
2	GM OOT 22-23	Blood Storing Refrigerator, Single Door 300-360 Litres, 01 no., WMS, 234	84235158201237 Date: 30.08.2023. M/s. Rattan Sales Corporation, Haryana.	PCMO/ KGH	30.11.23	15.04.24
3	GM OOT 23-24	Royal Enfield Bullet Motorcycle, 03 nos., DRF, 396	84245254200897 Date: 02.05.2024. M/s. EICHER Motors Ltd., New Delhi.	IG-cum-PCSC	10.07.24	15.08.24
4	GM OOT 22-23	1000 KVA Distribution Transformer, 01 no., DRF, 1950	25235023100520 Date: 19.08.2023. M/s. Servokon Systems Ltd., Delhi.	Dy.CME/ SF	17.04.24	05.08.24
5	GM OOT 22-23	EOT Crane – 5 Ton, 01 no., DRF, 2928	25235014100688 Date: 23.09.2023. M/s. Reva Industries Pvt. Ltd., Faridabad.	Dy.CEE/ TMM	14.08.24	19.09.24
6	GM OOT 23-24	Hydraulic System for Pinion Mounting & Extraction, 02 nos., CAP, 4130	25245041100399 Date: 10.06.2024. M/s. Crimpwell Services, Kolkata.	Dy.CEE/ TMM	13.09.24	08.10.24
7	GM OOT 24-25	Royal Enfield Motor Cycle, 01 no., CAP, 146	84245417201641 Date: 20.08.2024. M/s. EICHER Motors Ltd., New Delhi.	IG-cum-PCSC	23.10.24	31.10.24
8	GM OOT 23-24	Full HD Laparoscopic Set, 01 no., CAP, 4081	25245142101180 Date: 27.11.2024. M/s. Helios Medical Systems, Kolkata.	PCMO/ KGH	29.01.25	12.02.25
9	GM OOT 23-24	Synergic Pulse Welding Plant, 06 nos., CAP, 3894	25245081100777 Date: 18.09.2024. M/s. Migatron India Pvt. Ltd., Chennai.	Dy.CME/ELF	18.01.25	17.02.25
10	GM OOT 23-24	Fully Automatic Bio-Chemistry Analyser with ISE, 01 no., DRF, 4612	84245325200302 Date: 17.02.2025. M/s. B. K. Surgicines, Kolkata.	PCMO/ KGH	19.12.24	08.03.25
11	GM OOT 23-24	VVVF Drive 3-Phase Traction Motor Plant for Light Load for Testing upto Full/Rated speed, 01 no., CAP, 1552	25245078100443 Date: 25.06.2024. M/s. Crest Test Systems Pvt Ltd., Pune.	Dy.CME/ELB	30.12.24	28.03.25
12	GM OOT 22-23	Hydraulic Multi Swaging Machine, 08 nos. DRF, 3012	25235010100778 Date: 18.09.2024. M/s. Crimpwell Services, Kolkata.	Dy.CME/ ELA	21.02.25	28.03.25

#### 4.7 Chemical & Metallurgical Laboratory

Chemical & Metallurgical Laboratory consists of three units i.e. Main Laboratory/Loco, NDT Laboratory /Loco and Steel Foundry Laboratory under control of CMT and assisted by 02 Nos. ACMT are responsible for quality assurance of Electric Loco components and miscellaneous mechanical items.

Main Laboratory/Loco conducting metallurgical, chemical and destructive test of casting, forging & fabricated components as well as Physico-Chemical test of non-metals, rubber items, paints, oil & lubricants.

NDT Laboratory /Loco conducting Non-destructive test of casting, forging & fabricated Electric Loco components and miscellaneous mechanical items.

Steel Foundry Laboratory ensures quality control of inputs and finished products of Steel Foundry including stage wise process control. The Chemical & Metallurgical wing of Steel Foundry ensures quality control of castings like Striker Casting, IGBT Block etc. It also ensures quality control of different raw material of Steel Foundry like Ferro – manganese, Silico – Manganese, Ferro-silicon, Ferro - molybdenum, iron ore, silica sand, core binders, bentonite power etc. It also ensures quality control of furnace consumables like basic lining bricks, high alumina bricks, ladle bricks etc.

Main activities of Chemical & Metallurgical Organization is as under:-

- Chemical analysis of Ferrous & non-ferrous alloys using spectrometer.
- Testing of Loco items as per Loco production target to meet the requirement.
- Control Test of Water Purification Plant.
- Technical investigations including failure analysis.
- Calibration of Laboratory Inspection Measuring and Test Equipment (IMTE) from outside Agency.

#### 4.8 . Performance W.E.F. 01.04.2024 to 31.03.2025

##### 4.8.1 Main Laboratory:

Month		Type of Test											Total
		Chem.	Phy.	Bend Test	Macro Str.	Micro Str.	Grain Flow	Impact	Hardness	Paint	Oil & Lubricant	Rubber & others	
Apr '24	No. of Samples	92	164	37	0	30	0	39	1	22	0	31	416
	No. of Tests	647	336	37	0	70	0	117	2	257	0	67	1534
	No. of Rej.	7	0	0	0	0	0	0	0	0	0	0	7
	% of Rej.	7.6	0	0	0	0	0	0	0	0	0	0	1.68
May '24	No. of Samples	20	23	13	0	6	0	4	0	11	1	17	95
	No. of Tests	124	63	13	0	6	0	12	0	150	2	39	409
	No. of Rej.	1	0	0	0	0	0	0	0	0	0	0	1
	% of Rej.	5	0	0	0	0	0	0	0	0	0	0	1.05
Jun '24	No. of Samples	116	411	40	0	23	0	47	7	21	0	16	681
	No. of Tests	715	618	40	0	65	0	141	21	42	0	36	1678
	No. of Rej.	6	1	0	0	0	0	0	0	3	0	1	11
	% of Rej.	5.17	0.24	0	0	0	0	0	0	14.29	0	6.25	1.62
Jul '24	No. of Samples	59	152	37	1	16	0	24	5	23	1	10	328
	No. of Tests	329	254	37	1	28	0	72	15	300	2	25	1063
	No. of Rej.	4	1	0	0	0	0	0	0	0	0	0	5
	% of Rej.	6.77	0.66	0	0	0	0	0	0	0	0	0	1.52
Aug '24	No. of Samples	94	124	40	0	0	0	23	0	9	4	5	299
	No. of Tests	652	257	40	0	0	0	69	0	134	7	23	1182
	No. of Rej.	4	0	0	0	0	0	0	0	0	3	0	7
	% of Rej.	4.25	0	0	0	0	0	0	0	0	75	0	2.34
Sep '24	No. of Samples	10	8	2	0	4	0	0	1	12	3	8	48
	No. of Tests	63	21	2	0	8	0	0	3	151	10	15	273



	No. of Rej.	1	3	0	0	0	0	0	0	0	0	0	4
	% of Rej.	10	37.5	0	0	0	0	0	0	0	0	0	8.33
Oct '24	No. of Samples	54	72	23	1	1	0	21	2	6	1	5	186
	No. of Tests	325	154	23	1	3	0	63	6	88	3	17	682
	No. of Rej.	0	0	0	0	0	0	0	1	0	0	0	1
	% of Rej.	0	0	0	0	0	0	0	50	0	0	0	0.54
Nov '24	No. of Samples	8	197	1	10	0	0	3	0	12	3	5	239
	No. of Tests	56	211	1	10	0	0	9	0	12	8	24	331
	No. of Rej.	0	3	0	1	0	0	0	0	8	0	0	12
	% of Rej.	0	1.52	0	10	0	0	0	0	66.67	0	0	5.02
Dec '24	No. of Samples	0	505	1	0	0	0	5	0	31	3	16	561
	No. of Tests	0	539	1	0	0	0	15	0	62	8	20	645
	No. of Rej.	0	0	0	0	0	0	0	0	17	0	0	17
	% of Rej.	0	0	0	0	0	0	0	0	54.84	0	0	3.03
Jan '25	No. of Samples	0	103	0	2	0	0	0	0	0	3	3	111
	No. of Tests	0	103	0	2	0	0	0	0	0	6	17	128
	No. of Rej.	0	17	0	0	0	0	0	0	0	1	0	18
	% of Rej.	0	16.51	0	0	0	0	0	0	0	33.33	0	16.21
Feb '25	No. of Samples	8	52	1	0	0	0	0	0	0	4	2	67
	No. of Tests	55	68	1	0	0	0	0	0	0	8	9	141
	No. of Rej.	0	0	0	0	0	0	0	0	0	1	0	1
	% of Rej.	0	0	0	0	0	0	0	0	0	25	0	1.49
Mar '25	No. of Samples	26	14	13	0	0	0	3	6	0	2	17	81
	No. of Tests	197	42	13	0	0	0	9	18	0	4	37	320
	No. of Rej.	9	0	0	0	0	0	0	0	0	0	0	9
	% of Rej.	34.61	0	0	0	0	0	0	0	0	0	0	11.11
<b>1st</b>	<b>Total No. of Samples</b>												<b>3112</b>
<b>April'24</b>	<b>Total No. of Tests</b>												<b>8386</b>
<b>31st</b>	<b>Total No. of Rej.</b>												<b>93</b>
<b>Mar'25</b>	<b>% of total Rej.</b>												<b>2.988432</b>

#### 4.8.2 N. D. T./ Lab./ Loco:

Month		Type of Test					Total
		UT	RT	M.P.T	D.P.T	Misc.	
April '24	No. of Samples	1262	0	606	186	38	2092
	No. of Tests	3672	0	606	2163	114	6555
	No. of Rej.	3	0	0	0	0	3
	% of Rej.	0.24	0	0	0	0	0.4
May '24	No. of Samples	1168	0	420	162	20	1770
	No. of Tests	3364	0	420	2084	60	5928
	No. of Rej.	0	0	0	0	0	0
	% of Rej.	0	0	0	0	0	0
June '24	No. of Samples	1278	0	484	144	20	1926
	No. of Tests	3716	0	484	1832	60	6092
	No. of Rej.	0	0	0	0	0	0
	% of Rej.	0	0	0	0	0	0
July '24	No. of Samples	1306	0	661	163	0	2160
	No. of Tests	3928	0	661	1734	90	6413
	No. of Rej.	2	0	3	15	0	20
	% of Rej.	0.15	0	0.45	9.2	0	0.93
Aug '24	No. of Samples	1265	0	492	104	30	1891

	No. of Tests	3862	0	492	1714	90	6158
	No. of Rej.	5	0	0	4	0	9
	% of Rej.	0.4	0	0	3.85	0	0.48
Sep '24	No. of Samples	1054	0	469	10	20	1646
	No. of Tests	3260	0	469	2585	60	6374
	No. of Rej.	1	0	1	0	0	2
	% of Rej.	0.09	0	0.21	0	0	0.12
Oct '24	No. of Samples	1255	0	441	184	20	1900
	No. of Tests	3774	0	441	2230	60	6505
	No. of Rej.	0	0	0	0	0	0
	% of Rej.	0	0	0	0	0	0
Nov '24	No. of Samples	908	14	365	180	20	1487
	No. of Tests	2858	14	365	2106	60	5403
	No. of Rej.	0	3	1	0	0	4
	% of Rej.	0	21.43	0.27	0	0	0.27
Dec '24	No. of Samples	1095	0	441	196	20	1752
	No. of Tests	3288	0	441	2126	60	5915
	No. of Rej.	2	0	5	0	0	7
	% of Rej.	0.18	0	1.13	0	0	0.4
Jan '25	No. of Samples	1475	0	499	220	20	2214
	No. of Tests	4212	0	499	2576	60	7347
	No. of Rej.	1	0	2	0	0	3
	% of Rej.	0.07	0	0.4	0	0	0.14
Feb '25	No. of Samples	1245	0	485	222	10	1962
	No. of Tests	3780	0	485	2361	30	6656
	No. of Rej.	0	0	0	0	0	0
	% of Rej.	0	0	0	0	0	0
Mar '25	No. of Samples	1509	0	520	160	9	2198
	No. of Tests	4354	0	520	1961	27	6862
	No. of Rej.	1	0	0	0	0	1
	% of Rej.	0.07	0	0	0	0	0.05
1st April'24 to 31st March'25	Total No. of Samples						23659
	Total No. of Tests						77942
	Total No. of Rej.						45
	% of total Rej.						0.19

#### 4.8.3 Steel Foundry: (Metallurgical & Chemical Lab/Steel Foundry)

Month		Type of Test				Total
		Sand Stage Lab.	Physical	Raw Material & Chem.	Field Furnace Lab.	
April '24	No. of Samples	1122	4	2	82	1210
	No. of Tests	1182	4	16	380	1582
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
May '24	No. of Samples	1210	2	25	113	1350
	No. of Tests	1290	2	55	565	1912
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
June '24	No. of Samples	1236	2	0	104	1342
	No. of Tests	1326	2	0	520	1848
	No. of Rej.	0	0	0	0	0

	% of Rej.	0	0	0	0	0
July '24	No. of Samples	1414	3	2	84	1503
	No. of Tests	1494	3	10	420	1927
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Aug '24	No. of Samples	1107	3	5	95	1210
	No. of Tests	1167	3	40	475	1685
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Sep '24	No. of Samples	1022	2	11	58	1093
	No. of Tests	1062	2	88	289	1441
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Oct '24	No. of Samples	1062	2	13	113	1190
	No. of Tests	1122	2	104	565	1793
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Nov '24	No. of Samples	1097	2	1	80	1180
	No. of Tests	1137	2	8	400	1547
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Dec '24	No. of Samples	1460	2	13	116	1591
	No. of Tests	1137	0	104	580	2184
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Jan '25	No. of Samples	1623	3	14	83	1722
	No. of Tests	1683	3	122	415	2222
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Feb '25	No. of Samples	1148	1	24	86	1259
	No. of Tests	1188	1	92	430	1711
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
Mar '25	No. of Samples	1094	1	7	77	1179
	No. of Tests	1134	1	56	385	1576
	No. of Rej.	0	0	0	0	0
	% of Rej.	0	0	0	0	0
1 <sup>st</sup> April'24 to 31 <sup>st</sup> Mar'25	Total No. of Samples	15829				
	Total No. of Test	21428				
	Total No. of Rej.	0				
	% of Rej.	0				

#### 4.9 Safety Organization:

**a) Supply & use of Personal Protective equipment provided during the year 2024-25 in locoshop:**

Period	Types of PPE distributed/replaced	No. of PPE distributed/replaced
01-04-24 to 31-03-25	i. Industrial Safety Shoes	3,140 Pairs
	ii. MIG welding hand gloves	1,300 Pairs
	iii. Dust proof factory goggles	596 Nos.
	iv. Industrial Safety Helmet	2,035 Nos.
	v. Nitrite Hand Gloves (size 12')	2,884 Pairs
	vi. Leather Gauntlet (General)	17,130 Pairs
	vii. Leather Gauntlet (Hot material Handling)	832 Pairs
	viii. Welding face protective helmet	167 Nos.
	Total	28,084 units

**b) Safety Awareness & Violation of Unsafe Acts & Unsafe Condition in loco shop for FY 2024-25:**

Safety Awareness & Violation of Unsafe Act & Unsafe Condition are monitored strictly at regular basis in Loco Shop.

**c) Various duties performed by Safety Organisation/Loco in FY 2024-25.**

SN	Particulars	Status
1	Eye test (for certain category of staff of locoshop)	459 Heads (including the staff whose age are above 45 & once in every 6 months)
2	Medical test	5129 Heads
3	P.F.T. Test for the staff who are working at welding Varnish or Insulation Work, Painting Work.	624 staff
4	Fire Hydrants and static Tanks checking with Fire department and Civil Engg. Department	Monthly
5	Chains and Cranes, Pressure vessels, testing checking	Done by M/s Safecom India – Hooghly, 712204
6	Work Zone Monitoring.	Done on 26.02.2025
7	Safety Audit	Done from 26.09.2024 to 28.09.2024

**d) Safety Awareness week was celebrated in CLW from 4<sup>th</sup> to 10<sup>th</sup> of March 2025.**

#### Annexure – 4.1

Statement of accidents and man-days lost during 2020-21 to 2023-24 showing monthly injury rate and man-days lost per 1000 men in loco works and steel foundry.

## LOCO WORKS

Year	Monthly Avg. No. of Staff	Total No. of Accidents	Monthly No. of accidents	Total Man-days Lost	Monthly Avg. Man-days Lost	Monthly Avg. Rate of accident per 1000 men	Monthly Avg. Man-days lost per 1000 men
2020-21	4878	04	0.33	178	14.83	0.0676	3.04
2021-22	5440	06	0.5	354	29.5	0.092	5.423
2022-23	5288	07	0.58	424	35.33	0.11	6.68
2023-24	5163	05(04+01)CS	0.41	223	18.58	0.079	3.599
2024-25	4880	04	0.33	240	20	0.068	4.09

Cs=Fatal of Contractual staff of Engg. Dept.

## STEEL FOUNDRY

Period	Monthly avg. No of staff	Total No of accident	Monthly No of accident	Total man days lost	Monthly avg. man-days lost	Monthly avg. rate of accidents per 1000 men	Monthly avg. man days lost per 1000 men
2020-21	501	01	0.083	31	2.583	0.166	5.156
2021-22	368	01	0.083	76	6.33	0.225	17.2
2022-23	309	NIL	NIL	NIL	NIL	NIL	NIL
2023-24	301	01 (Fatal)	0.08	6000	500	0.0266	1661.13
2024-25	214	0	0	0	0	0	

## Statement of accident at CLW main Loco works, Steel Foundry, Engg. Dept., CPH and all other establishment from 2020-21 to 2024-25

YEAR	Total No of Staff	Total No. of Accidents	Monthly avg. no. of accidents	Fatal	Serious	Minor	Monthly avg. Rate of accident per 1000 men
2020-21	6242	06	0.5	NIL	06	NIL	0.08
2021-22	6570	11	0.917	NIL	06	05	0.14
2022-23	6268	07	0.58	NIL	0	00	0.092
2023-24	6082	08	0.67	02	03	03	0.110
2024-25	5657	04	0.33	0	04	0	0.06

## **CHAPTER – V**

### **CIVIL ENGINEERING**

5.0 Chittaranjan is an exclusive township for CLW employees and the biggest Railway Colony. It is a protected area. The salient features are as follows:

Area of CLW Township	1819.50 Hectare
Total Length of Boundary wall of CLW Township	18.3 Km.
Length of Road	204.70 Km.
Length of Water Pipe Line	370.91 Km.
Length of Sewer Pipe Liner	274.381 Km.
Area of Rly. Track / Length of Rly. Track	3.392 Hectare / 39.354 TKm
Welfare Building including Road	17.45 Hectare
Area of School, College Buildings etc.	107.94 Hectare (13 Nos.)
Area of Hospital, Health Units etc.	08.83 Hectare (06 Nos.)
Area of Environment Park, Children Park etc.	113.58 Hectare (17 Nos.)
Area of Market	20.48 Hectare (08 Nos.)
Community Halls including Play Ground	56.628 Hectare (08 Nos.)
RPF/RPSF Barrack including Parade ground	34.238 Hectare (04 Nos.)
Staff Qrs. Including Road fenced areas	848.33 Hectare (8,948 Nos.)
Workshop Area	101.26 Hectare (71 Nos. Shed)
Water Channel Area	45.18 Hectare
Area of Afforestation	335.794 Hectare
Area of Lakes	86.80 Hectare (07 Nos.)
Area of Stadium	68.05 Hectare (04 Nos.)
Area of Sewerage Treatment Plant & Water Filter Plant	34.0 Hectare (01 No STP & 01 No WFP).

#### 5.1 Position of Rly. Land under CLW township:

Sl. No.	Description	Approx. Area
1.	Total Area of Land	1818.5 Hectare
2.	Vacant Land	285.237 Hectare
3.	Land under Utilization	1534.263 Hectare

#### 5.2 Quarters Facilities at Chittaranjan Township:

“A” Type/Type-I(S/S & D/S)	3,938 nos.
“B” Type/Type-II(S/S & D/S)	3,769 nos.
“C” Type/Type-III	978 nos.
“D” Type/Type-IV	250 nos.
Bungalow/Type-V	48 nos.
Barrack	01 No.
<b>Total:-</b>	<b>8,984 nos.</b>

#### 5.3 Water Requirement:

In colonies, quarters & service buildings are connected with water supply system.

Filtered Water/ Fresh water	149 lakh litres per day
Un-filtered water	54 lakh litres per day for garden purpose

#### 5.4 Water Facilities Available:

No. of RCC Over Head Tank	30 nos.
Total capacity	30.32 Lakh Gallons
No. of PVC O.H. tank	1408 nos.
No. of Wells	202 nos.
No. of Tube Wells	379 nos.
No. of Aeration tank	01 no.
<b>No. of Lakes :-</b> 1. Hospital Colony Lake near K.G. Hospital 2. S.P. East Lake near Petrol Pump 3. Office Road near Administrative Building 4. S.P. North Lake near Street No. 1/D 5. Main Lake near Karnail Singh Park 6. Fatehpur lake near Simjuri link Road 7. Back of Horticulture	07 Nos.

#### 5.5 Water Supply System:

1. Maithon Reservoir impounding water from the river Barakar (Jharkhand) is the main source of raw water. The 25'-0" dia Intake Well at Sidhabari with 04 nos. Pumps (No. 1 & 4 = 1.6 lakh gallons per hour cap. & No. 2 = 1.0 lakh gallons per hour and No.3 = 2.5 lakh gallons per hour capacity) and 24" dia. C.I. Pipes 7.8 Km. long from the system through which the raw water is being fed to Filtration Plant. average withdrawal of raw water for distribution of water supply in township & workshop is about 622336.0006 Kilo Litre per month.
2. Lake within CLW Township (49.92 crores gallons cap.) caters emergency requirement through pumping installation located at Main Dam, Office Road Dam. Lake water is used to cater the emergency requirement especially during the summer season for drinking. Water from lake is used throughout the year for workshop and av. consumption is about 1136 Kl. per day.
3. Filtration plant consists of 06 nos. Rapid Sand Filter Beds of cap. 50,000 gallons per hour each, 02 nos. of clarifocculators. settling tank & arrangement for pre & post chlorination (chlorine Gas is used for sterilization) 13 nos. pumps are used to pump filtered water to RCC Over Head Tanks at various locations in the township.

#### 5.6 Sewerage System:

There are two sewerage treatments Plant every Qrs. & Service Buildings are connected with sewerage line system. They are as follows:-

- Activated Sludge Plant: - Dry weather flow 1.2 mgd. & max. capacity 4 mgd.
- Bio-Filter Plant: - Dry weather flow 1.0 mgd. & max. capacity 3 mgd.

**5.7 Market Facilities:**

i. Fatehpur Market (Area-1), ii. S.P.North Market(Area-2), iii. S.P.East Market (Area-3), iv. Amladahi Market (Area-6), v. R-7 Market (Area-5), vi. BOW Market (Area-4), vii. Simjuri Market (Area-7). viii. H & H Market	<b>08 Nos.</b>
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**5.8 Medical Facilities:**

Hospital (Kasturba Gandhi Hospital)	01 no.
No. of Health Units:- i. Fatehpur(Area-1), ii. S.P.North(Area-2), iii. Simjuri(Area-7), iv. Amladahi (Area-4), v. S.P.East (Area-3).	05 nos.
No. of Beds in Hospital	197 s.

**5.9 Entertainment & Recreation Facilities:**

Clubs for Officers'	01 no.
Rest House (CRJ Bhawan for Officers', Kangoi Bhawan for Officers', Mihijam Bhawan for subordinate staffs, Karnail Singh Bhawan & PC Mukherjee Bhawan for PHOD & HOD Officers')	05 nos.
Institutes (Basanti, Srilata, Sarat Chandra, Aurobindo)	04 nos.
Cinema Hall(Ranjan)	01 nos.
Community Hall:-(1) Area- 1(Fatehpur), (2) Area-2 (S.P.North), (3) Area-3 (S.P.East ,Hill ,Hospital ,R-site), (4) Area-4(Amladahi), (5) Area-5(Amladahi), (6) Area-6 (Amladahi) , (7) Area-7 (Simjuri), (8) Area-8 (New Hospital).	08 nos.
Auditorium (Rabindra Mancha near BOW Market)	01 no.
Marriage Hall (Amladahi near Area-5 Community Hall).	01 no.

**5.10 Sports Facilities:**

Indoor Stadium	01 no.
Badminton Hall	01 no.
Gymnasium Hall	01 no.
Football Stadium	03 nos.
Swimming Pool(Basanti, Srilata & S.P.West near Officer's Club)	03 nos.
Golf Course cum Environment Park	01 no.
Rifle Shooting Range	01 no.
Archery Ground	01 no.
Hockey Ground	01 no.



### 5.11 Parks:

<u>Area wise Parks:-</u> 1. S.P.West Park near OVAL Ground 2. Environment Park near Sun Set Av. 3. S.P.North Park near S.P.North Market 4. Simjuri Park between St. No. 85 & 86 5. Fatehpur Park near Community hall 6. Area Park near Area-5 Community hall 7. Area Park nerarArea-3 Community hall 8. Area Park near CR. 14, Between St. 31 & 32 Area-6 9. Area Park back of K.G.Hospital 10. S.P.East Market (near Ranjan Cinema Hal)	10 nos.
<u>Other Parks:-</u> 1. Loco Park 2. Children Park 3. Boat Club 4. Karnail Singh Park 5. Diamond Jubilee Park 6. Ambedkar Park 7. Vivekananda Park 8. Sonar Gram Udyan	08 nos.

### 5.12 Gardens:

<u>Details of Gardens at Rest Houses:-</u> 1. CRJ Bhawan 2. Kangoi Bhawan, 3. Mihijam House.	03 nos.
<u>Details of Gardens at Office Complex:-</u> 1. Steel Foundry 2. Time Office Gate (02 Nos), 3. D & D Office, 4. CPH, 5. Works Office, 6. GM Office (05 Nos), 7. EDP office, 8. CE Office, 9. RPF Town Post, 10. CCS Office, 11. KGH (05 Nos), 12. TTC 13. Ganapati Hut 14. Garden Near Petrol Pump (02 nos.)	24 nos.
<u>Details of Gardens at Schools:-</u> 1. CHS (EM) School, 2. D.V. Girls School 3. Sishu Vihar School	03 nos.

### 5.13 Permanent Way:

<b>GAUGE</b>	<b>AS ON 31.03.2025</b>
BG	39.354 Km..

### 5.14 Sleepers:

<b>Gauge</b>	<b>Concrete</b>
BG	41333

### 5.15 Turnouts:

Gauge	1 in 12	1 in 8 ½	Total
BG	01	67	<b>68 sets (67 sets F/S turnout and 01 set Non F/S Tournout</b>

### 5.16 Speed Restriction:

Gauge	<b>As on 31.03.2025</b>
BG	30 Kmph / 15 Kmph

### 5.17 Statement of water way of bridge per track (linear water way of bridge per track):

Class of Bridge	Length of BG
Important Bridge	Nil
Major Girder Bridge No. 7 (01 no.)	13.30 mtr.
Minor Girder Bridge No. 4 (4.50 mtr.) & Minor Girder Bridge No. 5 (7.10 mtr.)	11.60 mtr.

### 5.18 Level Crossing:

Type	Qty.
C Class (manned)	Nil
C Class (unmanned)	05 nos.
<b>Total:-</b>	<b>05 nos.</b>

## 5.20 Details of workshop including office complex:

1.	Steel Foundry Complex	69,664 Sq. M.
2.	S.F. Office Complex	1,363 Sq. M.
3.	Traction Motor Shop	43,994 Sq. M.
3.	Main Assembly Shop	87,062 Sq. M.
4.	Plant Park, CPH, GSD etc.	2,15,700 Sq. M.
5.	Paint Shop	3,672 Sq. M.
6.	Works Office	3,370 Sq. M.
7.	CSD & MSD Store Godown	39,184 Sq. M.
8.	Pattern Shop	3,345 Sq. M.
9.	Design & Development Office Complex	3,687 Sq. M.
10.	ADMN. Office Complex.	10,242 Sq. M.
11.	Computer Bldg. Complex	1,197 Sq. M.
12.	AC Plant.	228 Sq. M.
13.	Telephone Exchange Complex.	473 Sq. M.
14.	DA Gas Godown	465 Sq. M.
15.	Parallel to Shop No. 26	5,000 Sq. M.
16.	New Paint Shop	732 Sq. M.
17.	New Test Shed	1,041 Sq. M.
18.	Extn. of Bay 9 A	781 Sq. M.
19.	New Shop Godown (02 nos.)	2,725 Sq. M.
20.	Godown near Diesel Pump S-4	900 Sq. M.
21.	Godown S-1	750 Sq. M.
22.	D.A. Gas godown near AMU	465 Sq. M.
23.	Logistic Hub	2000 Sq. M.
24.	<b>SECURITY FACILITIES :-</b> (i) SC/RPF COMPLEX (ii) RPSF COMPLEX (iii) OC/WBP	(i) Near GM's Office complex (ii) At Technical Trg. Center (iii) At Fatehpur Colony
25.	<b>FIELD UNITS FOR ELECTRICAL DEPTT.-</b>  1. S.P. NORTH ELEC. OFFICE 2. AMLADAHI ELEC. OFFICE 3. SIMJURI ELEC. OFFICE 4. S.P. WEST ELEC. OFFICE 5. HILL & HOSPITAL COLONY ELEC. OFFICE	
25	<b>FIELD UNITS FOR ENGG. DEPTT.-</b> (I) SSE(W)/Col.-I (II) SSE(W)/Col.-II (III) SSE(W)/Col.-III (IV) SSE(W)/WS (V) SSE(W)/WD (VI) SSE(W)/STP (VII) SSE(W)/DKAE (VIII) In-charge/Horticulture (IX) JE/P.Way	

### 5.21 Financial Institutions:

1.	STATE BANK OF INDIA	Near Children Park
2.	STATE BANK OF INDIA	Near Works Office
3.	BANK OF INDIA	Near Gate No. 3
4.	ATM Counter of SBI	GM's Office, Time Office, S.P. North Market, SBI Main Branch, Works Office Branch & Amladahi Market.
5.	ATM Counter of BOI	Bank Of India Main branch.
6.	CLW CO-Operative Credit Society	Near GM's Office complex.
7.	Post Office	04 nos.

### 5.22 Union Offices:

1.	SC & ST Association	Near GM's Office complex Garage.
2.	OBC Staff Association	Near GM's Office complex (East Block)
3.	CLW-OBC Railway Employees Association	Old Desh Bandhu Buniyadi Vidyalaya, West Amladahi
4.	Promotee Officers' Association	Ganapati Av. No. 25

### 5.23 Welfare Organization:

1.	Civil Defence Organization.	Near Amladahi Health Center.
2.	Bharat Scouts & Guides.	Near S.P.North Community Hall.

### 5.24 Position of Rly. land under Dankuni:

Sl. No.	Description	Approx. Area
1.	Total area of Land of ELAAU Dankuni including DLCF unit	61.43 Acres

### 5.25 Quarters Facilities at Dankuni:

Type II (G+3)	40 nos.
Type II	05 Nos.
Type III	03 Nos.
Officers' Transport Accommodation	02 Nos.

### 5.26 Details of Workshop Including Office Complex at Dankuni :

ELAAU, CLW UNIT	
(i) ADMN Building	1216.104 Sqm
(ii) Main Workshop Shed-1	21000 Sqm
(iii) Main Workshop Shed-2	10000 Sqm
(iv) Workshop Office	8400 Sqm
(v) Pump House	12.96 Sqm
(vi) Parking Shed	844.80 Sqm
(vii) Store Depot.	651 Sqm
(viii) Electric Sub Station	644.60 Sqm
(ix) RPF Post	195.52 Sqm

<b>DLCF UNIT</b>		
I.	Office Building	2107 Sqm
II.	Bogie Shop	4984.80 Sqm
III.	Store Depot & Office	2257.48 Sqm
IV.	RPF Post & Barrack	529.82 Sqm
V.	Electric Substation 3	249.60 Sqm
VI.	Compressor Room	589.68 Sqm
VII.	Under frame Shop	5616 Sqm
VIII.	Feeder Shop	7488 Sqm
IX.	Tool Room	936 Sqm
X.	M/W Section	936 Sqm
XI.	Shop Office	562.80 Sqm

## **CHAPTER- VI**

### **MATERIAL MANAGEMENT**

#### **6.1 General**

Material Management Organisation at CLW provides total materials support for all types of Loco manufacture, in-house manufacture of Traction Motors and materials for Steel Foundry. This support covers estimation of demand, procurement, warehousing, supply and distribution. In addition, Material Management department is also entrusted with the task of disposal of scrap arising out of various manufacturing activities.

#### **6.2. Organisation**

Organization of Stores Department of Chittaranjan Locomotive Works consists of the following units,

- A. Purchase office at Chittaranjan.
- B. Purchase office at Howrah
- C. Stores Depot at Chittaranjan
- D. Stores Depot at Dankuni

##### **6.2.1 Purchase Office at Chittaranjan:**

This office is under the administrative control of Principal Chief Materials Manager who is assisted by 03(three) Chief Materials Managers, 03 (three) Dy. Chief Materials Managers, 01(one) Senior Materials Manager and 03(three) Assistant Materials Managers to handle purchase work and all other Materials managerial works.

##### **6.2.2 Purchase office at Howrah:**

This office also functions under the Administrative control of Principal Chief Materials Manager, who is assisted by 02 (two) Chief Materials Managers, 02 (two) Deputy Chief Materials Managers and 03(three) Assistant Materials Managers in the matter of procurement required to stores, except those entrusted to purchase office at Chittaranjan.

##### **6.2.3 Stores depots at Chittaranjan and Dankuni:**

There are total 08(eight) Stores Depots in CLW (7 at Chittaranjan & 1 at Dankuni), engaged in receipt, storage and issue of stock items and disposal of scrap, as follows. These Depots are headed by Dy. CMM/ D/CRJ & Dy. CMM/ D/DKAE assisted by 06(six) Assistant Materials Managers.

###### **6.2.3.1 Central Stores Depot (Depot Code-01):**

This depot deals with stocking of general items, chemical, paints, stationary and items required for electrical and civil engineering maintenance. This depot stocks about 469 items. Annual issue value about Rs.7.77 Crores.

###### **6.2.3.2 General Stores Depot (Depot Code-02):**

This depot deals with uniforms, public health items etc having Annual issue value about Rs. 19.86 Crores. This depot stocks about 70 items. Disposal of Scrap is also done by GSD having annual sale of scrap is about Rs. 28.11 Crores.

#### **6.2.3.3 Metal Stores Depot (Depot Code-03):**

This depot deals with stocking of steel items, electrodes, gases, POL and other raw materials required for manufacture of Locomotive. This depot stocks about 207 items. Annual issue value is about Rs.43.63 Crores.

#### **6.2.3.4 Three- Phase Loco Depot (Depot Code-04):**

This depot deals with stocking of all items required for manufacture of all types of 3-Phase electric locomotives. Depot stocks about 868 items. Annual issue value is about Rs. 4284.32 Crores.

#### **6.2.3.5 Electric Loco Depot (Depot Code-05):**

This depot deals with stocking of all conventional loco items. Annual issue value is Nil as production of conventional Loco discontinued.

#### **6.2.3.6 Steel Foundry Stores Depot (Depot Code-06):**

This depot deals with stocking of all items required for production at Steel Foundry. This depot stocks about 192 items. Annual issue value is about Rs. 14.01 Crores.

#### **6.2.3.7 Traction Motor Depot (Depot Code-07):**

This depot deals with stocking of all items required for manufacture of 3-Phase Traction Motors Type 6FRA-6068 and 6FXA-7059. This depot stocks about 266 items. Annual issue value is about Rs. 878.57 Crores.

#### **6.2.3.8 Dankuni Depot (Depot Code-08):**

The Stores depot at Dankuni is under control of Dy. CMM/D/DKAE assisted by 01(one) Assistant Materials Manager. This depot deals with about 383 items. Annual issue value is about Rs. 1137.94 Crores.

#### **6.2.3.9 Central Receipt Branch (RB):**

This branch is responsible for receipt, inspection, accountal and handling of incoming materials. More than 11264 (CRJ + DKAE) consignments, valuing approx. Rs. 6423.99 Crores are dealt by this branch.

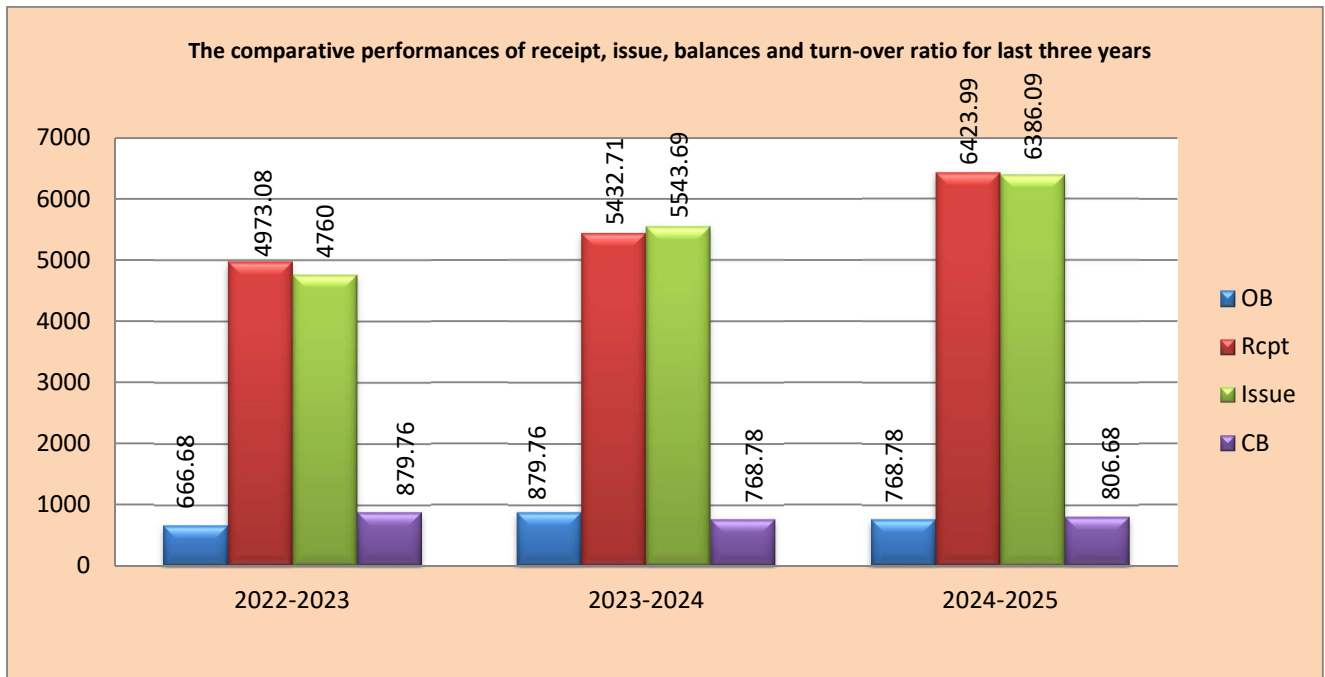
### 6.3 Inventory Performance:

#### 6.3.1 Balances and turn-over ratio:

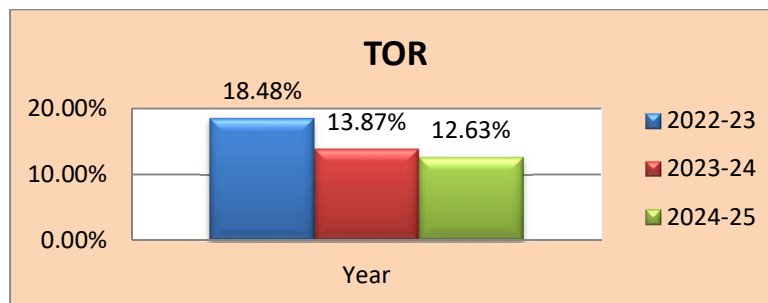
The comparative performances of receipt, issue, balances and turn-over ratio for last three years are given below:-

( Fig. in crores of Rs. )

Year	Opening Balance	Receipt	Issue	Closing Balance	Turn-Over Ratio - % age .
2022-2023	666.68	4973.08	4760.00	879.76	18.48%
2023-2024	879.76	5432.71	5543.69	768.78	13.87%
2024-2025	768.78	6423.99	6386.09	806.68	12.63%



- Targeted Turn-Over Ratio for FY 2024-2025 was 13.32 %.
- Turn Over Ratio achieved during the FY 2024-2025 is 12.63 %.





**6.3.2 The comparative figures of Locos manufactured and total issue value of stores for the last 3 Years are as under:**

( Fig. in crores of Rs. )

Year	No. of locos manufactured	No of Traction motors manufactured	Total issue value of TM stores	All depot issue value
2022-23	436	2201	1141.92	4760.00
2023-24	580	1980	1013.47	5543.69
2024-25	700	1732	878.57	6386.09

**6.3.3 Group wise break up of opening balances and closing balances (exclusive of adjustment) for the last 2 years are as below:**

( Fig. in thousand of Rs. )

GROUP	2023-2024		2024-2025	
	Opening Balance	Closing Balance	Opening Balance	Opening Balance
10-19	0	59,62	59,62	52
20-29	822,54,90	702,23,33	702,23,33	747,22,41
30-39	0	0	0	0
40-49	85,58	69,34	69,34	64,37
50-59	0	0	0	0
60-69	28,82	42,49	42,49	23,47
70-79	6,85,57	9,20,80	9,20,80	8,30,17
80-89	7,36,43	6,85,88	6,85,88	4,49,38
90-98	41,84,44	48,76,84	48,76,84	45,77,46
TOTAL	879,75,74	768,78,30	768,78,30	806,67,79

**6.3.4 Variety Reduction:**

CLW maintain 2455 nos. of Stock items to cover the requirement of various manufacturing and maintenance activities. Review of the Stock items is made regularly. The number of items stocked at the end of last three years is as below:-

YEAR	NO. OF ITEMS
2022-2023	2687*
2023-2024	2549*
2024-2025	2455*

\*Including scrap items.

**6.3.5 Standardization:**

CLW is nominated for allotment of unified PL number for main group 25 & 29. Overall progress of PL unification after implementation of new portal in iMMS is as under-

(a) Request received from Zonal Rlys.	1073 Nos.
(b) Request complied	986 Nos.
(C) Request returned as already allotted earlier	87 Nos.
(d) Request returned being unconcerned	NIL
(e) Request pending for allotment	NIL

### 6.3.6 In-active and surplus stocks:

The details of inactive and surplus items during last 3 years are as under:-

(Value in Crores of Rs.)

Year	Inactive		Surplus		Total	
	Nos.	Value	Nos.	Value	Nos.	Value
2022-2023	270	48.28	10	0.1681	280	48.4481
2023-2024	230	51.57	10	0.0166	240	51.5866
2024-2025	222	45.22	69	0.0187	291	45.2387

### 6.4 Purchase:

Agency wise purchase statistics:

Agency wise purchases made during last 3 years are as below:-

(Fig. in Crores of Rs. )

Year	Through DGS&D	Through others including Rly. Bd.	Direct by PCMM	Total
2022-2023	0.000	52.29	4156.69	4208.98
2023-2024	0.000	1465.72	3883.69	5349.41
2024-2025	0.000	1168.83	4725.23	5894.06

### 6.4.1 Indigenization & Import Substitution:

The value of stores imported and purchased indigenously for the last 3 years are given below:-

( Fig. in Crores of Rs. )

Year	Value of Stores Imported	Value of Stores Indigenous	Total Value	% age of Import
2022-2023	14.80	4267.46	4282.26	0.35%
2023-2024	40.16	5309.25	5349.41	0.75%
2024-2025	36.65	5857.41	5894.06	0.62%

### 6.4.2 Issue of Stores:

Timely supply of all components, raw materials and spares has been maintained during the year, which ensured production of 700 locos in 2024-25. CLW had produced 580 locomotives in 2023-24.

### 6.5.1 Out of Stock:

Percentage of items out of stock at the end of last 3 years is given below:-

Year	Nos. of items stocked	Nos. of items out of stock	Out of stock percentage
2022-2023	2595*	368	14.18 %
2023-2024	2459*	399	16.23 %
2024-2025	2298*	222	9.66 %

\*Excluding Scrap Item.

## 6.5.2 Stock verification of stores:

Details of stock verification of stores for last 3 years are given below:-

Year	% of items verified with no discrepancies	% of items with discrepancies up to limit of Rs. 50/-	% of items with discrepancies up to limit Rs. 1000/-	% of items with discrepancies above the limit of Rs. 1000/-
2022-2023	99.54	0.00	0.10	0.36
2023-2024	99.37	0.00	0.13	0.50
2024-2025	99.88	0.00	0.00	0.12

## 6.6 Theft and loss cases:

There is no reported case of theft or loss due to theft in the last 3 years.

## 6.7 Unit Costs:

### 6.7.1 Unit cost of purchase:

Total expenditure of all staff on purchase and the total value of purchase made during the last 3 years are given below:-

Year	Total Expenditure of stores staff at CRJ & DKAE ( in Rs. Crores )	Total value of stores purchased ( in Rs. Crores )	Cost of purchase per every Rs. 100/- worth of stores (in Rs.)
2022-2023	13.79	4415.10*	0.31
2023-2024	14.77	5367.83*	0.28
2024-2025	14.41	5986.11*	0.24

\*Including Non Stock Purchases.

### 6.7.2 Unit cost of issue:

Year	Value of Stores Issued during the Year (in Rs. Crores)	Pay& allowances of depot staff (in Rs. Crores)	Cost of issues of stores worth of Rs. 100/- (in Rs.)
2022-2023	4760.00	26.94	0.57
2023-2024	5543.69	24.87	0.45
2024-2025	6386.09	26.48	0.41

### 6.7.3 Unit cost of receipt:

Year	Value of stores received (in Rs. Crore)	Pay and allowances of Receipt Depot Staff (in Rs. Crore)	Cost of receipt of stores worth of Rs. 100/- (in Rs.)
2022-2023	4973.08	2.81	0.06
2023-2024	5432.71	2.54	0.05
2024-2025	6423.99	1.16	0.02

## 6.8 Disposal of scrap:

Being a production unit, CLW generates limited scrap as a bye product of manufacturing activities. This mostly consists of packing materials, off-cuts of ferrous and non-ferrous bars, plates and sheets and pit side scrap from Steel Foundry. Most of steel scrap generated is used as raw material for the Steel Foundry, leaving only a small quantity for sale. Total arising of scrap for sale purposes during last three years are as bellow:-

(Value in Rs. Lakhs)

Year	Scrap Ferrous & Cond. M/C		Scrap Non-ferrous		Total Value (Realized)	Target
	Tonnage	Value	Tonnage	Value		
2022-2023	4655.200	1909.110	141.160	630.017	2670.187	2500.00
2023-2024	2964.285	982.774	93.943	362.028	1401.747	2500.00
2024-2025	9909.255	2294.453	114.929	517.137	2811.59	1400.00

### 6.8.1 Details of Melting scrap received from shop and used in S.F during the last 3 years are as under:

( Value in Crores of Rs.)

Year	Tonnage	Value
2022-2023	1627.000	6.97
2023-2024	1401.983	6.02
2024-2025	1604.065	6.24

## 6.9 Shipping:

Total clearances of imported consignments during the last 3 years are given below:-

YEAR	No. of consignment received & cleared		Total	Value ( in Crores of Rupees )
	By Sea	By Air		
2022-2023	05	11	16	37.32
2023-2024	01	13	14	25.24
2024-2025	04	07	11	36.27

## 6.10 Assistance to Zonal Railways:

In addition to full material support for Loco manufacturing and other maintenance activities, CLW Stores has assisted Zonal Railways with urgent spares for Electric Loco maintenance. Supply of spares to Zonal Railways during last 3 years is as bellow:-

YEAR	Value of stores supplied ( in Crores of Rupees )
2022-2023	589.97
2023-2024	459.00
2024-2025	360.16

## 6.11 Computerization:

### 6.11.1 Computerization of purchase office at Dankuni & Chittaranjan:

At both Chittaranjan & Howrah purchase office iMMS has been implemented. All purchase activities such as purchase proposal preparation, Tender schedule preparation, Publication of Tenders, vetting of Purchase orders and release of Purchase orders are being done through iMMS. Other activities such as PL unification, PL allotment, Scrap data entry, PACE data entry and various types of reports are also being generated through iMMS/IREPS. TC/DA cases are being finalized through IREPS.

### 6.11.2 Integrated Material Management System:

In CLW/Chittaranjan iMMS Depot module has been implemented on 27.11.2017. All depot activities such as MPS generation, online requisition by shop, R/Note preparation, posting of all types of issue vouchers etc. are being done through iMMS . Small value items are purchased through iMMS at depot level. Depot related queries are also being generated through iMMS.

## 6.12 Progress of works programme for stores department under umbrella works:

SL NO.	Name of the Work	Progress Report in 2024-2025	Remarks
1	Construction of bins with concrete flooring at GSD/CLW/Chittaranjan.	Work is going on.	Progress Report is prepared with co-ordination of CEE/P & I/CLW's Office.
2	Construction of Open Air Shed of 10 Mtrs. clear Height with concrete flooring between the vacant area of "H" Ward and Pattern Shop (1500 Sqm.).	After few modification, work has been completed	

### 6.13.0 Action Plan for Material Availability and Progress for Off-Loaded items:

Production of 700 Locos target was achieved in 2024-25 with limited man power and work-space. The vendor base has also been expanded readying CLW to produce over 700 Locos every year. Paperless working using IT tools (IREPS, E-Tender & e-Office) already started. All tenders are finalized and P.O. placed online with adoption of iMMS. CLW become first PU to be on iMMS platform. This has resulted into much improved inventory management with high service level.

### 6.14.0 Transparency in purchase:

As drive to bring in the transparency in purchase all tenders are uploaded in down loadable form on IREPS website [www.ireps.gov.in](http://www.ireps.gov.in). Offers submitted and rankings can be viewed by tenderers after due opening date.

**CHAPTER – VII**  
**PERSONNEL MANAGEMENT**

**7.0 Staff Strength:**

Category	Sanctioned strength as on 31.3.2025	On roll
GROUP 'A'	150	84
GROUP 'B'	70	87
<b>TOTAL</b>	<b>220</b>	<b>171</b>
GROUP 'C'	9897	6739
GROUP 'D'	1871	1228
<b>TOTAL</b>	<b>11768</b>	<b>7967</b>
<b>GRAND TOTAL</b>	<b>11988</b>	<b>8138</b>

\* As per Railway Board's order, JS posts are being filled up through Group B selection.

**7.1. Industrial Relations:**

There are four recognized Associations are functioning in CLW. In the year 2024, election for recognition of Trade Union is conducted on pan India basis. Two of the unions are given recognition for next three years. The PNM committee formation is under way. The meeting with recognised associations are conducted quarterly for the better industrial relation. Meeting of PNM will commence from next financial year as per laid down procedure. There are grievance redressal mechanism is also in operation and periodical review is being done every month. The amenities committee are also being formed and area committee is also in operation.

**7.2. Education:**

An amount of Rs. 1697250/-, during the financial year 2022-23, has been sanctioned as scholarship for students pursuing their professional studies in the streams of Medical/Engineering/MCA etc. There are three Railway Higher Secondary Schools are in operation. The renovation schools is undertaken. Each school is provided with Smart Class rooms & Computer Lab. The infrastructure development is taken up on priority basis. The students are being provided identity cards, diary. New uniform is introduced in each school. The laboratories are being renovated extensively. Proper illumination is ensured and sufficient arrangement of fans provide. Toilets are renovated and automatic bell system and PA systems are introduced. Water purifiers are provided in each school for drinking water.

**7.3. Area Committee:**

The territorial jurisdictions of residential area of Chittaranjan Railway Townships have been divided in eight areas and the inhabitants of these eight areas had elected a vice-warden as well as one street member from each street to constitute the Area Committee. The warden and Assistant wardens are nominated from Administrative side. The area committee looks after the inhabitants of their respective area, promote sports, social, cultural activities and other welfare measures which are also organized by them from time to time. The election of Area Committee conducted on 14<sup>th</sup> May, 2023. New Area Committee is formed but operation is restricted due to administrative reasons.

#### **7.4. Institute:**

Four major Railway Institutes viz. Basanti Institute, Srilata Institute, Arobindo Institute and Sarat Chandra Institutes are functioning in 04 different areas of CLW promoting various sports, cultural and social activities and overall upliftment of the area. One general library is functioning in each institute, where facilitation of the poor students is also under taken by providing reference books from library. The funds from the SBF is released to these Institute so that the railway employee and their wards are get benefited. Two swimming pools and two gymnasiums are under control of the Institutes.

#### **7.5. Grant for sickness:**

Railway employee and their family members suffering from serious sickness have been sanctioned one time grant in order to mitigate their suffering. Patients referred to outstation for treatment have also been granted assistance from SBF to offer them some relief to compensate their outstation expenditure. An amount of Rs. 400000/- has been incurred on this account.

#### **7.6. Grant for Funeral Expense:**

The funeral assistance to the deceased Railway employees has been granted @ amount of Rs. 10000/- per case in case of death of Railway employee is granted to the family members of deceased employee as Funeral expenses in the form of token assistance. An amount of Rs. 490000/- has been incurred during the financial year 2024-25 on this account.

#### **7.7. Engagement of Homeopathy Doctors:**

Two Homeopath Doctors have been engaged under Staff benefit fund Management Committee to provide the indigenous system of medicine to the Railway employees and their dependent family members in Chittaranjan. An amount of Rs. 775122/- has been released from the SBF in the financial year 2024-25 towards honorarium and cost of medicine etc.

#### **7.8. Running of Dental Prosthetic Laboratory at K.G. Hospital:**

One Dental Prosthetic Laboratory is in operation at K.G. Hospital / Chittaranjan and artificial dentures are provided free of cost to the Railway employees and their dependent family members. An amount of Rs. 112903/- has been released from the SBF in the financial year 2024-25 towards honorarium of Dental mechanic and cost of denture.

#### **7.9. Women Empowerment:**

Self-defense training program for women employee was organized. An amount of Rs. 331291/- was incurred for the purpose. Felicitation of woman employees is conducted in the occasion of International Woman's Day. 18 numbers of women employees are felicitated.

#### **7.10 Provisional expenditure incurred from the SBF for the year 2023-24 on various head is appended below:**

<b>Sl.No.</b>	<b>Payment</b>	<b>Amount(Rs.)</b>
<b>1.</b>	<b>Education</b>	
a)	Technical Scholarship of 2022-23	657000
b)	Bidhan Lokmanya Scholarship of 2022-23	218250
c)	One time Grant-Technical Scholarship of 2022-23	171000

d)	One time Grant Bidhan Lokmanya Scholarship 2022-23	175500
e)	Non-Technical Scholarship + One time grant of 2022-23	135000
f)	Scholarship to children of staff in Level-4 and below of 2022-23	208500
g)	Girls students of CLW staff securing 90% and above in secondary examination 2021-22 & 2022-23	102000
h)	Boys students of CLW staff securing 90% and above in secondary examination 2021-22 & 2022-23	30000
<b>2.</b>	<b>Recreation and amusement</b>	
a)	Railway Holiday Camp	0
b)	Self Defence training honorarium	0
<b>3.</b>	<b>Relief &amp; Distress</b>	
a)	Assistance in self-sickness on account of LWP including one time grant	400000
b)	Dental Prosthetic lab (honorarium + material cost).	112903
c)	Honorarium to Homeopath physician and cost of medicine	775122
d)	Funeral expenses to deceased employees	490000
e)	Radiography honorarium	0
f)	Assistance towards spectacles	402550
g)	Assistance for artificial limb	0
<b>4.</b>	<b>Miscellaneous</b>	
a)	Scouting activities	0
b)	Celebration of Women's day for women empowerment	331291
c)	SBF Special Case (Election duty Death)	0
d)	Expenditure towards SBF meeting	29600
e)	Procurement of Water Cooler	2735500
f)	Purchasing of National Flag	30490
g)	Procurement of Canteen items	44422
	<b>Total</b>	<b>7049128</b>

## 7.11 Schools & Colleges:

### 7.11.1 CLW schools:

- Education facility provided in the Chittaranjan Township spread over 8 areas is as follows:
- No. of Junior Basic Schools (Primary):

Hindi Medium	CBSE	2
English Medium	WB Board	1
<b>Total</b>		<b>03</b>

- No. of Secondary Schools/Higher Secondary Schools (class VI to X) and (class VI to XII):

Hindi medium for Boys (HS)	CBSE Board	1
Hindi Medium for Girls (HS)	CBSE Board	1
English medium for Boys & Girls (HS)	West Bengal Board	1
<b>Total</b>		<b>3</b>



- 2825 nos of students have studied during the financial year 2024-25.

### **7.11.2 Other Schools:**

In addition to the above, there are two Bengali medium Primary Schools, 4 Bengali Medium & 1 Hindi medium secondary schools (run by the West Bengal Government) is presently in operation. These schools are functioning satisfactorily. Two private schools, viz. St. Joseph's Convent School (Primary, Secondary & Higher Secondary) affiliated to ICSE Board and Burnpur River Side School up to Higher Secondary level following CBSE curriculum are also functioning in the township.

### **7.11.3 Kendriya Vidyalaya:**

One Kendriya Vidyalaya with classes from class I to Class XII (Science & Humanities) is also functioning in CLW catering educational need of the school children.

### **7.11.4 College:**

Deshbandhu Mahavidyalaya under the Burdwan University, subsidized by the State Govt. of West Bengal is also running in Chittaranjan.

### **7.11.5 Canteen:**

One Statutory canteen having its branches attached to Works Office & Steel Foundry, cater the workshop & Steel Foundry and one non-statutory canteen in the administrative office are functioning smoothly. Another non-statutory canteen is operation in the ancillary unit, ELAAU/DKAE. The non-statutory canteen is presently outsourced and efforts is being made to outsource the statutory canteens also for better management and better amenities.

### **7.11.6 Recreation:**

Two major and two minor Railway Institutes are functioning to cater to the social, cultural and recreational needs of the residents of CLW. Apart, there is a cinema hall, a children Park, Ganga Boat club run by CLW-WWO are also providing recreational and amusement facilities to the residents of Chittaranjan. Loco Park, which is also known as "Heritage Park" is open for the public on every day and provide joy rides to the children in the steam toy train on every Saturday. Yoga park & one open gym is opened for the residents. Two swimming pools & two Multi Gymnasiums are also in operation. CLW cultural association and CLW Sports Association functioning in CLW to promote cultural and sports activities. One archery academy, one hockey ground, two indoor badminton, one Golf Court & Table Tennis courts are provided under CLWSA. One Hostel for the Archery Camp with all amenities is also allotted.

### **7.11.7 Scouts and Guides:**

Bharat Scouts & Guide CLW District Association is affiliated to Eastern Railway Bharat Scouts & Guides is functioning since 1963. The Chittaranjan District Association / Bharat Scouts & Guides is renamed as CLW District Association in 1983. It organized a number of scouting activities and services to the community. An awareness Rally carrying Poster Placard to aware worker about safety in Main Workshop and Works Office under "Safety Week" was observed on 04.03.2025. On 16.06.2024, a poster competition along with medicinal tree plantation was organized to spread the message on World Environment day where all the District Official participated. A cycle rally

was organized among the members on 30.06.2024 to spread awareness on Water Conservation. Our team performed Nukkad Natak in G.M. Office and in front of T.O. Gate to spread the Vigilance Awareness among cities on 28.11.2024 and on 20.08.2024, in Quomi Ekta campaign the members helped to collect donation for different orphanage Homes. Scouts and guides are also engaged in Pulse Polio programme each year as well as the services rendered by the Scouts & Guide in social & religious occasions.

**7.12. Pension Scheme:**

The progress of settlement cases under the pension rules is as under:

No. of cases pertaining to 2023-24	No. of cases occurring during 2024-25	No. of cases finalized	Total No. of cases pending
604	659	659	0

All the settlement cases are finalised through online mode (HRMS) and every settlement dues of NR cases are paid on the last day of every month.

**7.13. Passes and PTOs (Availed by Staff/Officers) for the year 2024-25:**

Retired staff & officers who availed Passes	8405
Staffs who availed Passes and PTOs	42842
Total Passes and PTOs issued	51247

The pass for railway employees are being issued through HRMS and retired employees are being allowed to take pass in both medium, i.e. HRMS or manual as per Board’s order.

**7.14. CLW Women’s Welfare Organization:**

**7.14.1. Aims and Objectives:**

- To promote, encourage and co-ordinate work for the welfare of Railway employees and their family members.
- To foster a spirit of friendship, unity and understanding amongst the Railway women.
- To provide assistance to deserving charitable institutions.
- Promotion of education, health, sports and artistic talents.

**7.14.2 Centres run by CLW WWO:**

- ShishuVihar School – English Medium (Preparatory school)
- Ganga Boat Club (Outdoor recreation centre).
- Asha Kiran School for special children.
- Masala Centre & Flour Grinding Centre.
- File making Centre.
- Handicraft Centre.
- One shop for Masala as well as handicrafts is running at Amladahi Market.

### **7.14.3 Annual Activities:**

Organising “On the spot Drawing and Painting Competition” and “On the Spot Essay Competition” for Railway School children.

- Independence Day celebration.
- Teachers’ Day celebration.
- Felicitation of employees on International Labour Day
- Durga Puja festival awards.
- Republic Day celebration.
- Saraswati and Viswakarma puja.
- Cash awards for meritorious students.
- Women’s Day Celebration

## CHAPTER – VII

### MEDICARE

8. The Kastruba Gandhi Hospital was inaugurated by the then Governor of West Bengal, Dr. K.N. Katju on 12<sup>th</sup> February 1951. The hospital has been offering optional service to the CLW employees and their dependents, as well as Non Railway patients who are directly connected to the township. It has done exemplary work during the pandemic period.

The department has procured 26 nos. of Ventilators, 30 Motorised beds, 18 nos. of ICU monitors, 2 nos. of ABG machines , 2 electrolyte Analyzers, 4 Defibrillators. Procurement of 52 nos. of Thermal scanners.

**Modular Operation theater** having Harmonic scalpel, Remote controlled OT table, Argon Plasma coagulation system, HD Laparoscopic system and ultra modern OT lights with camera, arthroscope and bronchoscope. Minimum invasive surgeries are done here on regular basis.

**The Cardiology Department** is equipped with 16 bedded ICU equipped with 4 ventilators, CTMT machines, Colour Doppler for 2D-ECHO Cardiography, Computerised Spirometer, Blood gas analyser, defibrillator with Computerised monitoring system for each bed alongwith infusion pump.

**Radiology department** is equipped with one Digital X-ray machine, 2 portable X-ray machines, and Ultrasonography. **Radiology Machine :-** Retrofit Digital Radiography System will help for instant Radiological Diagnosis by taking high definition X-Ray Images.

**Allengers CARM Fluoroscope:-** Allengers CARM Fluoroscope with Motorized Mechanical Motion is helpful in Operation Theatre setting and will help the operating surgeon for instant therapeutic maneuver. It is also helpful for implantation of PACE MAKER in future for emergency patients of complete heart block.

**Eye OPD** is equipped with auto Refractometer slit lamp direct and indirect ophthalmoscope pachymeters kerato meter, non contact tonometer, OCT, USG-B Scan. It Provides comprehensive basic eye care service including refraction , Glaucoma management, Medical retina etc to be CLW beneficiary. contract surgery in the form of phaco emulsification , Intravitreal Anti VEGF injections different minor surgery are performed / routinely.

Our hospital is the only hospital in the Burdwan District, providing large number of Regular laparoscopic Cholecystectomies, Laparoscopic appendectomies and Laparoscopic repair of incisional and ventral hernias. Caesarian sections and Suture less cataract operations are being done in this hospital.

Apart from this there is a fully equipped Physiotherapy unit, Pathology lab, Blood bank, Dental department. The Pathology lab has tie-up with CMC Vellore for External quality assurance in biochemistry to ensure reliability of test results. This gives perfection to our performance.

To satisfy the medical needs of the population of Chittaranjan Township, there are 5 Health units and one First aid post in workshop and Steel Foundry. A round the clock ambulance service is covered by four ambulances for the colony and the factory. The bed occupancy of K.G.Hospital was 32.03% in 2022-23. A total of 126344 patients attended the OPD in 2022-23.

**HMIS:-** Presently 11 modules are running. Patients are getting medicine online and prescriptions are populated in their Mobile App. Almost 1.25 lakhs OPD Prescriptions generated through HMIS.

We have a tie up with the following hospitals for emergency and critical cases:

**8.1. We have a tie up with the following hospitals for emergency and critical cases:**

<b><u>NCR Region</u></b>	1. Medanta Medicity/Gurgaon 2. Max hospital/Delhi
<b><u>West Bengal Region:</u></b>	
<b><u>Kolkata Region</u></b>	1. B.M.Birla Heart Centre 2. Ruby General Hospital 3. Arunodaya Health Centre/Dankuni 4. HCG EKO 5. Dristi Deep
<b><u>Durgapur Region</u></b>	1. The Mission Hospital/Durgapur 2. Health World Hospital/ Durgapur 3. Mohanananda Health care Society/Durgapur 4. D-VITA
<b><u>Asansol Region</u></b>	1. The HLG Memorial hospital
<b><u>Tie up for CT scan and MRI is with</u></b>	1. M/s Modern Diagnostic Centre, Rupnarayanpur 2. M/s Medicare images, Asansol 3. M/s Avishkar Diagnostic , Asansol 4. M/s Modern Diagnostic Centre, Rupnarayanpur 5. M/s Millenium Diagnostic Centre, Asansol (CT Scan only)
<b><u>Tie-up with Diagnostic Laboratories</u></b> for Pathological & other type of diagnostic investigations (cashless service).	1. Lal Path Lab.

**8.2 Major Activities:**

- World Health Day has been observed on 07<sup>th</sup> April 2024.
- World Nurse Day observe on 12<sup>th</sup> May 2024.(Sunday & 17<sup>th</sup> May 2024).
- National Dengue Day has been observed on 22.5.2024
- Seminar on benefits of Yoga was arranged on 21th June 2024.
- National Doctors Day on 1<sup>st</sup> July 2024.
- World Breast Feeding week was observed on 01<sup>st</sup> August 2024 to 07<sup>th</sup> August.
- National pharmacy week has been observed on 25<sup>th</sup> November 2024.
- A Seminar on 100 days Intensified Campaign on T.B.Elimination has been organized on 17<sup>th</sup> January 2025.
- Republic Day 26<sup>th</sup> January' 2025.
- Executive Health Check up of PHODs and HODs on 08.02.2025 (JAG & Above) and 15.02.2025 (Below JAG) respectively.
- Medical Health Check up Retired Railway Employees/Retired Railway Beneficiaries has been Carried out from 24<sup>th</sup> March 2025 to 28<sup>th</sup> March 2025.

**8.3 The following M&P items have been procured for 2024-25:**

- Full HD laparoscopic set.
- Advance Phacoemulsification Machine.
- Fully automatic bio chemistry analyzer with ISE.



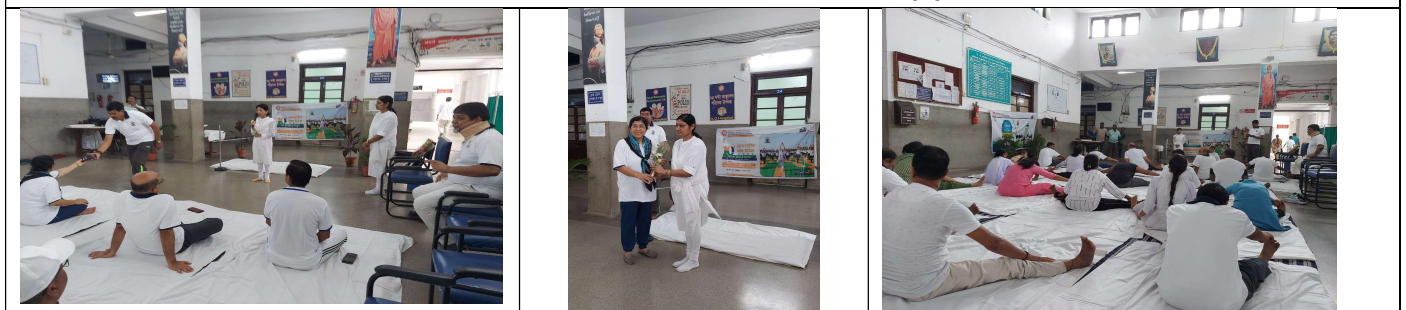
World Health day celebration on 7.4.24



International Nurses Day celebration 12.05.24



Seminar on social media for Doctors on 15.5.24



Yoga day on 21.06.24



Celebration of Doctors Day 01.07.24



Observation of world breast feeding week 1st week of August 2024



Celebration of Independence day 2024



Swachhta Pakhwada



Health check up for cleaner on 19.09.24



Vigilance awareness week 28.10.24



100 days intensive TB elimination campaign January 2025



Member Finance RB visit at KGH on 12.01.25

Republic day celebration 2025



International women's day celebration 08 .03.2025



#### 8.4 Important Events:

#### 8.5 Family Welfare:

The birth rate in CLW Township is lower than the national average rate and even better than the Indian railways average. A total of 17 sterilizations amongst the railway population were conducted during 2024-25.

617 children were immunized with Polio(third dose, 518 with Measles and 121 with BCG vaccines during the year.

#### 8.6 St. John ambulance brigade:

The members of this organisation actively participated in Pulse Polio, Durga Puja Immersion ,blood donation camps, Inter Rail Football, Cricket, Archery and Local tournament etc in CLW.

#### 8.7 Emergency Services:

The Casualty Department is being manned by a Medical Officer & a Dresser round the clock. 02 nos. of Ambulances are available at K.G. Hospital round the clock, and one each at Locoworks and Steel Foundry. The hospital, 6 health units and OPD are well equipped to fight any disaster.

#### 8.8 Public Health:

A total of 3508 water samples were tested for residual chorine & all were found to be satisfactory. Out of 142 water samples tested for bacteriological contamination 02 were found unfit and proper remedial measures were taken immediately. There was no outbreak of malaria, dengue, chickengunia or any communicable disease in the colony due to proper sanitation, timely spray of anti-larvicides in drains.

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#### 8.9 Medical Officers at CLW:

(as on 31<sup>st</sup> March' 2025)

Sanctioned Strength	26
UPSC Doctors on roll	<b>18</b>
EOL	02
Study Leave	01
CMPs on Roll	09

#### 8.9.1 Details about surgeries: Surgeon wise (by name details of major surgeries done monthwise for last 12 months).

(From Apr.'24 to March'25)

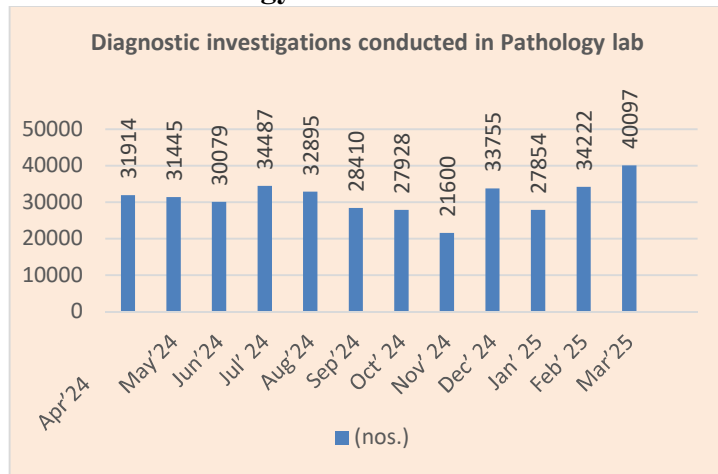
SN	Name of doctor	Specialty	Major Surgeries/ Special / Ortho.	Minor Surgeries
1.	Dr. A. Santra	G.Surgery/Ortho	36/28 nos./116	423
2.	Dr.A.K.Chakrabarti	ACMS/Eye	145	268
3.	Dr. T. Chakrabarti	Gynaecology	NIL	42
4.	Dr. S. Sengupta	Anaesthesia	70/32.	138

### 8.9.2 Training/Conferences/meetings attended by Doctors:

SN	Name & Desig.	Training attended at	Period
1.	Dr.R.K.Mukherjeer, PCMO	Multi Speciality National Conference.	13.4.2024 to 14.4.2024.
2.	Dr. R.K.Mukherjee, PCMO	MRDCON-2024/HCG.	05.7.2024 to 06.7.2024.
3.	Dr. R.K.Mukherjee, PCMO	Precision under Pressure: Mastering Risk Management in Medical Lab.	03.8.2024 to 04.8.2024.
4.	Dr.A.K.Chakrabarti,ACMS/Eye	Multi Speciality National Conference.	13.4.2024 to 14.4.2024.
5.	Dr.S.Sengupta,ACMS/G	WBISSACON.	30.8. 2024 to 01.9.2024
6.	Dr.Tulu Chakrabarti, ACMS/FW.	Drug Procurement Policy.	22.04.2025.
7.	Dr.B.Ganguly,DMO	ISA(RAISACON/2024).	28.09.2024to29.09.2024.
8.	Dr.T.Biswas, ADMO/Paeds	Precision under Pressure: Mastering Risk Management in Medical Lab.	03.8.2024 to 04.8.2024.

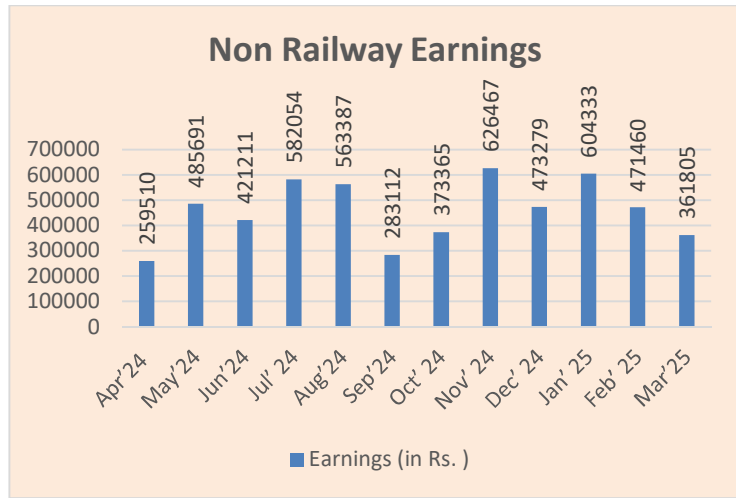
### 8.10 Diagnostic investigations conducted in Pathology lab:

Months	Pathlab(nos.)
Apr'24	31914
May'24	31445
Jun'24	30079
Jul' 24	34487
Aug'24	32895
Sep'24	28410
Oct' 24	27928
Nov' 24	21600
Dec' 24	33755
Jan' 25	27854
Feb' 25	34222
Mar'25	40097
<b>TOTAL:</b>	<b>374686</b>



### 8.11 Non Railway Earnings:

Month	Earnings (in ₹)
Apr'24	259510.00
May'24	485691.00
Jun'24	421211.00
Jul' 24	582054.00
Aug'24	563387.00
Sep'24	283112.00
Oct' 24	373365.00
Nov' 24	626467.00
Dec' 24	473279.00
Jan' 25	604333.00
Feb' 25	471460.00
Mar'25	361805.00
<b>Total</b>	<b>5505674.00</b>



## **CHAPTER IX** **SECURITY**

### **9.1 Chittaranjan, a protected area:**

Chittaranjan Township was declared as protected Township under Government of West Bengal's Order No.871-P dated 06.02.1971. By this order, Security Commissioner/Railway Protection Force have been authorized to grant permission for entry into the CLW Township. For maintaining law and order, there is a West Bengal Police Station headed by an Inspector In-Charge.

### **9.2 Railway Protection Force:**

The jurisdiction of RPF/CLW/Chittaranjan extends to the entire workshop and Township area of CLW including Pump House at Sidhabari, (over Maithan Dam), and Dankuni Electric Loco Assembly & Ancillary Unit work shop (ELAAU).

Railway Protection Force bears the responsibility to protect and safeguard Railway Property in Workshop as well as in CLW Township. The force discharges its function under the general supervision of the General Manager of CLW who is assisted in this regard by IG cum PCSC/CLW. 01 post of Sr. Security Commissioner (Vacant from 14.04.2023 ). Now only one Assistant Security Commissioner posted at CLW/CRJ.

Chittaranjan Locomotive Works is spread over an area of 8,98,373 Sq. Meters and total township area is 18.34 sq. Kilometers. The entire area is covered with boundary wall except some parts toward southern side lying on the bank of river Ajay. There are 05 RPF Posts namely:-

- (i) RPF Township Post,
- (ii) RPF Main Shop Post,
- (iii) RPF Traction Motor Post,
- (iv) RPF Steel Foundry Post.
- (v) RPF ELAAU/Dankuni Post.

They are responsible for providing basic security to their respective allotted jurisdiction within CLW/Chittaranjan. Apart from above 05 Posts, 01 Unit in the form of Company (RPF A.W. Coy/CLW) is also available and responsible for manning three gates of CLW/CRJ and deployment of Forces in connection with unscheduled duties.

In addition, there are two intelligence branches: - 1. Special Intelligence Branch & 2. Crime Intelligence Branch. There is also a Dog Squad, a Store Branch and a ADM-Cell/Crime Cell. After restructuring, the following Cells also have started functioning: - **(i) Computer Cell, (ii) Sports and Welfare Cell (iii) Security Control (iv) Divisional Quarter Master (v) LTM.** The Sanctioned and on roll rank wise strength of RPF/CLW/Chittaranjan is as under:-

The Sanctioned and on roll rank wise strength of RPF/CLW/Chittaranjan is as under:-

Rank	IG	Sr.SC	ASC	IPF	SIPF	ASIPF	HC	CT	Driver	Ancll.	Total
Sanctioned strength	-	01	01	15	41	32	118	255	09	28	500
Present strength	01	--	01	16	25	30	93	147	03	17	333
Vacancy	-	01	--	--	16	02	25	108	06	11	169
Excess	01	--	--	01	--	--	--	--	--	--	02

### 9.3 Training:

- Total 246 Nos. (Online training- 97 (Webinar), Offline Training – 149) of RPF officers & staff of CLW undergone refresher course at MDSTI/KPA, CDTI/Kolkata, JR Academy/Lucknow, Nasik, Valsad, Moula-Ali, Prayagraj etc. training during the year 2024-25.
- 320 RPF Personnel have participated in the Annual Range Classification at CISF Firing Range/Sidhabari held from 04.03.2025 to 10.03.2025.

### 9.4 Crime against railway property:

All the cases reported have been registered and proper follow up action has been taken in each case. Crime Figure of CLW/ Chittaranjan for the period 2022-23, 2023-24 & 2024-25 is as under: -

#### 9.4.1 Theft of railway materials inside workshop area

(Value of Property in Rs.)

YEAR	No. of Cases		Stolen	Recovered	Arrested		
	Registered	Detected			O/S	RE	RPF
2022-23	01	01	750/-	750/-	01	--	--
2023-24	01	01	1450/-	1450/-	02	02	--
2024-25	--	--	--	--	--	--	--

#### 9.4.2 Performance under RP (UP) Act:

YEAR	No of Cases Registered	Railway Property Recovered (in Rs.)	Arrested		
			O/S	R/E	RPF
2022-23	02	4250/-	04	--	--
2023-24	05	109823/-	05	02	--
2024-25	05	15843/-	09	--	--

#### 9.4.3 Performance under Railways Act:

Year	No. of cases registered	No of Persons Arrested	Fine Realized (In Rs)
2022-23	93	147	67200/-
2023-24	171	226	119350/-
2024-25	173	231	266900/-

### 9.5 Dog Squad:

There is a Dog Squad available for Detection of explosive and contraband items. It consists of One Sniffer dog namely FIGO which is of Labrador breed. The sanctioned strength of RPF/DS/CLW/CRJ is 02 dogs and presently one dog is available for duty. The present dog is 09 years old. Therefore, one new dog is required. So, the dog can be trained on time before retirement of present dog FIGO. The kennel is situated near RPF barrack at Simjuri.

## 9.6 Modernization of the force:

As a part of modernization programme following items with the Security Department of CLW: -

1	Xerox Machine	03 Nos.
2	Computer P.C	29 Nos.
3	Printer	26 Nos.
4	Hard Disc Drive	04 Nos.
5	Bar Code Scanner	01 No.
6	Hand held metal detector	43 Nos.
7	DFMD	12 Nos.
8	Camera (Manual)	01 No.
9	Digital Still Camera	03 Nos.
10	Video Camera	04 Nos.
11	Finger print kits.	02 Nos.
12	CDR Software Analysis	01 No.
13	Smart Phone	07 Nos.
14	Television LED	01 No.
15	Inspection Trolley Mirror	05 Nos.
16	Poly Carbonate lathi (105 cm-50, 52.5cm 25):	398 Nos.
17	Fax Machine (all-in-one)	01 No.
18	PA system	02 Nos.
19	Generator Set	01 No.
20	New portable pump	01 No.
21	High power Britelite torch light	22 Nos.
22	Vehicles Flag 03 nos. for PCSC/CLW	03 Nos.
23	Air Cooler for Barrack	45 Nos.
24	May hand Held Brush Cutting Machine	02 Nos.
25	Tarpaulin	04 Nos.
26	Full Body protection for female	10 Nos.
27	Ceremonial Dress	100 Nos.
28	HFG Poly Carbonate Helmet	72 Nos.
29	Anti Riot Combat Shield	72 Nos.
30	NFG Medium Riot Centre Helmet	10 Nos.
31	Deep Freezer	03 Nos.
32	Full Body Protector	62 Nos.
33	Inset Killer	06 Nos.
34	Unbanded Wool carpet	05 Nos.
35	Q. Manager	40 Nos.
36	Umbrella	06 Nos.
37	Carlton Mattress	15 Nos.
38	Bomb Blanket	01 No.
39	Bomb Basket with trolley	01 No.
40	03 Seater visitor chair	01 No.
41	Night Vision Binocular	01 No.
42	Walkie Talkie 5W	55 Nos.
43	Iron Bed/Metal Bed Cots	15 Nos.
44	Samiyana/ Tent	02 Nos.

45	Carrier Lunch Box	219 Nos.
46	Blanket	219 Nos.
47	Rain Jacket	219 Nos.
48	Woolen Jacket	219 Nos.
49	Mosquito Net	219 Nos.
50	AQUA PRAG (RO+UV+UF)	04 Nos.
51	Pen Drive	46 Nos.
52	Mixer Grinder	02 Nos.
<b>Multi Gym Items</b>		
53	Functional Trainer	01 No.
54	Viva Powder coated stainless steel abdominal	01 No.
55	Viva 04 station Multi Gym	01 No.
56	Fitness belt Exercised	01 No.
<b>Disaster Management Equipment</b>		
57	Waist Coat	15 Nos.
58	30 Watt Emergency Light	05 Nos.
59	First Aid kits	17 Nos.
60	Rain Coat	15 Nos.
61	BPL emergency light	10 Nos.
62	Loud Hailer	16 Nos.
63	Bomb Blanket	01 No.
64	Bomb Blanekt with trolley	01 No.
65	Queue Manager	20 Nos.
66	20 AXE	05 Nos.
67	Walkie Talkie	05 Nos.
68	Fire Proximity	01 Set
69	Sony Digital Camera (20 MP)	01 No.
<b>Fire Fighting Items</b>		
70	PVC Bamboo	05 Nos.
71	Venus 7500 Mask	03 Nos.
72	Helmet with Torch Light	02 Nos.

### 9.7 Transportation:

The following vehicles are with the Security Deptt. Of CLW:

1	Toyota Qualis	WB-38 L/0002 (Diesel)	Under process Condemnation
2	Mahindra Bolero	WB-38 AK/5876	On road
3	Maruti Gypsy	WNL 2217	Inspection Car
4	Mini Bus	WB 37C 6409	On road
5	Bullet Hunter 350	WB38BC 0744 of TS Post : WB38BC 0717 of TM Post WB38BC 0718 of MS Post WB38BC 0720 of AW-Coy/CLW WB38BC 0739 of ADW/CLW WB38BC 0713 of MS-Fire/CLW WB 38BE 6561 of CIB/CLW	On road On road On road On road On road On road On road

		WB 38BE 6571 of SF/CLW WB 38BE 6558 of SIB/CLW Not yet registered (DKAE)	On road On road On road
6	TVS Apache	WB38AS2144 of TS Post WB38AS2146 of TM Post WB38AS2127 of MS Post WB38AS2134 of CIB/CLW WB38AS2120 of SIB/CLW WB38AS2113 of DQM	On road On road On road On road On road On road

Besides above, 04 nos. of vehicles have been hired with the sanction of GM/CLW for night patrolling and effective crime control over Township area of Chittaranjan.

## 9.8 Intelligence:

Proper action for maintenance of security without advance, accurate and verifiable information is impracticable. RPF/CLW has two intelligence gathering machineries in form of:

- i. **Special Intelligence Branch:** - RPF Intelligence Unit/CLW/CRJ to collect/gathers intelligence from different sources in Railways as well as local areas relating to Railways issues like Activities of Trade Union, political, Law and Order situation, sabotage, subversive elements and activities of Band organizations, activities of Left Wing Extremists and Terrorist nearby areas in co-ordination with different intelligence agencies viz. IB, SB & LIUs with the courier part. No activities of LWE and subversive reported in and around Chittaranjan. However, close watch is being kept.

During 2024-25 the following activities have taken place at CLW/CRJ premises.

Meetings/gate Meeting	50	Conference	04
Demonstration/Dharna	12	Rally/Processions	13
Bandh	NIL	Strike/Agitation	03
Gherao	03		

- ii. **Crime Intelligence Branch:** - Gathers information about crime and criminals and also conducts searches, raids, arrest and ambushes with a view to control crime.

## 9.9 Staff Welfare:

**Settlement:** Last day settlement payment to the retiring staff has already been introduced and is being maintained regularly.

**Compassionate Appointment** – Total 04 cases of Compassionate appointment are pending and which 03 are under process in the office of PCPO/CLW/CRJ and 01 in the office of Sr. DSC/RPF /SDAH/ER.

**N.B.:** Prasenjit Das (Son of the Ex. HC. Biswajit Das of RPF/Township Post) the case of his appointment on compassionate ground has been closed for the time being.

**RPF Canteen:** RPF Canteen has been running successfully as a welfare measures for the RPF personnel at CLW/CRJ.



**Accommodation Facilities:** Residential facilities are provided free of cost through barracks. Currently, there are 03 barracks for male RPF personnel, 01 barrack for female RPF personnel and 02 rest houses/barracks for RPF Officers.

**Sports and Competitions:** The RPF cricket team participated in an inter-division tournament held at Asansol CLW RPF team lost semifinals against Sealdah Division and Final won by Howrah Division.

**Shooting Competition:** RPF/CLW successfully organized an inter-division shooting competition. Where total 06 division of RPF Eastern Railway participated and competition won by Sealdah Division.

#### **9.10 Good work done by the Security Department:**

- a) RPF officers and staff of CLW/CRJ, conducted raid and round 24X7 hrs. in the matter of providing security to Railway property and detecting the case of theft against Railway property and arresting the criminals involved therewith. In this period in question, there was detection of 05 case involved with the theft and recovery of stolen material of CLW and arrest of 05 Outsiders.
- b) 914 Nos. Of unauthorized Khatals/Structures/shops (soft & hard) were removed with the active assistance of RPF.
- c) Successful recovery of stolen Motorcycle of Railway employee with joint efforts of Local P.S./Chittaranjan & CIB/CLW.
- d) In order to keep the Railway premises free from undesirable elements RPF officers and staff constantly took necessary efforts like raid, round etc. under the provision laid down in The Railways (Amendment) Act, 2003. In this financial year, total 231 persons were arrested and fine Rs.2,66,900/- was realized from those offenders.

#### **9.11 Fire Fighting Services:**

The fire wing is under Mechanical Department. Some RPF staff having knowledge about firefighting have been attached with fire Unit. The Fire Unit at CLW operate under the Frame Cadre Rule and is governed by CPO/CLW's Notification: GMA/ruling/23-A(X) dt. 02/08/2008. At Present, the team operates with the reduced strength of just five staff members. Which has a direct impact on our ability to manage fire safety across a broad area. The team is responsible for maintaining over 2100 fire extinguishers, 16 static tanks, 55 fire hydrants, and conducting quarterly mock drills and fire calls in the area of CLW, Asansol, Salanpur, Kulti and up to Jamtara. Given these responsibilities, it is clear that the Fire Unit plays a critical role in ensuring safety and preparedness for the CLW and surrounding regions.

- One SIPF has been attached from SF as SIPF P.K. Dutta has been transferred to Sealdah Division and 6 staff has been attached to fire unit.
- 04 Nos. of staff required training from WB Fire services.
- 02 staff from RPF have LMV driving license but they are capable of driving Heavy Motor Vehicle (Fire Tender). They have been motivated to make a Heavy Vehicle License.
- One Fire Tender has completed 15 years. It will be condemned and procurement will be done on Replacement Account.
- As desired by GM Sir, the Fire Fighting will continue to remain with RPF. The maintenance of Fire extinguisher will be outsourced by Mechanical Department.

## **CHAPTER - X**

### **VIGILANCE**

**10.1** The Vigilance Organization of CLW is manned by four Chief Vigilance Inspectors, two Stenographer Gr.I, three ministerial staffs and four group 'C' staffs (erstwhile group 'D' posts). It functions under the executive control of Dy. Chief Vigilance Officer with Chief Vigilance Officer at the helm as functional head.

**10.2 Complaint disposal:**

Year	Opening balance	Total Complaint received	Disposed otherwise	Investigated	Carry forwarded
2020-21	34	44	26	27	25
2021-22	25	53	15	28	35
2022-23	35	79	57	34	23
2023-24	23	80	45	36	22
2024-25	22	66	44	31	13

**10.3 Preventive checks:**

DEPARTMENT	2020	2021	2022	2023	2024
Accounts	02	03	01	-	07
Civil Engineering	08	09	13	01	07
Electrical Engineering	12	11	13	22	07
Mechanical Engineering	03	04	04	04	06
Medical	02	03	04	02	06
Personnel	06	07	05	09	24
Security	-	01	02	-	01
Stores	15	14	37	21	41
S&T	-	-	-	02	01
Others	-	0	01	02	03
<b>Total</b>	<b>48</b>	<b>52</b>	<b>80</b>	<b>63</b>	<b>103</b>

**10.4 Position of DAR cases (2024-25):**

CASES	GAZETTED	NON-GAZETTED	TOTAL
Cases finalized	05	35	41
Cases Pending	02	05	07

**10.5 Punishment imposed (2024-25):**

PUNISHMENTS	GAZETTED	NON-GAZETTED	TOTAL
Reduction to lower stage	01	06	07
Censure	02	05	07
Withholding of Pass/PTO	02	18	20
Compulsory Retirement	-	-	-
Cut in pension	-	-	-
Increment withhold	-	04	04

### 10.6 Administrative Action (2024-25):

Administrative Action	Gaz.	Non-Gaz.	Total
Recorded Warning	00	01	01
Counselling	03	00	03

### 10.7 System improvements (2024-25):

S N	Problem Detected	System Improvement Suggested
1.	During investigation, irregularities were found on giving permission to private firms for minor rectification at Shop-floor and allowing firm to use Railway Electricity & Railway M&P for such rectification without any payment to CLW.	As a System Improvement, to ensure transparency & accountability in the process, avoid vested interest of officials involved, ensure fair compensation for the railway resources used by firms and avoid delay in loco dispatch due to minor rectification work, PHOD of the department concerned i.e. PCEE & PCME has been advised to issue a written policy/instruction to all concerned on giving permission to private firms for minor rectification at shop floor and charges to be levied from such firms for use of railway electricity and other M&P, items of Railways, if any
2.	During investigation, substantial delay was found in fitment of items supplied by developmental firms which ultimately delayed the vendor approval of firm. It was also found that there is no proper record keeping and proper tracking of fitment of items supplied by developmental firms due to which approval of firm gets delayed.	As a System Improvement, PHOD of the department concerned i.e. PCEE has been advised to issue a written policy/instruction/JPO in consultation with concerned departments on immediate fitment of items supplied by developmental firms in locomotive on top priority, proper record keeping/tracking of items supplied by developmental firms and strict compliance of clause 5.11.9.2 of WI No. CLW/MLAS /EL/WI/Rev.4 effective from 07.01.2022 so that such substantial and avoidable delay is not repeated in future
3.	During investigation, irregularities were found in spot allotment of railway quarter. Without any specific order/instruction and guideline, spot allotment were being done by quarter allotment office. The instruction issued on the matter of quarter allotment in the year 2000 were also not being followed.	As a System Improvement, to ensure transparency & accountability in the quarter allotment and avoid vested interest of officials involved, PHOD of the department concerned i.e. PCPO has been advised to review the policy issued in 2000 duly keeping in view the requirement/non requirement of spot allotment and to issue new/revised policy with the approval of competent authority. In addition to this, it has also been advised to implement quarter module available in IPAS.

4.	<p>During one investigation, it was found that Letter of Acceptance (LOA) and Purchase Order to a developmental firm was not issued as per the recommendation of Tender Committee and its acceptance by Tender Accepting Committee. An Important condition of prototype inspection mentioned in Tender Committee minutes was not incorporated in Letter of Acceptance and Purchase Order issued to the firm. It was also found that letter of acceptance and counter-offers were issued manually and not online through IREPS. Had these Letter of Acceptance and counter offers been issued online through IREPS, such irregularity could have been avoided.</p>	<p>As there is provision of processing Tender Committee Minutes &amp; acceptance of Tenders and issue of LOAs &amp; counter offers online through IREPS, as a system improvement, it was suggested by Vigilance <i>for processing Tender Committee Minutes &amp; acceptance of Tenders and issue of LOAs &amp; counter offers online through IREPS only.</i></p>
5.	<p>During investigation of one complaint case regarding transfer and posting of officials in CLWSA, it was found that the instruction issued by Railway Board in this regard vide letter Dy. Director/ E(Sports)/RB's letter no. 2020/E(Sports)/4(3)/18 dtd. 01.01.2021 (RBE no. 120/2020) is not being followed strictly in CLW.</p>	<p>It was advised by Vigilance for strict compliance of Railway Board Instruction dtd. 01.01.2021 regarding transfer and posting of officials in CLWSA.</p>
6.	<p>During investigation of a complaint case, it was found that answer sheets of candidates appeared in written exam held in the month of March 2019 and July 2019 for recruitment to Gr. C posts in CLW against cultural quota for the FY 2018-2019 and FY 2019-2020 respectively are not traceable by personnel department. Further, vigilance investigation revealed that in view of austerity measures due to COVID-19, Railway Board vide its letter No. E(NG)II/2020/RR-2/1 dtd. 27.07.2020 had pending recruitment under Cultural and Scouts &amp; Guides Quota for the FY 2020-21 till further instruction. But due to late receipt of physical copy of this circular, in CLW, written exam for the recruitment against cultural quota for the FY 2020-21 was held on 30.07.2020 and final result was declared on 31.07.2020 i.e. after issue of letter by Railway Board.</p>	<p>As a system improvement, it was advised to PCPO 'To issue a clear instruction/ guideline' to all concerned for safe keeping of all documents related to the selection such as question paper, answer sheets of candidates, model answers sheet etc. duly maintaining the records of officials who dealt the same. Instructions / guidelines should be such that clear cut responsibility can be pinpointed in case of missing of these records so that instances of non-tracing/missing of official records are not repeated in future.</p> <p>It was also advised 'To make a system' for regular checking of Railway Board's website for latest orders/instructions/circulars and timely implementation of the same without fail so that instances of irregularity due to late receipt of physical copy of circular from Railway Board is not repeated in future. Checking of Railway Board's website on regular basis for latest orders/instructions/circulars may be included in the duty list of officials concerned.</p>

<p>7. During investigation of a complaint case, it was found that the name of a firm was included in vendor directory without any official &amp; factory address. This firm had last participated in CLW's tender in 1999 and since then did not participate in any tender of CLW for about 20 years. CLW vendor approving authority in 2018, instead of reviewing the approval status of firm, incorporated address of the firm in vendor directory on the basis of verification of address done by Mumbai inspection cell. Vigilance investigation revealed that the said firm was a trader and not manufacturer. Despite being approved vendor, this firm participated in tenders as an authorized dealer of other un-approved vendor offering the product of other make. As firm was not participating in tenders, the approval status of firm should have been reviewed by vendor approving authority but the same was not done. Later on, as per advice of Railway Board, this item has been deleted from the vendor directory. However, there may be other dead/inactive sources appearing in CLW's Vendor Directory for other items also.</p>	<p>As a system improvement, it was advised to PCEE to identify the dead/inactive sources appearing in CLW's Vendor Directory and review the approval status of those vendors.</p>
<p>8. During investigation of a preventive check case related to the promotion from JE to SSE, certain irregularities such as non-updation of PBR Register, incorrect assessment of vacancies and giving promotion to the candidates against anticipated vacancies before its actual date of vacation were found. It was found that officials updating the details in PBR register do not sign in PBR register which makes it difficult to find as who made such entries in register.</p> <p>It was also found that PBR point no. of anticipated vacancies are mentioned in vacancy assessment sheet but the PBR point no. of existing vacancies are not mentioned which results into incorrect assessment. Further, in other railways, PBR registers are made public by uploading on its official website for the notice of employees, but in CLW, PBR registers are not made public.</p>	<p>As a System improvement, Vigilance advised following;</p> <ol style="list-style-type: none"> <li>i. While making any entry in PBR register, dealing clerk should sign on PBR register. The PBR register should also be signed by APO/Reservation and liaisoning officer.</li> <li>ii. While assessing the existing vacancy and anticipated vacancy, dealing clerk should indicate the PBR number of such vacancies in his/her note and the assessment sheet should be signed by dealing clerk &amp; concerned APO.</li> <li>iii. PBR register should be made public by Personnel deptt. by uploading the same in Intranet website of CLW for the notice of all employees.</li> </ol>
<p>9. During investigation of a complaint case, it was found that a Demonstrator and a TGT were promoted to PGT on ad-hoc basis for a period of 04 (four) months in 2008. As per guideline on the matter of ad-hoc promotion mentioned in Chapter 2 of IRVM Vol-1 and Master Circular</p>	<p>As a system improvement, Vigilance advised to make a system for proper monitoring of ad-hoc promotion cases and timely reversions/discontinuation of the same so that such instances are not repeated in future.</p>

<p>no. 31, ad-hoc arrangement should normally lapse after 04 months. In exceptional case, such ad-hoc arrangement may be continued with the personal approval of PCPO. But in this instant case, both teachers continued ad-hoc promotion to the post of PGT till April 2023 without approval of PCPO.</p> <p>Further, it was found that even after posting of regular incumbent selected through RRB in 2014, ad-hoc arrangement of Demonstrator was not discontinued and he kept on enjoying the ad-hoc promotion to the post of PGT. Thus, against a single post, 02 incumbents continued for about 09 years.</p>	
<p>10. During investigation of a preventive check case related to the sale of non-ferrous scrap, certain irregularities such as taking short quantity in stores ledger as compared to actual receipt, formation of lot with incorrect weight and considerable delay in sale of scrap were found. During investigation, it was found that against 02 different NS-11 (S-1539) vouchers, 480 Kg short quantity was taken in Stores ledger as compared to the actual receipt. During surprise check by vigilance at the time of delivery of a scrap copper lot of 2685 Kg, excess scrap of 400 Kg was found in this lot as left over.</p> <p>Investigation revealed that the subject scrap lot was formed in November-2022 and the same was sold after a long time in January-2024.</p>	<p>As a System improvement, Vigilance advised following;</p> <ol style="list-style-type: none"> <li>i. While forming lot of non-ferrous scrap, the weighment should be done with extra precaution and correct weight should be indicated in auction catalogue. All possible measures should be taken so that the actual weight of lot at the time of delivery of auctioned scrap should not differ from the weight indicated in auction catalogue/bid sheet.</li> <li>ii. Arrangement should be made in scrap yard/scrap ward of non-ferrous scrap for separate bin/pre decided area for lots marked for auction and for new incoming scrap. In no case, new incoming scrap should mix with the lots marked for auction.</li> <li>iii. After formation of lot, Scrap should be sold as early as possible. All efforts should be made to avoid much delay in sale of scrap.</li> </ol>
<p>11. During investigation of a preventive check case related to the payment of transport Allowance, it was found that Transport Allowance (TPA) is being paid to the employees who were on sanctioned leave covering whole calendar month. As per para 4(a) of RBE no. 80/2017, the Transport Allowance will not be admissible for the calendar month(s) wholly covered by leave.</p> <p>It was found that 'Time Booth' office updates the attendance/leave records of artisan staff in IPAS for salary payment but they do not take care of this TPA aspect. Currently, the 'Time Booth' office assumed that Central Bill Section</p>	<p>As a System improvement, Vigilance advised following;</p> <ol style="list-style-type: none"> <li>i. To make arrangement in IPAS available with 'Time Booth' office for making entry in respect to TPA.</li> <li>ii. To pursue this matter with CRIS for arranging suitable modification /improvement in IPAS to ensure no any wrong TPA payment is made.</li> </ol>

	<p>(CBS) office will be deducting TPA in case any employee is on leave for full calendar month. But CBS office is also not doing it. This issue of wrong payment of TPA has been ongoing in the system for a long time for lacking of inter communication system among offices.</p> <p>Further, vigilance revealed that IPAS does not differentiate between leave and present attendance for which employee who are in leave covering full calendar month, IPAS charges Transport allowance automatically of which they are not eligible. This issue has been ongoing in the system for a long time for lacking in IPAS system.</p>	
12.	<p>During investigation of a PC case on timely rotation of officials posted on sensitive post, it was found that two non-gazetted staffs working on sensitive posts were not rotated after completion of their tenure. These staffs were performing the duties of Stores Clerk which has been categorized as sensitive post in the Railway Board's letter No. 2008/V-1/ CVC/1/4 dtd. 11.08.2008 (RBV No. 10/2008) and CVO/CLW's letter No. VO/Admn/ CON/Vig/3 dtd. 21.08.2014. But the department concerned classified the post of Store Clerk for both staffs as non-sensitive and did not rotate after completion of their tenure. Classifying sensitive posts as non-sensitive by Executive is in contradiction of extant guideline of Railway Board.</p> <p>Further, it was also revealed that staffs keep working on sensitive posts beyond the Railway Board's stipulated tenure limit of four-year due to lack of record-keeping for the tenure of staffs working on such posts.</p>	<p>As a system improvement, following were suggested:</p> <ol style="list-style-type: none"> <li>i. All departments should review and ensure proper categorization of posts as sensitive or non-sensitive in accordance with Railway Board's letter No. 2008/V-1/CVC/1/4 dtd 11.08.2008 (RBV No. 10/2008) and CVO/CLW's letter No. VO/Admn/ CON/Vig/3 dtd. 21.08.2014 (Available at CLW's intranet site).</li> <li>ii. All departments to make proper system for monitoring of tenures of staffs working on sensitive post (Record indicating date of joining on sensitive posts). It is also suggested to maintain a file of timely communication of rotational transfer of officials working on sensitive posts, to the concerned department responsible for issuing rotational transfer orders.</li> </ol>
13.	<p>During investigation of a preventive check case regarding payment made against Price Variation (PVC) bill claimed by the supplier, certain serious irregularities were found. In investigation, it was found that excess PVC amount claimed by the firm was paid by the Store Bill section of the accounts department without following the deemed PVC conditions of "PVC payment to the firm will be restricted to the actual PVC payment to the firm or the Deemed PVC Payment due to other firms out of tender case No. 70/20/1005 opened on</p>	<p>Considering the irregularities, as a system improvement, following were advised:</p> <ol style="list-style-type: none"> <li>i. To frame a check list for passing of PVC bills claimed by firm, which will be available with all dealing clerks so that instance of such excess/wrong payment is not repeated in future.</li> <li>ii. Dealing officials must keep all relevant documents/papers related to PVC bill payment such as IEEMA circular, Exchange</li> </ol>

	<p>17.06.2020, whichever the least” mentioned in Purchase Order. Accounts dealer passed the bill by simply checking arithmetical calculation in PVC sheet submitted by firm without verifying all other relevant facts.</p> <p>It was also found in investigation that for payment of PVC bills, firm submits PVC calculation sheet and other relevant documents like IEEMA circular, Exchange rate, PVC due to other firm &amp; other indices along with the PVC bills. Dealing clerk of Accounts department neither possess these documents nor cross verify the correctness of these documents. As the value of PVC bill depends on all these documents, Accounts must verify the correctness of documents submitted by firm before passing the bill.</p>	<p>rate, Wholesale Price Indices (WPI) etc. with them instead of asking these documents from firm.</p> <p>iii. The mechanism of suitable test check by Senior Officers may please be started.</p>
14.	<p>During investigation of a complaint case regarding irregularities in written examination for selection, it was established from the videography of the written examination that unfair means were adopted by candidates for selection. Though the allegation of irregularities in written exam was established on the basis of available video, it was found during investigation that Video of full duration of written examination was not available. Further, video was not covering all candidates sitting in the examination hall. It was also found that video was not covering the entry/exit gate of the examination hall.</p>	<p>Considering the irregularities, as a system improvement, Personnel department was advised to make arrangement of videography of full duration starting from the entry of candidates in examination hall to leaving examination hall after sealing of envelope containing answer-sheets/OMR sheets without any break. Further, Videography should be in such a way that covers all candidates sitting in the examination hall as well as entry/exit of the examination hall. If required, additional camera may be provided in examination hall to ensure proper videography.</p>
15.	<p>During investigation of a preventive check case regarding lodging warranty claim and condemnation of costly tools called Air/Gas-cooled MIG Welding Torch (PL No. - 76905366) and Water-cooled MIG Welding Torch (PL No. - 76905330), certain serious irregularities were found. In investigation, it was found that tools are supplied by firm with a warranty of 24/30 months and therefore if any tool fails within that period, the warranty claim should be lodged on firm for rectification/replacement of the same but this is not being done. Investigation revealed that no</p>	<p>As a system improvement, it has been advised to the PHOD of the department concerned to issue a detailed procedure/instruction for maintaining records of receipt/commissioning of tools, warranty period details, failure of such tools within warranty period etc. for ensuring timely warranty claims through warranty portal. In addition to this, condemnation of the items should be done only after expiry of warranty period and certifying that “Tools are not repairable/beyond economical repairable”.</p>



records of receipt date, commissioning date, failure date etc. are maintained at shop floor for the tools which is necessary for lodging warranty claim on firm. Investigation further revealed that some tools have been condemned before the warranty period is over which is a serious irregularity.

In addition to above, as per item no. 15 (A) of Misc. matter of Model SOP'2018, JAG officer is empowered to approve condemnation of Petty articles, T&P, Instruments etc. other than office equipment for valuing up to Rs. 10,000/- per item Scrap value. But, it has been found that in some cases the condemnation of item with value of more than Rs. 10,000/- has been approved by JAG officer which is also irregular. Further, as per Model SOP'2018, maintenance of T&P Register is must but it has been found that no such register is maintained for subject T&P at shop floor.

**CHAPTER – XI**  
**GENERAL ADMINISTRATION**

**11.1** The General Administration Department is headed by Senior Deputy General Manager. He is assisted by Dy. General Manager & CPRO, Asst. Dy. General Manager and Public Relation Officer.

The General Administration department of CLW deals in all Public Relation matters, Estate Matters, Revision of Schedule of Power, Arbitration cases, Parliamentary Questions, MP/MLA References, and other miscellaneous works.

**11.2 Parliamentary Questions during 2024-2025:**

SN	Particulars	No. of Questions Received	No. of Replies Sent
1	Parliament Questions	20	20

**11.3 MP/MLA References during 2024-2025:**

SN	Particulars	No. of Questions Received	No. of Replies Sent
1	MP/MLA References	2	2

**11.4 Status of Arbitration Cases during 2024-2025:**

No. of Cases as on 01.04.2024	New Cases added during the year	No. of Cases awarded during the year	No. of cases pending on 31.03.2025
02	05	05	02

**11.5 License fee recovery from stall/plot etc. during 2024-2025:**

SN	Particulars	Amount
1	Total Collection	Rs. 159.14 Lakh

**11.6 Earnings from Rest Houses during 2024-2025:**

SN	Particulars	Amount
1	Earnings from Rest Houses	Rs. 12,37,115/

### 11.7 Execution of Agreement/Contract with various agencies:

SN	Particulars	Period
1	Renewal of Lease agreement with SBI main branch & Staff Barrack.	01.04.2022 to 31.07.2027.
2	Renewal of Lease agreement with Bank of India Chittaranjan branch .	16.01.2012 to 15.01.2042.
3	Earning from Electric Crematorium (Agreement) for FY 2023-24.	01.06.2024 to 30.05.2026
4	Earning Contract from Logistic Hub (Contract) for FY 2023-24.	22.04.2025 to 21.04.2027
5	Booking of Air Ticket for CLW Officers on official account	22.07.2023 to 21.07.2028
6	Hiring of Cab & Taxi Service for SDGM on monthly basis .	07.09.2023 to 06.09.2025
7	Engagement of 02 Nos. Attendant in lieu of TADK at GM's Bungalow & Camp office .	01.07.2024 to 30.06.2025
8	Engagement of 01 No. of attendant in lieu of TADK at Dy.CVO's Bungalow.	01.07.2024 to 30.06.2025
9	Engagement of 01 No. of attendant in lieu of TADK at Secy to GM's Bungalow.	01.07.2024 to 30.06.2025
10	Engagement of 01 No. of attendant in lieu of TADK at Dy. GM's Bungalow.	01.07.2024 to 30.06.2025
11	Lease Agreement with SBI/Loco Branch.	01/04/2024 to 31.07.2029.

### 11.8 Other Activities:

SN	Particulars	Amount
1	Earning from Electric Crematorium during FY 2024-25	Rs. 7,43,573/-
2	Earnings from Logistic Hub (Contract) during FY 2024-25	Rs. 5,59,000/-
3	RMC Collection for buses plying in Chittaranjan Area till September 2024*.	Rs. 39,800/-
4	Fine collected from shopkeepers for single-use plastic	Rs. 8,500/-

\* October onwards transferred to Security Deptt.

- Routine Correspondence with Railway Board was done in a regular manner whenever the data sought for by the Railway Board, viz. Environment Sustainability Report, Import Content in materials for compilation of Indian Railway Yearbook 2023-24, Data in connection with Material for Indian Railway Annual Report & Accounts and Indian Railway Yearbook, Standard Note as on 31.03.2024, Annual Narrative Report for the year 2023-24 was compiled based on the data received from various departments and was uploaded in CLW Website.

- Activities Related to Swachh Bharat Mission, viz, collection of data and preparation of Reports of special Cleanliness drives as per the directives of Railway Board from time to time, preparation of regular reports are undertaken.
- Preparation of Budget estimate, Revised Estimate for expenditure of the year under departmental Code 81. This office puts utmost effort in collection of data, preparation of Budget estimate and revised estimate for departmental code 81.
- Paper works for sanction of awards for awards declared by GM/CLW during Republic day function, Independence day function and also Cash Award declared by GM/CLW during different occasion and function in CLW.
- All Public Relation activities which includes co-ordination with the printing and electronic media.
- Eviction of unauthorized structure in CLW Township: Removal of 820 nos. unauthorized structures till date during F/Y 2024-25.
- Maintenance of CLW website in co-ordination with different departments.
- Co-ordination with Civil Authorities.
- Making all arrangements for meeting in the Administrative Meeting room during VVIP/VIP visits in CLW. This office takes active part in organizing meetings during the visit of high officials and other prominent dignitaries in CLW.
- Arrangement Cash Imprest for Secy to GM, DGM, Processing of Tea Bill for GM, PCPO, DGM and Dy.CPO(G&A).
- Allotment of Bungalows to officers.
- Booking of Officers' Rest House
- Booking of Subordinate Rest House.
- Booking of institutes and Community halls.
- Arrangement of Contact for hiring of vehicles during administrative visit.
- Temporary Licensing of Land and religious purposes fair etc.
- Allotment of quarter to other Central Govt. / State Govt. / Private Institutions connected with working of Railways.
- Close co-ordination with the schools for decision making regarding day to day working of schools.
- Policy for admission of students.

## **CHAPTER – XII**

### **PUBLIC RELATIONS**

#### **1.1 General:**

Public Relation organization of Chittaranjan Locomotive Works made all efforts to project the image of Indian Railways in general and CLW in particular with full utilization of the National Press and other available media during the period from April, 2024 to March, 2025.

#### **12.2 Ceremonies & events:**

- The three day long 49th district rally and annual art and craft exhibition organized by Bharat Scouts and Guides Chittaranjan District ended successfully on April 14, 2024, at the Scout and Guide Den in Chittaranjan Locomotive Works (CLW).
- The 133rd Birth Anniversary of Bharat Ratna Dr Bhim Rao Ambedkar was observed in CLW on 15th April, 2024.
- World Environment Day was observed in CLW with various programs aimed at promoting environmental awareness on 05.06.2024.
- On the occasion of observance of World Environment Day tree plantation drive was organized on 08.06.2024 in the Officers Rest House / PC Mukherjee Bhawan premises in CLW.
- 10<sup>th</sup> International Day of Yoga 2024 with the theme "Yoga for Self and Society" was observed in CLW on June 21, 2024.
- The 78<sup>th</sup> Independence Day was celebrated in CLW, on 15.08.2024 with full patriotic fervour.
- On the occasion of Mahatma Gandhi's birth anniversary, Chittaranjan Locomotive Works (CLW) observed "Special Campaign 4.0 & Swachh Bharat Divas on 2nd October 2024.
- Vigilance Awareness Week is being observed in CLW from 28th October to 03rd November, 2024 on the theme "Culture of Integrity for Nation's prosperity.
- The 155th birth anniversary of Deshbandhu Chittaranjan Das, a prominent social reformer and freedom fighter, was commemorated with reverence and fervor at the CLW on 05.11.2024
- Constitution Day was observed in CLW on 26-11-2024.
- Mahaparinirvan Divas, commemorating the death Anniversary of Bharat Ratna Dr. Bhim Rao Ambedkar was observed in CLW, on 6th December 2024.
- The 76th Republic Day was celebrated with patriotic fervor in CLW, on 26th January, 2025.
- International Women's Day 2025 was celebrated in CLW at the Basanti Institute Hall on March 8, 2025.

#### **12.3 Important visitors:**

- Shri Satish Kumar, Member (Traction & Rolling Stock) Railway Board, visited Chittaranjan Locomotive Works (CLW) on 26th & 27th April, 2024.
- Shri Sanjay Kumar Pankaj, Additional Member (PU) Railway Board, CLW on 09.07.2024.
- Ms. Roopa Srinivasan, Member Finance, Railway Board/New Delhi & ex-officio Secretary to Government of India visited CLW on 12th January 2025.
- Shri Braj Mohan Agrawal, Member (Traction & Rolling Stock) Railway Board visited CLW on 22nd & 23rd January, 2025.

## 12.4 Press releases:

- 86 Press Releases were issued by the PR department along with press briefing at regular intervals, to disseminate information of the activities/events of CLW during April-2024 to March-2025.

## 12.5 Coverage of Press Release:

- KOLKATA/ASANSOL/ SILIGURI:- The Echo of India/ Kolkata – 34 news items, Morning India/ Kolkata- 37 news items, Arthik Lipi/ Kolkata- 03 news items,-Sanmarg/ Kolkata -02 news items,Dainik Vishwamitra / Kolkata -36 news items,-Info India/Kolkata-23 news items, Parikhit/Kolkata-44 news items,-The Statesman/Kolkata-04 news items. Banga Express/Asansol-03 news items, Bharat Mitra/Kolkata- 38 news items, Darpan of India/Kolkata- 43 news items, Samagya/Kolkata-11 news items, Prakash/Kolkata- 26 news items, Prabhu Rashtra/Kolkata-02 news items,-Chhapte Chhapte/Kolkata-02 news items,-Bharat Mitra/Kolkata-38 news items, Jug shnkha/Kolkata-02 news items,
- NEW DELHI/JAIPUR/RAIPUR/Jhansi: - Mahanagar Times/Jaipur- 43 News items, Impressive Times/Delhi-06 news items.
- DEOGHAR/RANCHI/ DHANBAD/DUMKA:- Dainik Bhaskar/Dhanbad-70 news items, Dainik Jagran/Dhanbad-70 news items, Hindustan/Dhanbad-52 news items,Indian Punch/Deoghar-33 news items, Prabhat Khabar/Deoghar-50 news items, Bihar Observer/Dhanbad-35 news items, Ganadesh/Dhanbad-05 news items, Prabhu Rashtriya/Dhanbad-01 news items, Dainik Navjyoti/Dhanbad-03 news items, Prata Awaz/Dumka-01 news items, Santhal hool/Dumka- 04 news items,
- MUMBAI:- Money/Mumbai-01 news items,

## 12.5 Publications:

### English Magazines:

- The Indian Railway Magazine in its May- June 2024 issue carried out “GM article annual issue :- CLW; a legacy of engineering excellence and national Pride.”
- The Indian Railway Magazine in its July 2024 issue carried out “Member traction and rolling stock visited Chittaranjan locomotive works,” & “CLW Achieved milestone of 100th locomotive of financial year 2024-25 roll out” & “CLW observed World environment Day.”
- The Indian Railway Magazine in its August 2024 issue carried out “GM inaugurated the CLW Built Loco Model at Chittaranjan Railway Station”.
- The Indian Railway Magazine in its November 2024 issue carried out “WAP- 5 Electric Locos for Amrit Bharat trains was flagged off at Chittaranjan Locomotive Works”.
- The Indian Railway Magazine in its December 2024 issue carried out “WAP-5 Aerodynamic Electric Locomotive Flagged off in CLW”.
- The Indian Railway Magazine in its January 2025 issue carried out “Best production unit shield RCF and CLW (jointly)” & “Shri Vijay Kumar Took over as General Manager of Chittaranjan Locomotive Woks” & “ELAAU Dankuni Unit of CLW Rolled Out 100<sup>th</sup> Electric Loco”.
- The Indian Railway Magazine in its March 2025 issue carried out “CLW Achieved the Highest Ever Loco Production in January 2025: Produced 66 Locos”.

### Hindi Magazines:

1. भारतीय रेल हिंदी मासिक पत्रिका के मई-जून 2024 के अंक में "महाप्रबन्धक महोदय का वार्षिक अंक आलेख, चिरेका ; इंजीनियरिंग उत्कृष्टता और राष्ट्रीय उड़ान की एक विरासत".
2. भारतीय रेल हिंदी मासिक पत्रिका के जुलाई 2024 के अंक में "सदस्य ट्रैक्शन और रोलिंग स्टॉक ने चित्तरंजन लोकोमोटिव वर्क्स का दौरा किया" & "सीएलडब्ल्यू ने वित्तीय वर्ष 2024-25 के 100 वें लोकोमोटिव उत्पादन का कीर्तिमान रचा" & "चिरेका ने विश्व पर्यावरण दिवस मनाया".
3. भारतीय रेल हिंदी मासिक पत्रिका के अगस्त, 2024 के अंक में " चिरेका के 75 गौरवशाली वर्ष के मौके पर चित्तरंजन रेलवे स्टेशन पर स्थापित लोको मॉडल का किया उद्घाटन"
4. भारतीय रेल हिंदी मासिक पत्रिका के सितंबर 2024 के अंक में "चिरेका में सीवेज ट्रीटमेंट और वर्षा जल संचयन".
5. भारतीय रेल हिंदी मासिक पत्रिका के नवंबर 2024 के अंक में "अमृत भारत ट्रेन के लिए पी-5 इलेक्ट्रिक इंजन को चित्तरंजन लोकोमोटिव वर्क्स में हरी झंडी दिखाई गई".
6. भारतीय रेल हिंदी मासिक पत्रिका के दिसंबर 2024 के अंक में "डब्ल्यूएपी 5 एयरोडायनामिक इलेक्ट्रिक लोकोमोटिव चिरेका से रवाना".
7. भारतीय रेल हिंदी मासिक पत्रिका के जनवरी 2025 के अंक में "सर्वश्रेष्ठ उत्पादन इकाई शील्ड आरसीएफ और सीएलडब्ल्यू को संयुक्त रूप प्रदान किया गया" & "श्री विजय कुमार ने चित्तरंजन लोकोमोटिव वर्क्स के महाप्रबंधक के रूप में पदभार संभाला" & "सीएलडब्ल्यू की ईएलएयू डानकुनी इकाई ने सौ इलेक्ट्रिक लोको बनाए".
8. भारतीय रेल हिंदी मासिक पत्रिका के फरवरी 2025 के अंक में "सदस्या वित्त रेलवे बोर्ड ने किया चिरेका का दौरा".
9. भारतीय रेल हिंदी मासिक पत्रिका के मार्च 2025 के अंक में "चिरेका ने जनवरी 2025 में अब तक का सबसे अधिक लोको उत्पादन हासिल किया, (66 रेल इंजनों का किया उत्पादन)".

## **CHAPTER-XIII**

### **RAJBHASHA**

#### **13.1 General:**

Chittaranjan Locomotive Works is situated in West Bengal, a non Hindi speaking area which falls under region 'C' as per the official languages (use for the official purpose of the Union) Rules, 1976 (as amended, 1987).

#### **13.2 Organization of Rajbhasha Vibhag:**

Now, in CLW, Hindi Organization is performing its functions under the supervision of Mukhya Rajbhasha Adhikari cum Chief Engineer and Rajbhasha Adhikari. The sanctioned staff strength of Rajbhasha Department is as follows:-

S. No.	Designation	Sanction Post	On Roll	Vacant
1.	Rajbhasha Adhikari	01	00	01
2.	Senior Translator	04	04	00
3.	Junior Translator	03*	01	02

\*Earlier, there were seven sanctioned posts of Junior Translator in CLW, among them 04 (Four) posts have been transferred or surrendered.

At present there are 02 (Two) posts lying vacant. Process is going on to fill the vacancies.

#### **13.3 Function of official Language Implementation Committee:**

An official Language Implementation committee (OLIC) runs under the chairmanship of General Manager which quarterly reviews the progressive use of Hindi in CLW. During the year four meetings of OLIC were organized. Efforts were made to achieve the target fixed for the progressive use of Rajbhasha in CLW/Chittaranjan as per Annual Programme.

#### **13.4 Inspection:**

Rajbhasha Adhikari with Senior Translator and Junior Translator conducted periodical inspections in different offices of CLW Administration with a view to accelerating the implementation of Official Language Act 1963 and Rules 1976.

#### **13.5 Documents issued under section 3(3) of official Language ACT - 1963(As amended 1967):**

During the year 2024-25, 10,948 nos. of documents were issued in diglot form, the percentage of which was 100%.

#### **13.6 Reply of letters received in Hindi:**

During the year 2024-25, 1147 communications, such as applications, appeals, letters etc. were received in Hindi. Out of it, 675 were replied in Hindi and the rest not required.



### **13.7 Use of originating Hindi Letter:**

Efforts were continued to encourage the staff of CLW to originate official correspondence in Hindi. During the period 2024-25, 7134 letters were originated and out of these 4358 letters were issued in Hindi for all the regions. Therefore, the percentage of originated Hindi letters is 61.08%.

### **13.8 Hindi Training:**

During the year, 16 staff in Hindi Praveen, 21 staff in Hindi Pragya and 23 staff in Hindi Parangat and 30 staff in Hindi Typing have been imparted training. Thus a total number of 90 staffs have been trained during the year 2024-25.

### **13.9 Celebration of Hindi Pakhwara:**

The Rajbhasha Pakhwara for the year 2024-25 was celebrated from 04.09.2024 to 23.09.2024. During the Pakhwara various Programmes and competitions were organized, such as :-

- Hindi Quiz Competition organized on 04.09.2024 for officers in meeting room of General Manager's Office/CLW/CRJ.
- Hindi Slogan Competition was organized on 05.09.2024, for Hindi and non-Hindi speaking employees/officers (up to JA grade) in Mahakavi Tulsidas General Library of General Manager's Office. Hindi typing competition on computer was organized on 05.09.2024, in the Technical Training Center for Hindi and non-Hindi speaking employees/officers.
- Hindi Dictation Competition organized on 06.09.2024 for non-Hindi speaking employees in Mahakavi Tulsidas General Library of GM Office/CLW/CRJ.
- Swarachit Hindi Kavya Path Competition organized on 09.09.2024 for CLW employees.
- Hindi Quiz Competition organized on 10.09.2024 for employees in Technical Training Centre/CLW/CRJ.
- Hindi Quiz Competition organized on 11.09.2024 for officers in GM Office/CLW/CRJ.
- Cultural program and prize distribution were organized on the occasion of closing ceremony of Rajbhasha Pakhwada, 2024 on 23.09.2024 at Badhwar Hall of Technical Training Center CLW/Chittaranjan.

### **13.10 Zonal Level Competition:**

During the year 2024-25, Zonal Level, Hindi Elocution Competition on 16.07.2024, Hindi Noting & Drafting Competition were organized on 18.07.2024 and Hindi Essay Competition were organized on 23.07.2024 for both Hindi and non-Hindi speaking employees. First awardees of these competitions will represent CLW in the competitions to be held at all Indian level competition.

\* Earlier, the Railway Board organized the Hindi essay, elocution and noting and drafting writing competition at all railway level for the year 2023 from 18.06.2024 to 22.06.2024 at Bhusaval, Maharashtra. In that competition, Mr. Kalyan Mukherjee, Clerk-II got the first position in the Hindi elocution competition.

### **13.11 Publication of Ajay Dhara Magazine.**

With a view to increasing the progressive use of Rajbhasha in day to day official work and developing up writing talents of Officers and staff of CLW, a Hindi Magazine "Ajay-Dhara" is published twice during the year and distributed in and out of CLW.

Our endeavour is to achieve the target fixed for progressive use of Hindi in 'C' region.

## LAND MARKS

1947	September	Site for Chittaranjan Locomotive Works located.
1948	March	Construction work started.
1948	April	Workshop Set up.
1950	26 <sup>th</sup> January	Production inaugurated by Smt. Basanti Devi, Wife of Late Chittaranjan Das.
1950	1 <sup>st</sup> November	Namkaran Ceremony of the works by President of India, Dr. Rajendra Prasad, when the first steam locomotive was turned out and flagged off from CLW.
1951	12 <sup>th</sup> February	KG Hospital formally opened by his Excellency Dr. K.N.Katju, Governor of West Bengal.
1952	1 <sup>st</sup> to 2 <sup>nd</sup> March	Prime Minister of India, Pandit Jawaharlal Nehru visits Chittaranjan accompanied by Dr. B.C.Roy, Chief Minister of West Bengal.
1952	21 <sup>st</sup> October	Railway Minister Shri Lal Bhahadur Shastri visits Chittaranjan.
1953	10 <sup>th</sup> October	Dr. Sarvapalli Radhakrishnan, Vice President of India, visits Chittaranjan .
1955	28 <sup>th</sup> November	Visit of their Majesties the King ,Tribhuvan Bir Bikram Shah and Queen of Nepal .
1955	17 <sup>th</sup> December	Visit of their excellences' Mr. N.A.Bulganin and Mr. N.S.Khrushchev from Russia.
1956	14 <sup>th</sup> November	Visit of His Imperial Majesty, Mr. Haile Selassie, Emperor of Ethiopia.
1956	12 <sup>th</sup> December	Visit of Mr. Chou en lai the Prime Minister of People's Republic of China.
1957	13 <sup>th</sup> January	Visit of their Holinesses , the Dalai Lama and the Panchen Lama.
1958	18 <sup>th</sup> March	Visit of Mr. Churu Stoika, Prime Minister of Rumanian People's Republic.
1958	20 <sup>th</sup> November	Visit of Mr. Marcel Roberts, Chief Occupational Safety & Health Division, International Labour Organisation.
1961	January	Steel Foundry set up.
1961	14 <sup>th</sup> October	First CLW built WCM-5 DC Electric Loco "LOKMANYA' commissioned by Pandit Jawaharlal Nehru.
1962	October	Electric Loco Shop Set up.
1963	16 <sup>th</sup> November	First CLW built WAG-1 25 KV AC Electric Loco "BIDHAN" commissioned by Pandit Jawaharlal Nehru.
1967	16 <sup>th</sup> April	Chittaranjan builds its First Traction Motor, the largest in India, at that time.
1968	6 <sup>th</sup> January	First CLW built Diesel Hydraulic Shunter "INDRAPRASTHA" commissioned by Shri C.M.Poonacha, the then Railway Minister.
1972	30 <sup>th</sup> January	First CLW Built WCAM-1 AC/DC Dual Voltage electric Locomotive "Vallabh" commissioned by Shri Sidhartha Shankar Ray, the then Chief Minister of West Bengal.
1980	1 <sup>st</sup> October	First Rajdhani Electric Loco WAP-1 commissioned.
1992	3 <sup>rd</sup> August	1 <sup>st</sup> 5000 hp High Adhesion WAG – 7 Electric Locomotive "SHANTIDAN" christened by Mother Teresa, Missionaries of Charity.
1993	6 <sup>th</sup> April	Last BG Diesel Shunter "VIRAM" of the year and NG Diesel Locomotive "ITP" of the year 1992-93.
1994	23 <sup>rd</sup> January	WAP-1 Electric Loco "PRAGATISHEEL" provided with Hitachi Traction Motor.
1994	27 <sup>th</sup> August	First 5000 hp WAP-4 Passenger Locomotive "ASHOK" flagged off.
1996	13 <sup>th</sup> July	ISO-9001 certification awarded to Loco Works by IRQS.
1996	8 <sup>th</sup> August	ISO-9002 certification awarded to Steel Foundry by IRQS.
1996	14 <sup>TH</sup> Sep	First Modular WAG-7 Loco KARAMVIR Flagged.
1996	27 <sup>th</sup> Dec	First 3 phase 6000 hp WAG-9 Locomotive (CKD/SKD) flagged off from CLW.

1998	14 <sup>th</sup> November	WAG-9, the first CLW built indigenous 3 phase state-of-the-art 6000 hp Freight Electric Locomotive “NAVYUG” inaugurated by the Hon’ble Minister for Railways by Shri Nitish Kumar.
1999	10 <sup>th</sup> January	First batch of 6 nos. of CLW built 1000 hp Traction Motors for WAG-9 inaugurated by Shri K.Balakesari, Member Staff.
2000	24 <sup>th</sup> February	The first CLW built 3-phase traction motor type 6 FXA-7059 for WAP-5 locomotive inaugurated.
2000	10 <sup>th</sup> May	“NAVKIRAN” the first WAP-7 locomotive rolled out of CLW.
2000	17 <sup>th</sup> May	“NAVODIT” the first CLW built WAP-5 locomotive rolled out of CLW.
2000	30 <sup>th</sup> June	“NAVSHAKTI” the first WAG-9H locomotive was rolled out of CLW.
2002	26 <sup>th</sup> April	ISO-14001 certification awarded to CLW by IRQS.
2003	6 <sup>th</sup> April	“NAVCHETAK” the CLW built WAP – 7 type Locomotive flagged off by Hon’ble MOSR(A)Shri A.K.Murti.
2003	2 <sup>nd</sup> & 3 <sup>rd</sup> August	“NAVGHANSHAKTI” the CLW built WAG-9 type locomotive flagged off by ML/RB,Shri S.C.Gupta.
2003	25 <sup>th</sup> Sept.	ISO-9001-2000 certification awarded to CLW for quality Management system.
2004	10 <sup>th</sup> Jan.	“NAVGATI”, the CLW built WAP-7 locomotive flagged off by Addl. ML/RB.
2006	29 <sup>th</sup> July	CLW built new locomotive type WAG-9 & WAG-9H with Satellite Remote Diagnosis System “Dr. Silver” inaugurated by Shri Laloo Prasad, Hon’ble MR.
2007	23 <sup>rd</sup> March	Flagging off of 100 <sup>th</sup> WAG-9 loco “NAVPRAGATI”.
2010	4 <sup>th</sup> October	Inauguration of first fully IGBT based three phase locomotive.
2015	07 <sup>th</sup> Aug	Inauguration of last WAG-7 Shell in CLW.
2017	20 <sup>th</sup> May	900th WAG-9H Loco (31900) flagged off.
2017	1st Jun	1st Electric Loco (31952) WAG-9H with Vacuum toilet & Bio Digester was
2018	16 <sup>th</sup> Jan	ISO-50001 Energy Management System was awarded to CLW.
2018	19 <sup>th</sup> Apr	CLW receives best production unit shield award from Railway Minister.
2018	24 <sup>th</sup> Oct	CLW produces first WAP-5 loco with aerodynamic design capable to run at 200
2018	26 <sup>th</sup> Dec	9800th loco inaugurated in CLW.
2019	27 <sup>th</sup> Feb	New version WAP-7 loco of 160 kmph flagged off .
2019	25 <sup>th</sup> October	Chittaranjan Locomotive Works (CLW) produced 7000th electric locomotives.
2019	14 <sup>th</sup> December	CLW had been adjudged Second by the NECA( National Energy Conservation Award) of BEE ( Bureau of Energy Efficiency) amongst the Railways Production Unit Sector.
2020	13 <sup>th</sup> March	Despatch of 2500th 3-Phase Loco from CLW
2020	25 <sup>th</sup> April	Successful trial of 9000HP ,WAG-9HH loco at 100KMPH
2020	10 <sup>th</sup> May	CLW built WAP-7 loco completes 20yrs
2020	2 <sup>nd</sup> Oct	CLW produced Tejas Express locos for push-pull operation with aerodynamic design capable to run at 160 KMPH
2021	25 <sup>th</sup> Jan	CLW rolled out 7500th electric locomotive
2021	26 <sup>th</sup> October	Interactive Electronic Technical Manual (IETM) launched in CLW built locomotives.
2021	31 <sup>st</sup> Dec	CLW produces record 467 locos in the Calendar year 2021. This is the best ever production figure in any 1 calendar year.
2022	22 <sup>nd</sup> March	CLW conferred with IRIS Certification based on ISO/TS 22163:2017 by DNV Business Assurance Zertifizierung GmbH for Design, Development & Manufacturing of Electric Locomotives etc.
2022	25 <sup>th</sup> March	Dankuni Unit of CLW (ELAAU/Dankuni) has flagged off 250th Locomotive since its Inception in 2014.

2022	31 <sup>st</sup> March	Chittaranjan Locomotive Works (CLW) achieved the highest ever scrap sale of Rs. 21.82 Cr against Railway Board's target of Rs. 18 Cr.
2022	31 <sup>st</sup> March	Chittaranjan Locomotive Works achieved a remarkable accomplishment by producing highest ever 486 Locomotives in Financial Year 2021-22 against the Railway Board's production target of 485 locos.
2022	28th May	Chittaranjan Locomotive Works has been felicitated with Best Production Unit Shield for exemplary performance during the year 2021-22 during the 67th National Railway Week-2022 held on at Bhubaneswar
2022	24 <sup>th</sup> November	Electrical loco Assembly and Ancillary Unit (ELAAU) Dankuni of Chittaranjan Locomotive Works (CLW) has witnessed another history in the making by turning out 300th electric locomotive since its inception in 2014
2023	21st Feb	CLW Administrative Building received prestigious "IGBC GREEN EXISTING BUILDINGS GOLD RATING" by CII.
2023	28th March	CLW Sets New Record by Producing 12 Electric Locomotives in single Working Day.
2023	13 <sup>th</sup> August	Electrical Loco Assembly and Ancillary Unit (ELAAU) Dankuni of Chittaranjan Locomotive Works has scripted history by producing 350 electric
2023	28 <sup>th</sup> September	CLW achieved another milestone by producing 12000th locomotive.
2023	30 September	CLW manufactured Push-Pull locomotives Amrit Bharat trains became operational.
2023	31 <sup>st</sup> October	The 1st WAG-9 Twin locos flagged off.
2024	31 <sup>st</sup> March	CLW recorded highest ever production figure by producing 580 locomotive in FY 2023-24.
2024	30th May	CLW manufactured first 100 locos in 50 working days in FY 2024-25, which is the fastest first 100 locos produced in any FY. The 100th locomotive of this FY rolled out on.
2025	24 <sup>th</sup> March	Electrical loco Assembly and Ancillary Unit (ELAAU) Dankuni of CLW has witnessed another history by turning out 150 electric locomotives in the financial year.
2025	30 <sup>th</sup> March	CLW achieved a remarkable milestone by producing 700 locomotives, setting a new all-time record just a day before the close of the financial year.

**SALIENT FEATURES AS ON 31.03.25**

**PRODUCTION**

Number of Electric Locos turned out	700 Nos.
Number of Traction Motor	1732 Nos.
Tonnage cast steel	2269.68 MT

**CUMULATIVE PRODUCTION OF LOCOMOTIVES SINCE INCEPTION**

Steam	2351 Nos.
Diesel	842 Nos.
Electric	<u>9777 Nos.</u>
<b>Total</b>	<b>12970 Nos.</b>

**FACTORY**

Workshop Area	101.26 Hectare
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**STAFF**

GROUP 'A'	84
GROUP 'B'	77
GROUP 'C'	6739
GROUP 'D'	1228
<b>Total</b>	<b><u>8138</u></b>

**TOWNSHIP**

Total area	1819.50 Hectares
Length of Road	204.7 km.
Residential Quarters	8948 nos.
Hospitals	01 no.
Health Units	05 Nos.
Community Halls	08 nos.
Open Air Theatre	01 no.
Cinema Halls	01 no.
Indoor stadium	01 no.
Golf course cum Environment park	01 no.
Football stadium	03 nos.
Markets	08 nos.
Clubs	01 no.
Marriage Hall	01 no.
Institutes	04 nos.
School (Rly.)	06 nos.
Schools (Non-Rly.)	07 nos.
Kendriya Vidyalaya	01 no.
Private Schools	02 nos.
Deshbandhu Mahavidyalaya	01 no.
Technical Training Centre for Trade Apprenticeship	01 no.
Electric energy consumption : (in lakh units/year)	363.90 Lakh KWH