



भारतीय रेल / Indian Railways
बनारस रेलइंजन कारखाना
Banaras Locomotive Works
वाराणसी-221004, भारत/Varanasi-221004, India

• ISO 9001 : 2015
• ISO 14001 : 2015
• ISO 45001 : 2018
• ISO 50001 : 2018
• ISO 3834-2: 2005
• NABL Accreditation
• ISO 22163 - IRIS Certification
• SS Workplace Management System



No: M/Gen./055

Office of the
Dy.CME/Planning
Date: 25.02.2023

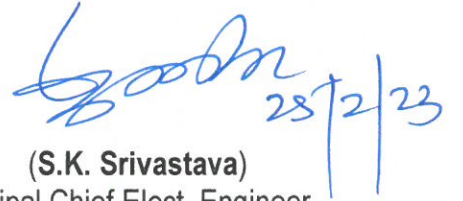
Director Mech. Engineering (PU),
Railway Board,
New Delhi.
(Email: dmepu@rb.railnet.gov.in, ir.pu.pcdo@gmail.com)

Sub: BLW's Data for 'Best Production Unit Shield' 2022-23.

Ref: 1. Railway Board's letter no. 2022/M(PU)/1/6 dated 14.02.2023.
2. Railway Board's letter no. 2017/M(PU)/1/7 dated 15.02.2018.

In reference to the Railway Board's letters above, criteria wise brief remarks on '**Performance of BLW**' for the year 2022-23 as compared to FY 2021-22 is enclosed.

DA: As above (in 47 pages)


(S.K. Srivastava)
Principal Chief Elect. Engineer



बनारस रेलइंजन कारखाना, वाराणसी

Banaras Locomotive Works, Varanasi

(An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, ISO 3834-2:2005, ISO/IEC 17025:2017 NABL Accreditation, ISO 22163:2018 IRIS and 5S certified Organization)



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

Sub: Data for 'Best PU Shield 2022-23'.

Ref: 1. Railway Board's letter no. 2022/M(PU)/1/6 dated 14.02.2023.
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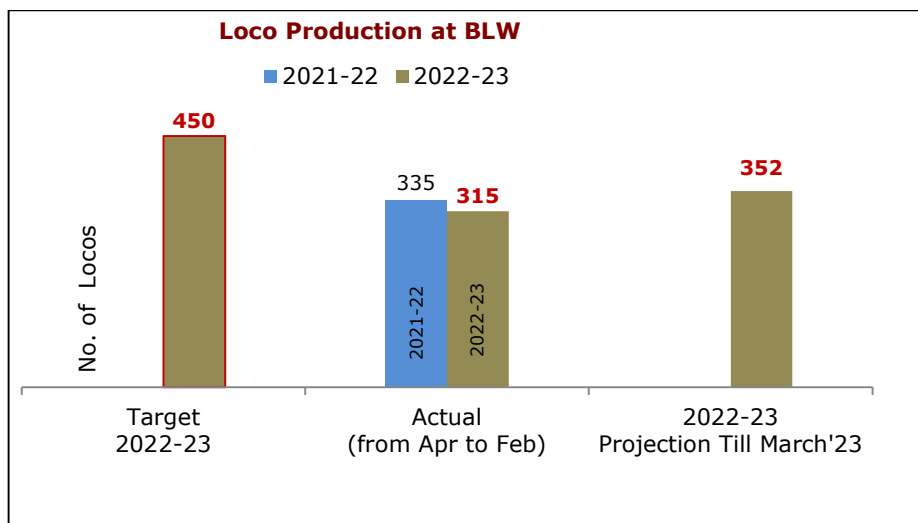
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1. Production Outturn

i) Overall Production:

During FY 2022-23 BLW has manufactured 315 locomotives till Feb'2023. This includes 312 electric, 2 NRC and 1 export locos:



- BLW could manage to produce only 283 WAG9 Locomotives against proportionate figure of 375 Locos till January'22, creating a shortfall of 92 Locos to meet Target of 450 Locos in FY2022-23. Short supply of main critical materials is the reason of less production vis-à-vis monthly target. Status of critical items supply is tabulated below:

ACTUAL SUPPLY												
Item Description	Apr. 22	May. 22	Jun. 22	Jul. 22	Aug. 22	Sep. 22	Oct. 22	Nov. 22	Dec. 22	Jan. 22	Total Received	Average Supply Rate/Month
Propulsion Sys	25	30	28	19	33	36	32	24	22	42	291	29.1
Traction Motor	16	37	26	25	33	37	37	49	53	34	347	34.7
Shell Assembly	22	22	29	20	21	27	23	34	54	30	282	28.2
Transformer	20	25	31	38	35	36	45	51	60	44	385	38.5
Pinion	21	38	16.5	39	56	32	13.5	54	46.5	15	331.5	33.2
Bull Gear	26.5	24	22.5	20.5	14	17	44.5	51.5	86	50	356.5	35.7
Wheel	19	29	20	20.5	35.5	25	24	54.5	102	32	361.5	36.2
Axle	71	27	45	19	27	27	28	26	62	31	363	36.3

- From the above, it is clear that supply of the Propulsion system is the main constraint in achieving the target and Propulsion systems is still an area of concern. Even for production in Feb'23, only 29 Propulsions could be managed till 24th Feb. However **As on date 30 locos are ready in all respect wheel up on bogie waiting for Propulsion System.**

ii) Other components' production performance:

- **Highest ever in house 52 loco sets motorised bogies (104 nos.) Production for a month** is achieved in Nov 2022 by Truck Machine Shop (TMS).
- **Highest ever in house per month production of 25 loco sets cable Harness** has been achieved in July2022. Further target of 150 loco set cable Harness has been achieved in Dec 2022 which is three months in advance from the target period.
- **Loco Fabrication has achieved Highest ever production of 8 Shell Assemblies in in two consecutive months** of October2022 and November 2022.
- **Block Division-** Performance for FY 2022-23:

Type of Rolling stock/ Items	Targets (FY2022-23)	Prop. Target (till date)	Achieved (till date)
Bogie Frame Assembly	150 (75 Loco/Set)	132 (66 Loco/Set)	134 (67 Loco /Set)

In production of bogies BLW is ahead of the proportionate target.

- **Engine Division-** Performance for FY 2022-23:

Manufacturing of Power Pack and overhauling of TSC & TCA.

SN	Type of Rolling stock/ Items	Targets (FY2022-23)	Prop. Target (till date)	Achieved (till date)
1	HHP TSC (Overhauling)	350	311	317
2	Turbo Clutch Assembly (Overhauling)	500	444	450
3	HHP Power Pack (RSP)	01	--	01
4	WDG3A Power Pack (NRC)	04	--	03
5	HHP Power Pack (NRC)	02	--	02
6	WDS6 Power Pack (NRC)	01	--	01
7	Mozambique Power Pack	01	--	01

- **Quality:**

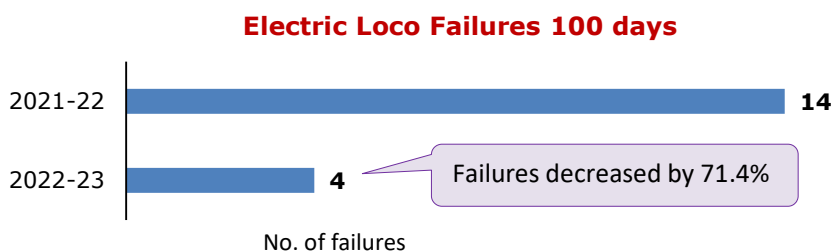
Warranty claim settled till date in current FY:

HHP Turbo Supercharger	HHP Turbo Clutch Assembly	Power Assembly
68	26	32

2. Quality

A) Performance vis-à-vis previous year on failures reported by Zonal Railways:

Electric Loco Failures 100 days		
Period (April – January)	No. of failures	Remarks
2021-22	14	Failures decreased by 71.4%
2022-23	04	



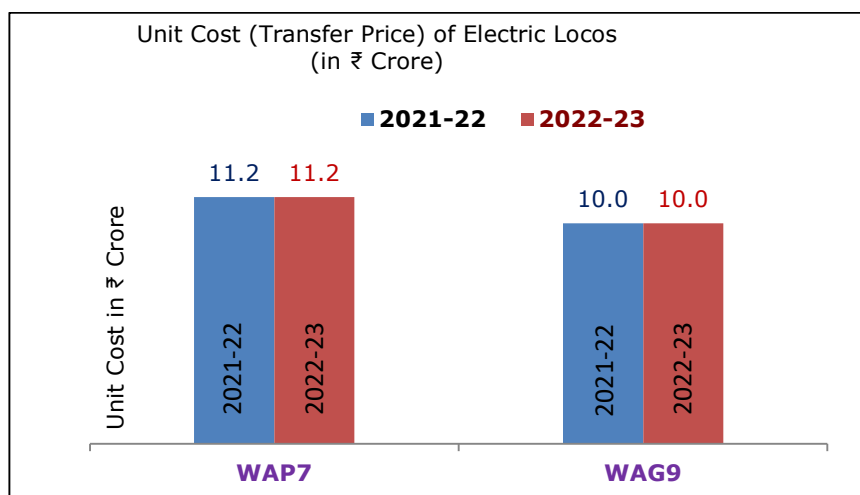
B) Settlement of Warranty Claims made by Zonal Railways:

performance index	Criteria for awarding marks proposed	2021-22	2022-23	Remarks
Quality	A) Performance vis a vis previous year on failure reported by Railways	2779	2173 (UP to 21.02.2023)	14.6% less failures reported by Railways
	B) Settlement of warranty claims made by Zonal Railways	2992	2716 (UP to 21.02.2023)	-

3. Economy Measures

A) Reduction in Unit cost of Locomotives:

- i) Following measures resulted in stabilization of unit cost of loco despite increase in wages and inflation:
- Re-deployment of staff engaged in diesel locos after imparting training.
 - Critical review of manpower requirement
 - Re-engineering process flow.
 - Modify machines involved in diesel loco component production for electric loco component manufacturing.
 - Reduction in overheads by:
 - Implementation of financial norms in vetting of proposals.
 - Strict monitoring of cash out flow
 - Reduction in avoidable expenditures
 - Reduction in expenditure due to in-house maintenance of machines



(Ref: Accounts/BLW letter no. A/CA/16/Pt-III dated 20.09.2021.)

- ii) **Spares supplied to ZRs: More spares** have been supplied in current FY than previous year despite reduction of target.

	2021-22			2022-23		
	Target	Actual	Total value (in ₹Cr)	Rly. Bd. Target	Actual	Total value (in ₹Cr)
TSC (in nos.)	390	213	35.42	350	317	49.36
TCA (in nos.)	585	257	5.55	500	489	10.02
Power Pack	--	--	--	1	1	--
Other BIM items (in Crore of Rupees)	--	--	61.6	--	--	101.19
Total (in ₹Crore)	--	--	102.57	--	--	160.57

- Major M&P repair work by in-house facilities in FY22-23 saved approx. ₹128 Lakh till Jan-23.

- **Jig/Fixtures dispatched to Z.Rlys/PUs:** Apart from full-filling in-house requirements, Jigs/Fixtures manufactured and dispatched to Z.Rlys/PUs in current FY of ₹35.68 lakh.
- **Modification in Engine test bed no. 2:** Air exhaust and Inlet duct of engine test bed no. 2 has been modified and commissioned as per drawing No. M1756M1239 to fulfill requirement of newly developed high efficiency ABB make Turbo super charger TPS-52 by in-house facilities.
- **Reduction in AMC Expenditure:** Service Engineering division had already taken action in previous financial year for reduction in AMCs, which resulted a reduction of AMC expenditure by 2.77% in year 2022-23 over year 2021-22 (till Jan).
- Key way depth of support assembly for TSC (60 Nos) has been modified to meet crisis of support assembly. There is a saving of ₹5.37 lakhs.
- Modification of arrangement for SAW weldment of bogie side frame on SAW welding Fixture Drg No. FW03EL0304 has been made. This has ensured full welding of side frame in one pass. This modification leads to improvement in welding quality, distortion and productivity.

B) Electrical Energy Consumption per Equated Unit:

i) Comparative energy used:

Electrical Energy Consumed (Grid) per equated unit (KWH/Loco)		Remarks
2021-22 (April-21 to Jan-22)	2022-23 (April-22 to Jan-23)	
53746	64170	<p>➤ Reason for high energy consumption per equated unit in year 2022-23 (Apr-22 to Jan 23) is full working of workshop as well as township, as in year 2021-22 Apr-21 to June-21 corona was in peak and major production activities and social activities of township were closed.</p> <p>➤ However, if the Corona free period of year 2019-20 (Apr-19 to Jan-20) is compared with the year 2022-23 (Apr-22 to Jan-23), the % saving in year 2022-23 (Apr-22 to Jan-23) is 15.12% higher than same period of year 2019-20.</p>

ii) **Additional Achievements:** BLW has first time bagged the prestigious Energy Conservation Award for the best unit in Workshop sector in UP on dated 14.12.2022 through Open Competition by the UPNEDA for achieving 20.70% specific energy consumption in year 2021-22 w.r.t. 2020-21.



C) Inventory Turnover Ratio:

SN	Financial Year	TOR (%)	
		Target	Achieved
1	2021-22	(-)2.57 (F.M.)	(-)2.98
2	2021-22 up to Jan-22		(-)1.00
3	2022-23 up to Jan-23	(-)1.64 (R.G.)	(+)15.89*

* Production target of BLW for the year 2022-23 is 450 WAG9 and 50 WAP7. Stores Department has arranged all the materials according to this target except Propulsion. Therefore, actual production of WAG9 and WAP7 could not be achieved as per proportionate production target. For this reason, the closing balance i.e., ₹493.52 crore at end of January'2023, has exceeded against last year's closing balance figures at end of January'2020 i.e., ₹ -27 crore (figures as per accounts control statement, includes suspense figures).

D) Funds Booked under PH21, PH41 & PH42 as % age of Budget Grant:

(Figures are in ₹ Cr)

Expenditure well within allotment

Plan Head	FY 2021-22 (April to January)					FY 2022-23 (April to January)				
	BG	RA	Expenditure	% of BG	% of RA	BG	RA	Expenditure	% of BG	% of RA
PH-41	8.80	8.98	5.89	66.93	65.59	10.99	6.36	2.80	25.48*	44.02
PH-42	1.66	2.60	0.73	43.98	28.08	2.37	13.92	2.32	97.89	16.67
PH-21	Not operated in BLW									

BG: Budget Grant RA: Revised Allotment

- * i.) Less allotment of fund in RRSK allocation (₹1.55 Cr) against requirement of ₹3.12 Cr (for CNC Axle Turning Lathe). Additional fund of ₹1.60 Cr has been projected in FME. After allotment total ₹3.12 Cr expected to be booked by end of March'23.
- ii.) Tenders of major 03 M&P are not finalized (COFMOW & BLW).
- iii.) Cases of 04 major M&Ps have been dropped.

4. Occupational Health & Safety

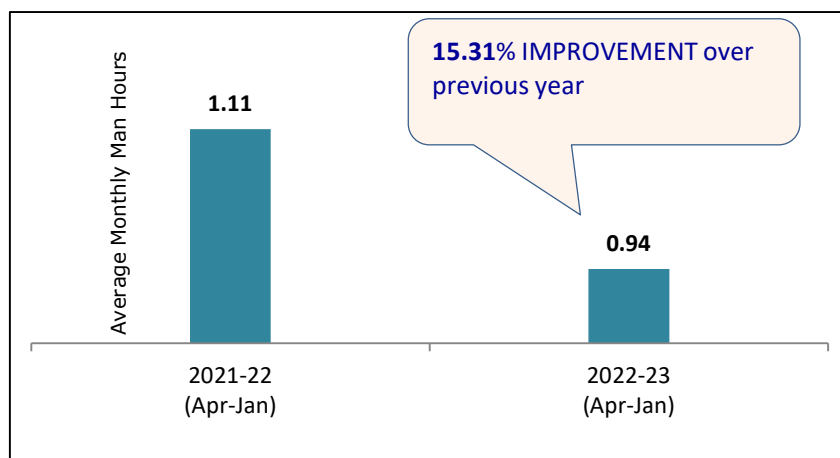
BLW has made integrated Quality, Health, Environment and Safety Policy. In conformance to provision/ requirements of OHSAS Management, BLW is having certificate of ISO 45001:2018 (**Occupational Health and Safety Management System**) since 2005.

A) Number of Accidents:

This year too BLW was an accident-free year for the 4th consecutive year:

2021-22 (Apr-Jan)	2022-23 (Apr-Jan)
Nil	Nil

B) Average Monthly man-hours lost due to IOD cases/100 staff: 15.31% IMPROVEMENT over previous year



C) Supply and use of Personnel Protective Gears and Equipment:

BLW has formulated "Schedule of Safety Equipment and Protective Clothing" wherein 37 safety items (i.e., PPE's) have been listed with their scale of issue for the purpose of safety of workers and the position is reviewed regularly.

All 37 Personnel Protective Equipment (PPE) as per latest European Norms /Indian Standards specifications are made **100% available and being used**.

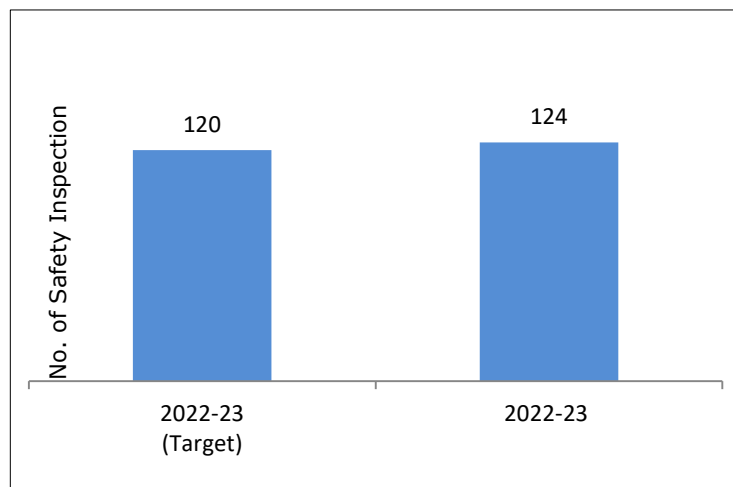


D) Safety seminars:

- Plant safety inspections were carried out on regular basis to identify unsafe act and unsafe condition. Details of which are as under:

Plant Safety inspection for identification of unsafe Act +Unsafe Condition		
No. of Safety Inspection 2022-2023 (Target)	No. of Safety Inspection conducted 2022-2023	Remark
120	124	03.22% improvement over target

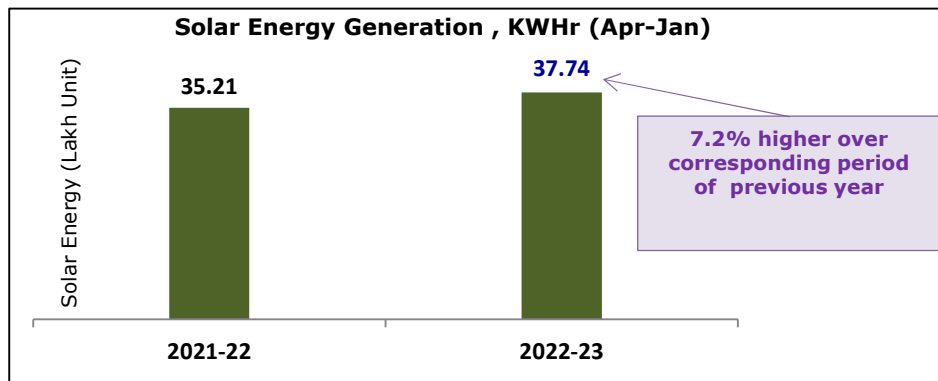
- Total number of safety inspections conducted have increased from 120 to 124 this year resulting an avoidance of large number of unsafe condtions have been eliminated.
- Comparision is as under-



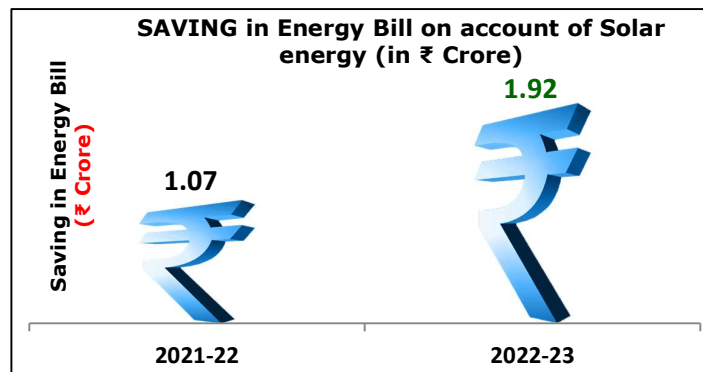
5. Environment Management

A) Development of Alternative Sources of Energy (Solar Power):

- i) BLW has a total of 3.859 MWp Roof top Grid connected Solar installed capacity.
- ii) Renewable (Solar) energy generation in FY 2022-23 is **7.2% HIGHER** over corresponding period of previous year (Apr-Jan).



- iii) The **percentage share** of solar energy over the total energy consumption is **20.57%** (Apr-22 to Jan-23)
4. The saving on account of enhanced solar energy generation in year 2022-23 (up to Jan-23) is ₹1.92 crore in comparison to same period of year 2021-22 which was ₹1.07 crore.



B) GreenCo Rating:

DLW obtained GreenCo Silver Rating under the GreenCo Green Company Rating System and became the first production unit on IR having this certification.

BLW is in the process of obtaining Re-Certification.

BLW is ISO 14001:2015 (Environment Management System certified).



C) Scrap Management:

(All values in ₹ Crore)

2021-22				2022-23		
Target	Achieved up to March-22	Proportionate target up to Jan-22	Achieved up to Jan-22	Target	Proportionate target up to Jan-23	Achieved up to Jan-23
8.00	11.104	6.66	6.597	10.00	8.333	10.232

BLW has surpassed the target set by Railway Board for 2022-23 in Jan'23 itself.

D) Rain water harvesting, Water recycling, Water conservation and management:

i) Rain Water Harvesting:

Approx. 44000 sqm roof top area of has been covered under RWH.

- One pond of 31000 KL capacity has been created to sort out the issue of water logging in Kanchanpur colony during rainy season. Apart from this, it will also ensure recharge of Ground water. Stone pitching has also been done around the pond.
- 50 deep recharge wells in colony
- 8 nos. water bodies connected to storm water drains
- 5 abandoned tube wells converted into recharge wells



ii) Water recycling

- 1342 Million Liter water is recycled during 2022-23 till Jan'2023 by STP.
- Recycled water is used for irrigation of road side lawns, bungalows lawn/ garden, filling of water bodies at Surya Sarovar, Tagore Park and Golf course.



iii) Water conservation & management:

- Motorised Gate valve have been provided along with automation of Pumps.

E) Effluent treatment pollution control and waste management:

- Industrial Effluent Treatment Plant (IETP)** for treating contaminated & mixed Petroleum oil and Lubricants (POL) of **3 MLD capacity**.
- Approx. 30 litres of oil and grease is separated during FY 2022-23.



- **Sewage Treatment Plant (STP):** For treatment of discharged human waste of 12 MLD (Million Litres per day) capacity. In STP approx. 4.47 million litres of water is being recycled every day.
- The treated water is released for agricultural and gardening purposes.
- The digested bio-manure as sludge dried is used as fertilizer for horticultural purpose.
- One water recycling plant commissioned at 'Surya Sarovar' of 0.25 MLD capacity.
- One water recycling plant commissioned at Golf Course of 0.25 MLD capacity.
- **Online monitoring of STP and IETP:** Performance of STP and IETP for data pertaining to BOD, COD, pH, TSS and oil content is continuously monitored online 24x7, round the year.

None of sewage, whether treated or untreated, is discharged into Holy River Ganga.

Pollution control:

- **Tree Plantation:** 3410 nos. up to Jan-23 in 2022-23
- **Dry leaf cutting machines:** One power operated and one manually operated, portable, compact and user-friendly dry leaf cutting machine has been designed and manufactured in-house by Service Engineering Division. These machines are very useful for converting dry leaf large volume heaps into small volume heaps which can be further used for making organic manure.
- BLW boasts of a green area of 40% of its total area having more than one lakh small & big trees.
- Release of CO₂, CO, SO₂, NO₂ and particulate matters in flue gas through different stacks is regularly monitored and kept within the limit prescribed by Central and State Pollution Control Board.
- Use of pictures for worship of Lord Vishwakarma on "Vishwakarma Pooja" instead of clay idols.
- Waste generated from the residential area is segregated as solid waste and biodegradable waste. Solid waste is dumped at locations nominated by municipality. Biodegradable waste is dumped in the pits for composting. Debris are used to fill the low-lying area.
- 100 kg/hour capacity incinerator is functioning to dispose-off paint sludge, oil-soaked jute, oil saw dust, paint-overall, lube & fuel oil.



100 kg/hour capacity Incinerator

6. Certifications

Following certifications are remained alive at BLW:

A. ISO 22163:2018 IRIS Certification:

International Railway Industry Standard is organizational level certificate which includes information on topics specific to railway industry. The IRIS initiative is led by UNIFE and aims to secure higher quality in the rail sector through developing and implementing global systems for evaluation of companies supplying to the railways.



BLW has been awarded IRIS Re-Certification and is valid until 11.12.2025.

B. 5 S Certification

The 5S Method is a structured programme to implement workplace organisation and standardization. 5S improves safety, work efficiency, productivity and ownership.

BLW has 5S certificate valid till 12.08.2024.

C. ISO 3834-2:2005 Certification

ISO 3834-2:2005 provides criteria to be considered for the selection of the appropriate level of quality requirements for Fusion Welding of Metallic Materials.

BLW has ISO 3834-2:2005 valid up to 25.08.2023.

D. ISO 50001: 2018

ISO 50001 is based on the management system model of continual improvement also used for other well-known standards such as ISO 9001 or ISO 14001. This makes it easier for organisations to integrate energy management into their overall efforts to improve quality environmental management.

BLW has ISO 50001 certificate valid till 17.01.2024.

E. ISO 9001:2015

ISO 9001:2015 specifies requirements for a quality management system by ensuring organizational ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements. It aims to enhance customer satisfaction through effective application of the systems ensuring the repeatability and traceability of the quality standards.

BLW has valid ISO 9001:2015 certificate till 28.06.2024

F. ISO 14001:2015

ISO 14001:2015 is intended for use by an organization seeking to manage its environmental responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.

BLW has valid ISO 14001:2015 certificate till 28.06.2024.

G. ISO 45001:2018 (OHSMS)

The OHSAS standard is applicable to identify eliminate or minimize the risk to employees who could be exposed to OH&S hazards associated with activities at workplace.

This certificate is valid till 28.06.2024.

H. ISO/IEC 17025:2017 NABL Accreditation

NABL, being an accreditation body grants accreditation to Testing and Calibration laboratories based on ISO/IEC 17025. The certificate is issued for technical capability, quality of testing done by the laboratories.

BLW has ISO 17025 valid up to 05.03.2024.

7. Industrial Relations

A) Staff Council Meetings:

Staff council meetings have been organized and issues raised by them have been resolved properly. The comparative chart of meetings with Staff Council, SC/ST & OBC Associations is as under:

Description	2021-22	2022-23 (till Feb'23)
BLW Staff Council Meeting	03	03
BLW SC/ST Association Meeting	02	02
BLW OBC Association Meeting	02	02

Staff Council Election due in the month of Jan'2023, have been successfully conducted and new Staff Council body has been constituted within time.

B) Relationship of Staff with Management:

- Relation between staff and management is very amicable and cordial.
- No industrial unrest took place during the financial year and not a single hour of work was lost due to excellent & healthy Industrial relation.

C) Staff Grievance Re-dressed:

During the FY-2022-23 (up to Feb'23), grievance redressal position is as under:

Source of Grievance	Received	Disposal	%age
ESS (HRMS)	1204	1192	99%
VIP References (MP/MLA/PMO)	13	13	100%
CPGRAM	93	93	100%
GM Complain Box	18	18	100%
Grievance received through HRMS	55	43	78%

8. Welfare

A) Staff Canteen, Toilet and Rest Rooms in factory premises including separate toilet facilities for women:

i) Staff Canteen:

There are **two** modern canteens in BLW premises i.e., Staff Canteen & Workshop Canteen. Both the canteens are running successfully as per needs of our employees. Following facilities are available in workshop canteen:

- Stainless steel dining furniture
- Provision of 70" LED TV
- Transparent kitchen area with modern cooking equipment
- Modular kitchen with fresh air cooling and fume exhaust system
- Six nos. insect killer installed
- Stainless steel sink for cleaning of utensils with hot and cold-water facilities and Automatic Dish Washer
- Auto coffee and tea dispensers in shops
- Provision of water coolers with attached purifiers



Workshop Canteen



Inside view of Workshop Canteen

ii) Toilets and Rest Rooms in factory premises including separate facilities for women:

- All shops are attached with toilets
- Lavatory blocks for hygienic and clean environment.
- Separate toilet facilities for ladies.
- Change rooms/ rest rooms for female staff in different shops have been provided.
- Water booths are provided.

iii) Staff Lockers – Provision of more than 750 lockers for workshop staff.

B) Recreational Amenities for Staff in Colony:

For various social needs of the staff following are functioning in BLW premises:

- Community Hall: 01 no.
- Institutes: 02 nos.
- Baarat (बारात घर) Ghars: 03 nos.
- Kalyan Kendra: 01 no.
- Rangshaala (रंगशाला): 01 no.
- Officer's Club: 01 no.
- Staff Club: 01no.

- **Cinema Club:**

An air-conditioned Cinema Hall (seating capacity of 690) with multi-channel audio system and digital projection is functioning in BLW.

- **Parks and gardens:**

Two parks and one big pond named "Surya Sarovar" are also situated in BLW premises where festival like Chatt Puja, Jivitputrika Puja, Dev Depawali etc. are organised.

C) Medical facilities:

- i) 105 bedded well-equipped Railway Hospital, a Health Unit and a First- aid post in workshop is functioning, delivering comprehensive health care to more than 50,000 beneficiaries. A Homeopathic Clinic also available. One Oxygen plant installed in Central Hospital, BLW.

- No. of Beds: 105
- No. of ICU Beds: 6
- No. of Invasive Ventilators: 7
- No. of Bi-PAP: 7
- Central Oxygen Gas Pipeline for all Indoor beds.
- Implementation of Fire Safety measures for Indoor

- ii) In-house facilities:

Medicine, Cardiology, Paediatrics, Obstetrics & Gynaecology, Surgery, Urology, Orthopaedics, ENT, Ophthalmology, Dentistry, Endoscopic surgery & Physiotherapy. Diagnostics Services, Pathology - Haematology & Bio-Chemistry, X-Ray Routine & Special X-Ray, Dental X-Ray, Digital X-Ray & ECG, 2D ECHO & USG.

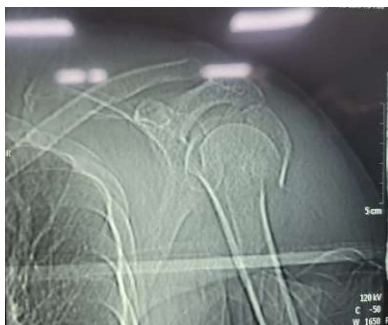
iii) Other Notable features:

First time in Central Hospital BLW, total knee replacement, huge mucocle with multiple stones of gall bladder operated by laparoscopy & shoulder acromioclavicular dislocation (Rockwood type 5) with coraco-clavicular ligament reconstruction with autologous graft augmented with fibre tape & Endo button done. These OT achievements (especially major and special surgeries) benefited not only BLW but also to other zonal railways.

- **Special Orthopedic & Endoscopic Surgery:** Special (dual mobility) Uncemented Total Hip Replacement surgery (for treatment of TB arthritis of left hip) done.



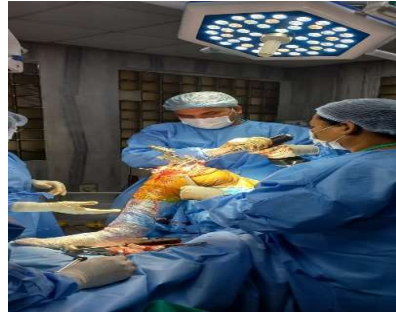
- First time in BLW Hospital Successful Shoulder Hemi-replacement Cemented done at BLW. Varanasi.



- First time in BLW, special surgery in shoulder acromio-clavicular dislocation (Rockwood type 5) with coraco-clavicular ligament reconstruction with autologous graft augmented with fibre tape & Endo button.



- First time in Central Hospital, BLW, Total Knee Replacement Surgery done successfully.



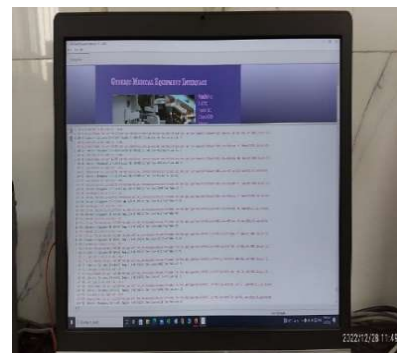
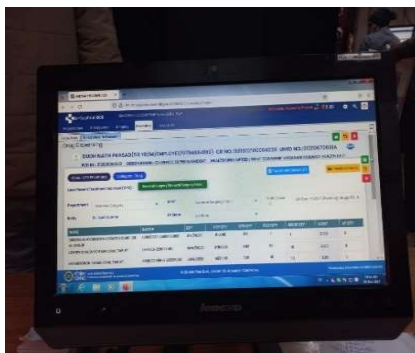
- Huge mucocele with multiple stones of Gall bladder operated by laparoscopy.



- **Installation of modern OT Equipment:-** New cautery machine installed in OT of the hospital for better surgical safety.



- **Implementation of HMIS:** First time BLW achieved successful implementation of HMIS modules in tune with pan-India trend which was physically verified by the DGRHS. HMIS system is now fully operated in OPD, Pharmacy, Lab & Indoor at Central Hospital, BLW, Varanasi.



- First time in BLW, blood storage facility established after getting license from the state government.
- First time in BLW, National Outreach Training Programme for Indian Railway Health Inspectors held in TTC/BLW in co-ordination with NAIR.
- Several outreach activities held successfully on Azadi ka Amrit Mahotsav such as lecture on Childhood Health Habits and Hygiene, lecture on road side trauma management, snake bite and burn, lecture on benefits and method of breastfeeding, webinar on Industrial Health & Hygiene with special reference to OSHWS Code 2022, CPR and Ergonomic training for officers and staff, two mega blood donation camps, five cardiac check-up camps.
- First time in BLW, achievement of academic research activities and accomplished inter-zonal seminar on osteoarthritis management with medical experts. Efficient leadership led to receiving of Gold Medal award in 67th Annual Conference of Indian Orthopaedic Association by the orthopaedic surgeon, Vidwat Bhushan Award by self & Excellence Award by paramedic.
- No COVID mortality reported due to follow up of standard protocols and record intensive vaccination coverage. Closely monitored and accomplished vaccination coverage with outstanding facilities which led to BLW to recognition of 2nd highest rank among top center in the state apart from appreciation of non-railway public and authorities.
- Both COVID and regular treatment services provided for patient's convenience with highest possible patient satisfaction. Engagement of HVS Neurology led to regular super specialty service first time in BLW. First time in BLW, DGRHS inspected twice and awarded the medical team for excellence.

D) Educational facilities:

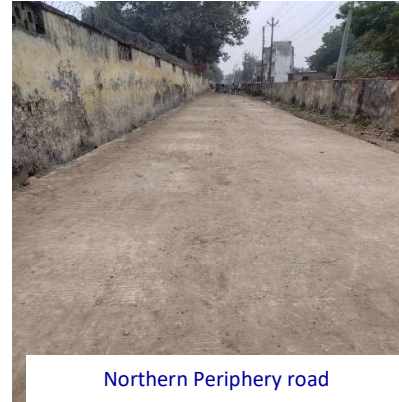
BLW houses the following schools within its premises, catering to the needs of wards of railways employees and officers:

- BLW Inter College (from class- 06 to 12th) is run by railway administration. (Total no. of Students - 1032)
- Women's Welfare Organization runs a primary school Bal Niketan. (Total no. of Students - 1177)
- One Post Graduate Girl's College run by State Govt. (Total no. of Students - 2310)
- Two Central Schools run by KVS (Total no. of Students - 2246)
- St. John's school (a missionary school). (Total no. of Students - 4657)
- Chetna School for mentally retarded children run by WWO/BLW (Total no. of Students - 14)



E) Colony upkeep including Garden Maintenance, Roads, Streetlights, Drainage etc.

- BLW has a total of 3704 staff quarters for about 5800 employees and officers in a lush green, pollution free township with more than one lakh trees. Efforts are made to keep the colony "Clean and Green".
- Total 2400m RCC road were constructed in 2022-23 which include workshop roads and Peripheral Road and hospital road
- Total 800 m bituminous road were constructed in 2022-23.
- SMS based complaint management systems for redressal of general electrical complaints of colony area. Total 19370 civil complaints were closed from 1.04.22 to 31.01.23.
- Illumination in colony area is excellent.
- Provision of ladies' toilet were done in Health Club of BLW.
- Tiling work were done in more than 450 staff quarters.
- Paver block work has been done in 150 quarters.
- Total 125 quarters were provided with car sheds.
- RPF Mahila barrack has been constructed.
- Solar lights at different places have been fitted to promote energy conservation.
- To prevent undesirable incidents, the activities of the entire township are being monitored through 242 CCTV cameras installed in BLW Campus.
- 4 baggage scanners have been installed at Administrative Building.
- 08 nos. Automatic Number Plate Recording (ANPR) cameras have been installed at entrance/exit gate of BLW Premises.



- Area from civil engineering department were identified for special drive for cleanliness/ Repair/ Removal of debris etc. Before and after images and their location are as under:

Before



After



Block no. 941 stair case repair & colour



Widening & repairing of Kandwa (कंदवा) gate



Kandwa (कंदवा) gate periphery road made



Construction of North Periphery Road

F) Other Notable Features:

- Activities managed by Railway Women Welfare Organization:

Staff welfare function of BLW is also supplemented by Railway Women's Welfare Organization who run the most popular primary school of BLW township called 'Bal Niketan' (बालनिकेतन), a vocational training centre for differently-able children called 'Chetna' (चेतना) and a number of other centres aimed at adult literacy, computer literacy, painting, stitching, crèche etc.

- Two nationalised Banks with six ATMs and one Co-Operative bank are functioning within BLW campus.



Personnel Department as a welfare department look after the welfare of large number of employees and their families in BLW. It takes care of the human factor striving to get the best result from their employees by developing their capabilities. Many new ambitious projects have been introduced in Indian Railways like, e-office, HRMS, etc. which have been successfully implemented in BLW.

Personnel Department of BLW has performed several notable tasks during the period from April 2022 to till date. Some of the appreciable tasks performed during the aforesaid period are as under:

- Compassionate Ground Appointment:** From April 2022 to till date, a total of 12 compassionate ground appointment have been finalized.
- Settlement:** From April-2022 to Jan-2023, 90 staff/officers retired and 100% settlement dues are finalized on the day of retirement regularly.

3. **Cleanliness Drive:** Cleanliness campaign is being organized time to time in which different Voluntary Organization/Samiti, like Scouts & Guides, St. Johns Ambulance Brigade, Chhat (छात्र) Committee, SC/ST Association, OBC Association, BLW Staff Council, Sports Association, Civil Defence came forward as family member and cleaned entire BLW premises for healthy environment.
4. **Herbal Garden:** BLW is developed an Herbal Garden in the vicinity of Staff Canteen where several herbal/medicinal plants have been planted to encourage and know the importance of herbal benefits.
5. According to the instructions of the Railway Board, Welfare Section organized 56 programmes in the year 2022-2023 with great enthusiasm i.e. the birth anniversary of great personalities, all the Diwas and Amrit Mahotsav.
6. For the recreation of BLW employees, a tour programmes for 5 days in the month of Nov'2022 has been organized in Gangtok (Sikkim) in which 57 employees participated.

9. Sports

A) Sports Facilities:

- Golf course with 18 hole (11 fairways, 56 Acres)
- International size standard Swimming pool
- Two synthetic Basketball court with flood lights
- Two Volleyball mud court with Flood light facility
- One Handball mud ground
- One Cricket ground with pavilion and 4 practice wickets
- One Football ground
- One Hockey grass ground
- One Gym with multi-equipment.
- Two indoor Badminton Courts with wooden flooring and flood light
- One wrestling hall with two wrestling mats
- Two synthetic tennis courts with flood lights
- One Squash court with flood light



B) Achievements at Various Levels:

- **Medals/Participation in Inter National Championship during 2022–23:**
 - ❖ **Athletics:**
 - Rohit Yadav, represented Indian Athletics team in World Athletics Championships held at Oregon, USA from 15th to 24th July, 2022 and secured 10th Position in Javelin Throw event.
 - Rohit Yadav, Represented Indian Athletics team in XXII COMMONWEALTH GAMES held at Birmingham, England from 28th July, 2022 to 8th Aug, 2022 in Javelin Throw and secured 6th Position.
 - ❖ **Cross-Country Race:**
 - Ajay Kumar Bind, represented Indian Railway Cross Country team in 17th USIC (World Railway) Cross Country Championship held at Berlin Germany from 13th to 16th July, 2022 and secured Gold Medal.

- **Medals/Participation in National Championship during 2022–23:**

- **Athletics:** Rohit Yadav, participated in 36th National Games held at Gandhinagar from 30th Sep. to 5th Oct., 2022 and secured 2nd Position in Javelin Throw event.
- Rohit Yadav, represented Indian Railway Athletics team in 61st National Open Athletics Championship held at Bangalore from 15th to 19th Oct., 2022 and secured 2nd Position in Javelin Throw event.
- Rekha Singh, participated in 36th National Games held at Gandhinagar from 30th Sep. to 5th Oct., 2022 and secured 2nd Position in Hammer Throw event.
- Rekha Singh, Hammer Thrower represented Indian Railway Athletics team in 61st National Open Athletics Championship held at Bangalore from 15th to 19th Oct., 2022.
- Jyoti, Hammer Thrower represented Indian Railway Athletics team in 61st National Open Athletics Championship held at Bangalore from 15th to 19th Oct., 2022.
- Gautam Gupta, 400m Hurdler represented Indian Railway Athletics team in 61st National Open Athletics Championship held at Bangalore from 15th to 19th Oct., 2022.
- **Cricket:** Karn Sharma represented Indian Railway Cricket Team in Syed Mushtaq Ali Trophy held at Rajkot from 11.10.2022 to 22.10.2022.
- Karn Sharma represented Indian Railway Cricket Team in Vijay Hazare Trophy held at Ranchi from 12.11.2022 to 23.11.2022.
- Karn Sharma represented Indian Railway Cricket Team in Ranji Trophy held at Nagpur/ Delhi from 13.12.2022 to 23.12.2022.
- **Handball:** Mandeep Singh and Saurav Kumar Singh represented Indian Railway Handball in Sr. National Handball Championship held at Ahmedabad from 24.12.2022 to 29.12.2022.
- **Rifle Shooting:** Deepika Patel, represented Indian Railway Shooting team in 65th National Shooting Championship held at Bhopal from 20.11.2022 to 12.12.2022.



- **Medals won in All India Railway Championship during 2022–23:**

- (i) **In Athletics:** Rekha Singh, won Silver Medal in 87th All India Railway Athletics Championship held at MCF Raebareli from 29th to 31st August, 2022 in Hammer Throw.
- (ii) Jyoti, won Bronze Medal in in 87th All India Railway Athletics Championship held at MCF Raebareli from 29th to 31st August, 2022 in Hammer Throw.
- (iii) Gautam Gupta, won Bronze Medal in 87th All India Railway Athletics Championship held at MCF Raebareli from 29th to 31st August, 2022 in 400m Hurdles.
- (iv) **In Wrestling:** Sachin Giri, won Silver Medal in 63rd All India Railway Wrestling Championship held at New Delhi from 29th to 31st October, 2022 in 86 Kg Free Style.
- (v) Chandra Bhushan, won Bronze Medal in 63rd All India Railway Wrestling Championship held at New Delhi from 29th to 31st October, 2022 in 86 Kg Free Style.
- (vi) **In Aquatics Diving:** BLW Diving team secured 4th Position.
- (vii) **In Wrestling:** BLW Free Style Wrestling team secured 8th Position.

10. Public Image & Brand Value

A) Initiatives taken:

Efforts to increase Vendor Base

- Vendor approval process completely switched over from offline to online portal UVAM
- Design office dealt record numbers of vendor assessment cases of electric loco items and pendency reduced from opening balance of 873 cases to 92.
- Total Registration Certificate issued for 353 Electric loco items.
- Successfully conducted the prototype and issued provisional clearance for 47 electric loco items against various POs of BLW/Zonal Railways.
- Issued final Clearance of prototype test after successful fitment and requisite field trials for 34 Electric loco items.

B) Recognition received:

i) Public Image

PSA based **Oxygen Generation Plant** of 610 LMP installed and commissioned in BLW Central Hospital under CSR in 2021, is now being maintained by BLW.

GM'S article, display advertisement were published in the national and local daily as well as in magazine and house journal "Samvad", press release also. Description and photographs of prominent events were posted / upload on BLW website as well as on social media Twitter, Facebook, Instagram, koo etc.

During April 2022 to February 2023 following events of BLW were prominently highlighted and covered by media thereby creating a positive image.

Courtesy meeting of General Manager Ms. Anjali Goyal with Honorable Vice President Shri M. Venkaiah Naidu: On April 16, 2022, Hon'ble Vice President Shri M. Venkaiah Naidu stayed at Banaras Locomotive Works Officer's Guest House. BLW General Manager Ms. Anjali Goyal had a courtesy call on the Honorable Vice President. General Manager apprised the Honorable Vice President about BLW's functioning and activities related to loco manufacturing and presented a loco model of BLW manufactured as a memorial.



Courtesy meeting of General Manager Ms. Anjali Goyal with Honorable Governor Mrs. Anandiben Patel : On April 16, 2022, Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel met General Manager Ms. Anjali Goyal at BLW Guest House on her arrival at Banaras Locomotive Works, Varanasi. During this, the General Manager informed about the functioning of BLW and the activities related to loco manufacturing.



Chairman and Chief Executive Officer, Railway Board Shri V. K. Tripathi inspected BLW: On April 15, 2022, Chairman and Chief Executive Officer Railway Board Shri V.K. Tripathi and Advisor Railway Minister Shri Sudhir Kumar inspected various shops of Banaras Locomotive Works. During the inspection, detailed discussions were held with General Manager Ms. Anjali Goyal and major department heads on technical aspects related to locomotive manufacturing and important new technology, loco projects. On this occasion, Chairman and Chief Executive Officer, Railway Board Shri V.K. Tripathi and Advisor Railway Minister Sudhir Kumar discussed in detail about the loco production activities with the members of BLW staff council in the meeting.



Comptroller and Auditor General of India Shri G.C. Murmu's arrival at BLW: On this occasion, the Guard of Honor was given by the BLW Railway Protection Force. The General Manager gave a detailed presentation about the BLW and its related production activities. The Comptroller and Auditor General of India while addressing the BLW officers said that I am proud of the record achievement by BLW in various fields. BLW manufactured a record number of locomotives despite the Covid pandemic, which is commendable. Locos have also been exported by BLW to many African countries, which shows India's self-reliance.



Visit of Hon'ble Railway Minister, Bangladesh to BLW: Hon'ble Railway Minister of Bangladesh, Mohd. Noorul Islam Sujan visited BLW from 30.05.2022 to 31.05.2022. With him CMD of Rights. Mr. Rahul Mithal was also there. On this occasion, a meeting of the delegation with the team of high officials of BLW was organized. During the meeting, the capabilities of BLW were demonstrated to the delegation of Bangladesh and detailed information regarding the locos exported was presented.



Yoga camp organized at BLW on International Yoga Day: On the occasion of International Yoga Day, under the direction of General Manager Ms. Anjali Goyal, Yoga program was successfully organized at BLW on 21st June with enthusiasm. While watching the live telecast of the yoga practice along with the address and swearing-in of the Hon'ble Prime Minister and Railway Minister, BLW General Manager Ms. Anjali Goyal, Heads of Departments, all the officers and employees performed yoga exercises at the workplace as per the sequence.



Massive tree plantation in BLW on the occasion of World Environment Day:

On the occasion of World Environment Day massive tree plantation in BLW on June 05, 2022 to be done. General Manager Ms. Anjali Goyal, Chief Heads of Departments and other officials planted saplings with many medicinal properties including Chittavan in the premises of Health Unit, BLW.



Anti-Terrorism Day was celebrated in BLW: On this occasion, General Manager Ms. Anjali Goyal administered the oath to the officers and employees of BLW. General Manager, while addressing the employees, said that due to terrorism and violence, to create awareness among the society about the problems being faced by the people and the adverse effects on the national interests, and to strengthen the spirit of national unity and integrity. Anti-Terrorism Day is celebrated with the aim of strengthening.



Dr. Bhimrao Ambedkar Jayanti celebrated as Utsav in BLW: On April 16, 2022, Bharat Ratna Baba Saheb Dr. Bhimrao Ambedkar Jayanti was celebrated with great pomp in BLW. First of all, General Manager Ms. Anjali Goyal was paid tribute by lighting the lamp and paying homage to Baba Saheb's picture by the heads of departments. Thereafter, tributes were paid by a large number of officers/employees of the BLW.

The "Azadi Ka Amrit Mahotsav" was celebrated with enthusiasm in BLW:

During which various cultural programs organized from 01.08.2022 to 14.08.2022 were successfully completed.

1. Through the staging of "Unity in Diversity", a pledge was taken for the unity and integrity of the country by effectively presenting the beauty of unity in diversity of India.
2. On the occasion of his birth anniversary, the great freedom fighter Pingali Venkaiah ji, who designed the national flag "Tiranga" and made every countryman proud, the Rangoli competition was dedicated to Pingali Venkaiah ji, who conceived the national flag.
3. Patriotic poem and touching song dedicated to the martyrs of freedom by the students of BLW Inter College.





4. Organized essay competition on the title "New dimensions of progress of the nation".
5. Organized a race from the BLW's basketball ground with the participation of officers and employees with the national flag.
6. On the occasion of Amrit Mahotsav of Independence, the message of cleanliness was given by cleaning with the participation of officers and employees.
7. On the occasion of Amrit Mahotsav of Independence, the message of cleanliness was given by cleaning with the participation of officers and employees.
8. Made people aware through a seminar on health, hygiene and beneficial habits of children in the auditorium of the Central Hospital.
9. In the auditorium of the Central Hospital, information was given through a seminar on the first aid of road accidents, snake dance and burns, how to save the person injured in such accidents.
10. The poem "Rashtra Ke Naam" was organized in the auditorium of the TTC, highlighting the role of poetry in the freedom movement.
11. Dedicating the fancy dress and rangoli competition organized by the Women's Welfare Organization to the freedom fighters, paid tribute to the brave martyrs.
12. Roller skating players gave the message of patriotism by taking out a rally with the national flag, patriotic songs and slogans.
13. On the Amrit Mahotsav of Independence, women took out a scooty rally with the national flag and paid tribute to the martyrs.
14. The children of the academy paid tribute to the martyrs by participating in the cross country run with the national flag and slogan.

15. On the occasion of Azadi Ka Amrit Mahotsav, a huge crematorium procession was organized by the officers and employees remembering the Quit India Movement on 8 August 1942.
16. A quiz competition was organized under Azadi ka Amrit Mahotsav, in which students from class 06 to class 09 participated, giving correct answers to interesting questions related to the freedom struggle enthralled the audience.
17. Under Azadi Ka Amrit Mahotsav, people/shopkeepers were made aware about fire prevention measures and were made aware about single use plastic and cleanliness.
18. Under Azadi Ka Amrit Mahotsav, to introduce the image of BLW to the general public through a photo exhibition of BLW's achievements from the foundation stone laying to the present.
19. Electric locomotive WAG9HC "Amrit Shakti" manufactured at BLW was dedicated to the freedom fighters under Azadi ka Amrit Mahotsav.
20. Enhancing people's enthusiasm through patriotic songs and dances under Azadi Ka Amrit Mahotsav.
21. Tree plantation was done under the Amrit Mahotsav.
22. A grand Tiranga Yatra was taken out under the Amrit Mahotsav of Independence, in which all the officers, employees and their family members of BLW participated very enthusiastically.
23. Patriotic cultural program under the Amrit Mahotsav of Independence.
24. Patriotic cultural program and Kavi Sammelan under the Amrit Mahotsav of Independence in the premises of Surya Sarovar.
25. Patriotic folk song program under Azadi Ka Amrit Mahotsav.

76th Independence Day Celebrations:

The 76th Independence Day celebrations were celebrated with great enthusiasm in BLW. The program started with flag hoisting by General Manager Ms. Anjali Goyal, salute by parade and national anthem. General Manager said in her address that BLW is performing its duties towards the country with utmost devotion. Last year BLW set a record of manufacturing 367 locomotives including 04 export locomotives and 363 electric locomotives. This set a record for highest loco production in a single year in the history of BLW. Thereafter, a mesmerizing cultural program was presented by the artists of BLW Cultural Association as well as various schools and organizations located in the campus.





Visit of high level delegation of Myanmar:

General Manager BLW Ms. Anjali Goyal and other officials in meeting with A seven-member high level delegation led by Mr. Aung Myang, Deputy Minister of Transport and Communications, Government of Myanmar, to review the facilities and capabilities of loco manufacturing in BLW Visited on 12th August.



General Manager, BLW assured the delegation that Indian Railways is always ready for all kinds of technical cooperation related to the electrification of Myanmar including energy source plan, transformers and rolling stock. High level delegation visited various shops. During the visit to the factory, the members of the delegation got acquainted with the various stages of construction of electric and diesel locos.



Workshop visit by Zimbabwean high level delegation: On 31.08.2022, a three member high level delegation led by Mr. M. Madero, Deputy Minister of Transport and Infrastructure Development of Zimbabwe visited BLW. During this, they saw diesel and electric loco manufacturing facilities and capabilities here.



'Prabhat Pheri' under Swachhta Pakhwada: As per the guidelines of Ministry of Railways, Government of India, Banaras Locomotive Works along with the entire Indian Railways organized 'Prabhat Pheri' in the series of Swachhta Pakhwada. Officers, employees and others participating in the said 'Prabhat Pheri'.

Union Minister of Railways Shri Ashwini Vaishnav's visited to BLW: On 04th November, Hon'ble Union Minister of Railways, Communications and Electronics & Information Technology, Government of India, Shri Ashwini Vaishnav visited BLW, during this, the construction process of 12000 H.P. Locomotive and its features were displayed. Thereafter, Hon'ble Railway Minister along with General Manager Ms. Anjali Goyal, Heads of Departments and senior officers of BLW and BLW Employees Council, O.B.C. and SC/ST had a detailed discussion with the association and other organizations of BLW. Along with this, for the expansion of BLW Central Hospital, He also assured for the speedy approval of the proposal of Rs. 7.5 crores.



67th Rail Week Award: 67th Rail Week award distribution ceremony held at BLW on 23 Dec'2022, BLW employees who did excellent work were honoured with prizes, medals and citations. Along with this, collective awards were also given to eight sections/shops of BLW. Shri B.P.Gupta, Works Manager of BLW, who received the National Rail Award-2022 for distinguished service by the Ministry of Railways, was the first in the series of individual awards. Congratulating the award winners at the ceremony, General Manager Ms. Anjali Goyal said that the employees and officers of BLW not only increased the production capacity during 2021-22, but also increased safety, security, punctuality, increased railway revenue also. Production of more locomotives than this also did a total of 65 doing excellent and commendable work in various fields.



MET & HTS Exhibition: MET & HTS - 2022 was inaugurated by Hon'ble Minister of State for Defence Shri Ajay Bhatt at Bombay Exhibition Centre, Mumbai. The exhibition showcased various infographics pictures, running models of electric locomotives and models of diesel locomotives to be exported along with the work being done in the loco production sector under the leadership of Ms. Anjali Goyal, General Manager, BLW. The display attracted the attention of the visitors. Earlier, the BLW exhibition stall was inaugurated by the Hon'ble Minister of State for Defence Shri Ajay Bhatt by cutting the ribbon.



Silver Jubilee Celebration of Chetna Vidyalaya: Silver Jubilee of 'Chetna', a vocational training center for retarded and disabled children, run by BLW Women's Welfare Organization, a pioneer in social and welfare works, on December 09, 2022 by the children. The presentation was celebrated with great pomp and show with an attractive colorful cultural programme.



Chief Justice, High Court, Allahabad visited BLW:

On December 24, 2022, Chief Justice, High Court, Allahabad Hon'ble Justice Mr. Rajesh Bindal visited BLW. On this occasion he visited various shops of BLW and observed the works related to the production of locomotives.



Gandhi Jayanti: Under cleanliness fortnight from 16th September to 02nd October, on the occasion of Gandhi Jayanti, on 2nd October, Ms. Anjali Goyal, General Manager, BLW gave the message of healthy environment and cleanliness by doing Swachhata Shramdaan and planting trees on the golf course ground. After that, the General Manager planted trees and gave the message of clean environment and a large number of officers and employees did Shramdaan and planted trees.



Record created by manufacturing shells and bogies: BLW has set a record by manufacturing the maximum number of 8 shells and maximum 52 loco set bogies in the month of November. The same loco paint shop has painted 8 shells, 8 underframes and 52 loco bogies, which is the highest ever. General Manager Ms. Anjali Goyal congratulated all the hardworking officers and employees for their excellent work and said that BLW is creating new records daily by working with team spirit.



Energy Conservation Week: BLW organized an awareness rally during Energy Conservation Week. It is noteworthy that BLW has secured the top position in the year 2022 for energy conservation in the railway workshop sector. For which the Uttar Pradesh New and Renewable Energy Development Agency has been honoured by the Department of Additional Energy Sources, Government of Uttar Pradesh.



BLW received the Uttar Pradesh State Energy Conservation Award 2022:

Banaras Locomotive Works has done commendable and remarkable work by saving energy in the year 2021-22 relative to the year 2020-21 in the state under the railway workshop sector. As a result, in the railway workshop sector, in the year 2022, the highest position has been achieved for energy conservation. For which the Uttar Pradesh New and Renewable Energy Development Agency was honoured by the Department of Additional Energy Sources, Government of Uttar Pradesh. BLW has done a commendable work in the direction of energy conservation; energy is saved by using solar energy on a large scale in the administrative building and workshop area.





BLW is certified by ISO's latest standard I.R.I.S certificate: Banaras Locomotive Works received the International Railway Industry Standard (IRIS) certificate from UNIFE, an important body of European Standards. This certificate is the latest standard of ISO 22163 (IRIS). BLW is the first production unit to get this certificate in the whole of India which manufactures rail locos. To meet the criteria of this certificate, there is a responsibility to meet ten parameters, which BLW has been able to complete in record time. With the receipt of this certificate, the demand for electric locomotives will increase in the international market for BLW apart from diesel.

41st International Trade Fair: In the 41st International Trade Fair from 14th to 27th November at Pragati Maidan, New Delhi, the Banaras Locomotive Works, under the leadership of General Manager Ms. Anjali Goyal, displayed locos with the latest works being done in the loco production sector in the pavilion of Indian Railways. Along with the best display of loco production capacity, different types of infographics pictures, electric locomotives WAP7, WAG9 and exports models of diesel locomotives were displayed.



74th Republic Day celebrations celebrated with enthusiasm in BLW:

74th Republic Day celebrations concluded with enthusiasm and presentation of various colourful and cultural programs at the BLW. The program started with flag hoisting by Chief Guest PCMM Mr. Rajneesh Gupta, salute by parade and presentation of national tune. Thereafter, the chief guest inspected the parade contingents of RPF, Civil Defence, St. John's Ambulance Brigade, Bharat Scouts and Guides.



Highest ever 121 Turbo Clutch Assemblies supplied by BLW to the Zonal Railways:

BLW, Varanasi has supplied 121 TURBO CLUTCH ASSEMBLIES (TCA's) in the month of Jan 2023 to Zonal Railways, which is the highest ever supply. In Jan 2019, 114 Turbo Clutch Assemblies were supplied. This has helped Zonal Railways to maintain their HHP locos, which were otherwise lying ineffective for want of Clutch Assemblies. This will help in increasing the revenue of Railways by improving availability of HHP Locos for freight operations during peak loading season.



Arrival of Deputy Comptroller and Auditor General, Railway Smt. ILA Singh at BLW: On 17.02.2023, Deputy Comptroller and Auditor General, Railways, Smt. Ila Singh visited Banaras Locomotive Works. On this occasion General Manager Shri Prabir Kumar Saha gave a detailed presentation on the BLW loco production activities. Deputy Comptroller and Auditor General, Railways Smt. Ila Singh and her team discussed in detail with General Manager and PHODs of Departments the production and other activities of BLW, ongoing projects and future plans.



Loco models of Banaras Locomotive Works were the center of attraction at Taj Mahotsav :

Railway exhibition at Taj Mahotsav is being held from 20th February to 01st March. This exhibition mainly showcases various types of diesel and Electric Rail Loco models being manufactured by the Banaras Locomotive Works, informing the visitors through display posters, pamphlets, which are the center of attraction in the Taj Mahotsav. Safety related display including Bholu guard, Vistadome coach, Black Beauty steam loco model made from scrap at the Fair is enthralling all the tourists. Anyway, Rail is an important and integral part for all people.



रेलवे सुरक्षा बल

❖ अतिविशिष्ट व्यक्तियों का आगमन

अतिविशिष्ट व्यक्तियों जैसे महामहिम राष्ट्रपति, उपराष्ट्रपति, रेलमंत्री, अध्यक्ष/रेलवे बोर्ड व अन्य गणमान्य व्यक्तियों के बरेका में आगमन के दौरान सुरक्षा के मद्देनजर रेलवे सुरक्षा बल का कार्य काफी सराहनीय रहा है साथ ही सुरक्षा व्यवस्था तथा प्रोटोकॉल के अनुरूप जिला प्रशासन तथा जिला पुलिस के सहयोग से बिना किसी अप्रिय घटना के माननीय व्यक्तियों के बरेका आगमन व प्रवास को सफलतापूर्वक सम्पन्न कराया गया। जैसा कि विदित है कि माह नवम्बर/दिसम्बर के माह में वाराणसी में तमिल संगमम का आयोजन किया गया था, इस संगमम में देश के कई अतिविशिष्ट व्यक्तियों का वाराणसी में आगमन हुआ। आगमन के क्रम में कई लोगों ने बरेका अधिकारी अतिथि गृह में रात्रि निवास भी किया है, बरेका आगमन के दौरान इन महानुभाव की सुरक्षा व्यवस्था के लिए स्थानीय जिला पुलिस से समन्वय कर बरेका प्रवास को बिना किसी व्यवधान के सम्पन्न कराया गया। इसके अतिरिक्त विदेशों से आने वाले डेलीगेट्सों की सुरक्षा हेतु रेसुब ने स्थानीय जिला पुलिस से समन्वय कर सुरक्षा हेतु सराहनीय कार्य किया है। रेसुब के बल सदस्यों की मुस्तैदी व सतर्कता की प्रशंसा आने वाले गणमान्य व्यक्तियों ने की है।

❖ आजादी का अमृतमहोत्सव के अन्तर्गत पौधरोपण

आजादी का अमृत महोत्सव कार्यक्रम के तहत रेसुब द्वारा बरेका परिसर में लगभग 1000 की संख्या में नये पौधे लगाए गए।

❖ जनकल्याण सराहनीय कार्य

माननीय प्रधानमंत्री महोदय के स्वच्छ भारत अभियान आह्वाहन को ध्यान में रखते हुए रेसुब बरेका ने वाराणसी के प्रसिद्ध शूलतंकेश्वर महादेव मंदिर गंगा घाट की सफाई को अपने हाथ में लिया। इस क्रम में 02 अक्टूबर से रेसुब के बल सदस्यों ने स्वेच्छा से घाट की सफाई किया तथा समय समय पर बल सदस्यों द्वारा गंगा घाट की सफाई की जा रही है। इस कार्य को स्थानीय गांववासियों, पर्यटक तथा मंदिर के पुजारी ने इसकी भूरी भूरी प्रशंसा की है।



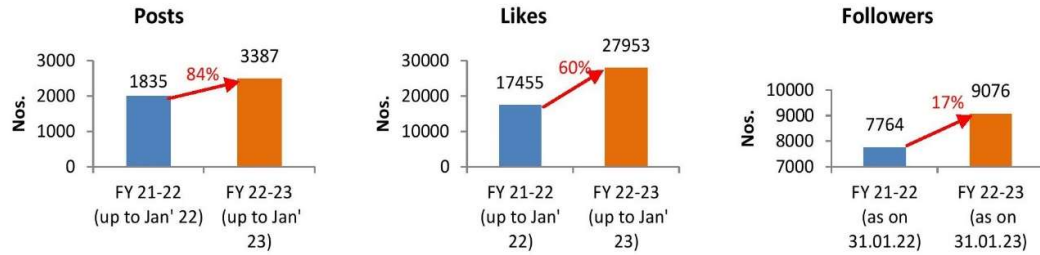
ii) Brand Value:

- Over the last 57 years, BLW has established unbeatable "Brand Equity" in respect of locomotive sales to Non-Railway Customers (NRCs). This is backed and supported by impressive after-sales service and spares-support to all customers. This has manifested in repeat orders from the clients. Moreover, BLW also gets tough competition from open markets viz BHEL, SAN/Bengaluru etc. for getting locomotive supply orders.
- In FY 2022-23, till date, BLW has received purchase order of worth ₹56.34 Cr for six locomotives from NRCs (four nos. from NTPC/Farakka & two nos. from APL/Jharkhand). Further, BLW is expected to get order for five locomotives (four WDS6ADT & one WDG4) from NRCs within India.
- In FY 2022-23, BLW has already dispatched two locomotives worth ₹17.40 Cr to NRCs within India and also exported one locomotive worth ₹15.79 Cr to Mozambique through RITES.
- In FY 2022-23, till date, BLW has received order for spares worth Rs. 9.85 Cr. From NRCs in comparison to spares worth ₹6.35 Cr received in FY 2021-22. This is 55% more than the value of order for spares received in FY 2021-22. This increase in order of spares has become possible due to close liaisoning with customers through Video Conferences.
- In FY 2022-23, till date, BLW has already dispatched spares worth ₹6.08 Cr to NRCs.

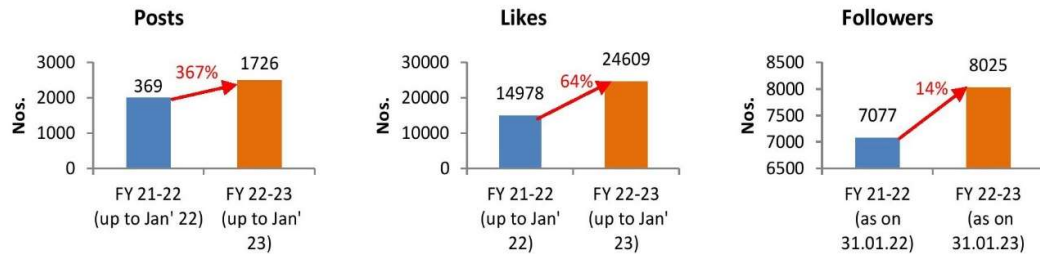
The above have been achieved by continuous interaction with prospective customers through VCs. During VCs, probable customers were apprised about the various products and capabilities of BLW. Problem raised by customers during VC in purchase of locomotives were also resolved promptly. Till date, BLW has organized 34 VCs with 35 NRCs. This has resulted in enhanced sale of spares.

Social Media Activities FY 2022-23 vis-à-vis FY 2021-22:

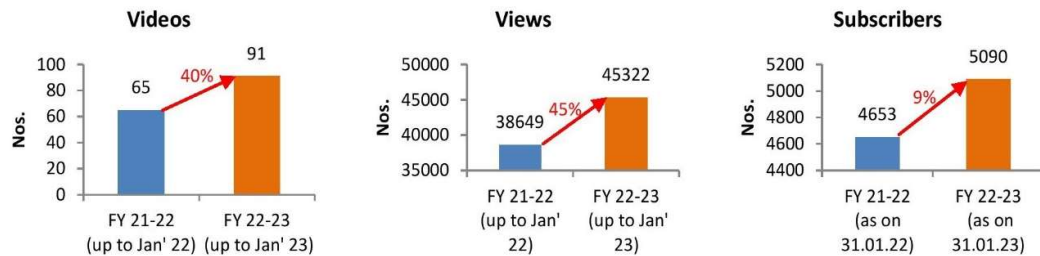
Twitter:



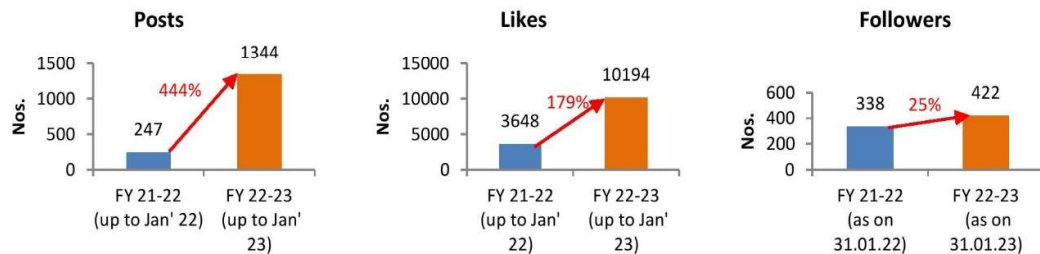
Facebook:



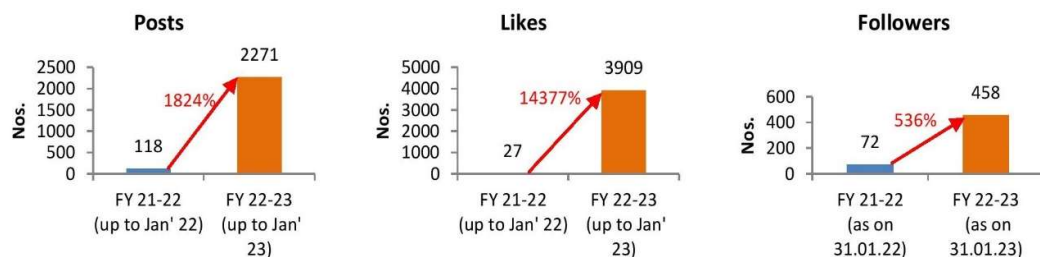
YouTube:



Instagram:



Koo:



C) No. of Pending Audit cases > 1year:

There are 141 pending Audit Reference (all cases), more than one year.

11. Training and Skill Development of Employees

A. Training Facilities

Technical Training Centre (TTC) of Banaras Locomotive Works, Varanasi is functional since 1959 to impart training for new recruits, working staff and supervisor, Act Apprentices and Vocational training to Under Graduate Engineering/ Management students. There is also one more training centre -Indian Railway Welding Research Institute (IRWRI) which functions as 'Apex Body' of Indian Railways for improving welding quality and research.

Facilities in Technical Training Centre:

- Basic Training Workshop: Fitting and Machine shop equipped with conventional and CNC machines.
- Electrical & Electronics lab equipped with cut models and wiring diagrams.
- Computer Lab for computer training viz. Computer awareness, advanced computer training, Unicode and AutoCAD training.
- Library: TTC is having library of more than 1000 technical and management books for the knowledge upgradation of trainees and faculty members in various branches i.e. Mechanical, Electrical, Management and Computer Applications.
- Classroom facilities: There are ten classrooms (including six AC rooms) with 25 seats equipped with LCD projectors, computerised interactive boards are available for in-house training.
- Auditorium / Conference Hall: One Air-conditioned Conference Hall & one other Auditorium is available at TTC for seminars & workshop with audio-visual facilities with 150 and 90 seating capacity respectively.



i. Main Activities of Technical Training Centre (TTC):

- In-house and outside Institutional training for BLW supervisors & staff, Probationers and Zonal Railway's supervisors and staff.
- Initial training for newly recruited supervisors, artisans (RRB/promotions / New appointees).
- Training of Act. Apprentices (Non-ITI and ITI) as per "Apprentices Act-1961".
- Degree & Diploma Apprentices training as allotted by Board of Apprenticeship Training (BOAT), Kanpur.
- Vocational training for Under Graduate Engineering Students.
- 'Rail Kaushal Vikas Yojana' (RKVY) training for local youth.
- TTC regularly organizes Seminar/Workshop/Meeting in Auditorium / Seminar Hall.

ii. Indian Railway Welding Research Institute (IRWRI)

IRWRI is well equipped with all the required welding facilities i.e., MIG, TIG, SMAW, Stainless Steel welding etc. Plasma cutting facility and Weld Research Lab. Main activities are -

- Training of BLW, NER, ECR, ER, CR& NFR welding professionals & co-ordinate between Regional Welding Institutes and function as Apex Body of Indian Railways for Welding training
- Conducts different modules of Welding Courses for welders, supervisors & trainers
- Research & Quality Improvement Activities
- Welding related problems of BLW
- Quality audit of Regional Welding Institutes
- **Welding Simulator** - to enhance welding skill of BLW welders in an eco-friendly manner i.e., without using any welding consumable and releasing harmful gases in environment.
- Upskilling of welders of vendors for improving the quality of trade supplied Shells.



Indian Railway Welding Research Institute



Welding Simulator Training

B. System for ensuring proper training to employees:

Special efforts are made to impart increased training to staff and also increase skill development of local youth.

Training and Skill Development of Employees

1. Training performance of TTC and IRWRI with comparative position:

Training imparted Period (Apr to Jan)	2021-22			2022-23		
	TTC	IRWRI	Total	TTC	IRWRI	Total
Initial training	513	51	564	496	57	553
Refresher Courses	220	67	287	313	295	608
Specialized Courses	301	256	557	692	179	871
Promotional (Need base)	1	2	3	0	0	0
Grand Total	1035	376	1411	1501	531	2032

2. Other Highlights:

- Under the '**Rail Kaushal Vikas Yojana**', which is being run under the directives of the Railway Board, a total of **633** youth have been trained in various technical disciplines by the Technical Training Centre, BLW which is approximate **20%** above proportionate target.
- Covering **15259.5** training-days, **1792** supervisors and staffs were trained in **115** different courses during the year 2022-23 at TTC, BLW, Varanasi.
- TTC Utilized 100% of its Available Capacity under different training programmes.
- 100%** Welder Technicians of BLW have been provided training on Welding Simulator for high skill development in welding by Technical Training Centre.
- Along with remarkable work in the field of Welding, **ISO-3834 recertification certificate** was obtained as per the set standard of International Standard.
- In addition to the regular training program conducted by the Technical Training Centre, a total of **714** Under Graduate Engineering students were provided Summer Internship Training this year.
- Prepared **syllabus for JE** (Mechanical and Electrical) as per NSQF guidelines by TTC, BLW, Varanasi.
- Under the National Apprenticeship Promotion Scheme run by the Government of India, BLW received a total of **₹ 1,73,70,487/-** (One Crore Seventy-Three Lakhs Seventy Thousand Four Hundred Eighty-Seven Rupees) as a part of reimbursement stipend payable to the Apprentices of Government share by the "Ministry of Skill Development & Entrepreneurship" claiming from time to time. From **September-2022**, this amount is being released directly into the bank account of the Apprentices by the Ministry through **DBT** mode every month.