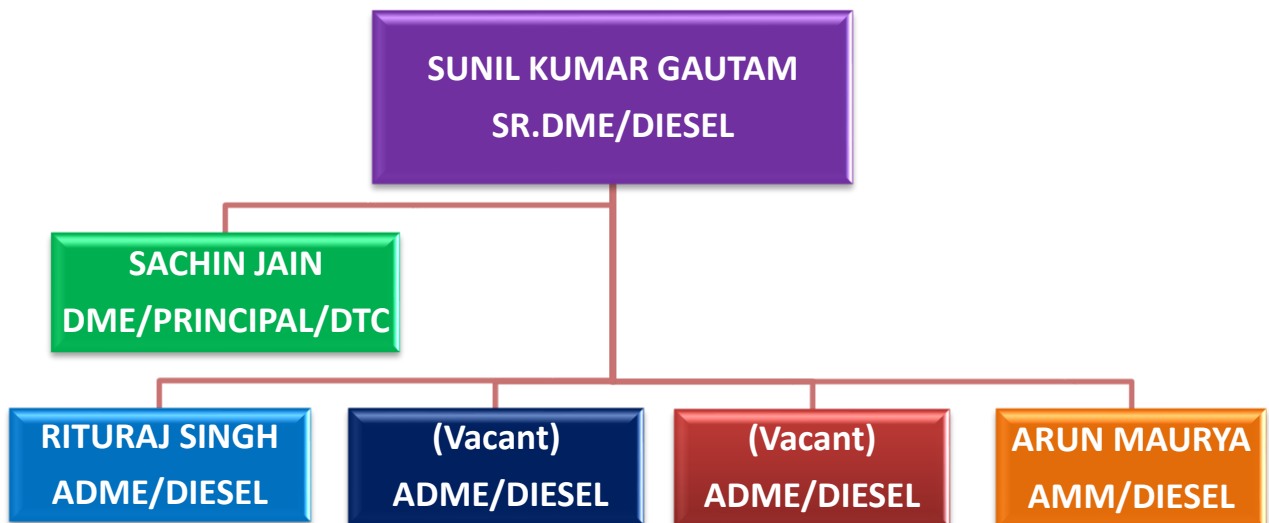


MECHANICAL - DIESEL LOCO SHED JHANSI

Diesel Loco Shed Jhansi is the only Diesel Loco Shed in North Central Railway catering to traffic needs of Mail/Express, Passenger, Goods and Shunting services of diesel locomotives as well as Electric locomotives. The shed has completed 47 glorious years in the service of the nation in April'2022.

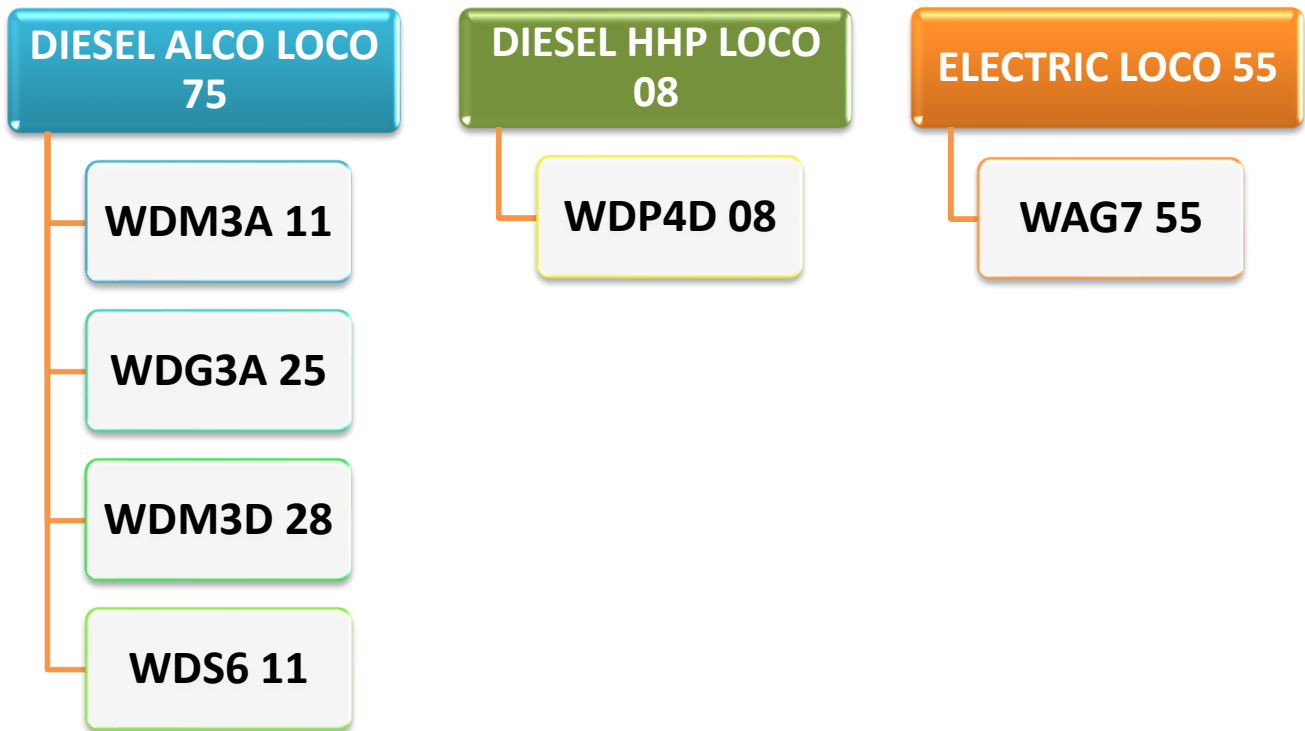
ORGANIZATION CHART (GAZETTED)



CONTACT DETAILS OF OFFICERS

Name	Designation	Rly Phones		BSNL Phones	
		Office	Residence	Office	Residence
Sunil Kumar Gautam	Sr.DME/Diesel	6300	-	2311452	-
Sachin Jain	DME/Diesel	6301	55446	-	-
Rituraj Singh	ADME/Diesel	6303	55413	-	-

ASSETS MAINTAINED BY DIESEL LOCO SHED, JHANSI



MAN POWER STATUS

761	• Sanctioned Staff
649	• Staff on Roll
-112	• Short Fall

DUTY LIST OF OFFICERS OF DIESEL LOCO SHED, JHANSI

Shri Sachin Jain, DME/ Diesel

- ❖ To monitor the working of all the Heavy Repair Sections of Diesel Shed including for Electric Locos.
- ❖ Correspondence related to RSP, M&P, Works Program, Warranty and Performance Feedback of Loco Spares to RDSO / DLW.
- ❖ Initiation of Tenders of works contracts and AMCs of JHS Diesel Shed.
- ❖ Monitoring of activities DTC, DTH and Loco Simulator.
- ❖ Monitoring of ISO Cell.
- ❖ Monitoring of Staff Canteen of Diesel Shed.
- ❖ Monitoring of DMIC (Record Office) and failure analysis & completion of failure report.
- ❖ Material requirement planning and follow up with Head Quarter Stores, DLW, DMW and other sheds, workshops and Firms.
- ❖ Scrap disposal
- ❖ Monitoring of maintenance of M&P of Diesel Shed.
- ❖ To monitor following areas of working of Diesel Shed.
 - I. Shed Laboratory.
 - II. Machine shop including pit wheel lathe.
 - III. Electrical and mechanical millwright sections.
 - IV. Fabrication.
- ❖ Any other work allotted by the Sr. DME/Diesel/JHS as per requirement.

Shri Rituraj Singh, ADME/Diesel

- ❖ To monitor the following areas of working of Diesel Shed.
 - I. Electrical HSR Section.
 - II. Mechanical HSR.
 - III. Main and shift tool rooms of mech. and electrical wings including gasket room.
- ❖ To plan and monitor Heavy Schedules (M18 / Y1 / TOH and above)
- ❖ To plan and monitor the Running Schedules (M6 /180 Days / IC and below) of all Locos.
- ❖ Failure Investigation.
- ❖ Monitoring of all works pertaining to establishment section of this office.
- ❖ Monitoring of office administration.
- ❖ To monitor the following areas of working of Diesel Shed.
 - I. Electrical LSR section
 - II. Mechanical LSR Section
 - III. Shed Control Room,
 - IV. REMMLOT
 - V. Loco Washing Pit, Sand shed and sand treatment plant.
 - VI. Load Box.
- ❖ To plan & Monitor the Passenger Links of JHS Shed.
- ❖ To plan & monitor the movement of outstation Dead / Failed / Overdue locos.
- ❖ To co - ordinate with the Diesel Trouble Shooting Points / Trip Sheds at JHS, GWL, CNB and PRYJ.
- ❖ To liaison with other Diesel Sheds, PRC/JHS, PRC/PRYJ and other Divisional and Zonal Power Controls wherever JHS Locos are running.

- ❖ Monitoring of Incinerator and ETP.
- ❖ Monitoring of RCD and liaison with M/s IOC.
- ❖ Any other work allotted by the Sr. DME/Diesel/JHS as per requirement.

ACHIEVEMENTS

Good Work Done: Self made test benches for electric loco - For testing during maintenance work of electric locomotives, following test benches/ fixture/ gadgets have been prepared by the shed in house:-

EMC Test Bench for Electric locos - For testing of AC Locomotive Equipment i.e. EM Contactor coil resistance, EM Contactor coil pickup & drop voltage.



EPC/EP Valve Test Bench for Electric locos - For testing of AC Locomotive equipments i.e. Electro pneumatic valve coil resistance, coil pickup & drop voltage.



CTF/ Reverser Test Bench for Electric locos - For testing of AC Locomotive equipments i.e. Electro Pneumatic contactor, CTF Servo Motor, Reverser etc.



MP Test Bench for Electric locos - For testing of AC Locomotive equipments i.e. Testing of Conventional type MP.



VCD Test Bench for Electric locos - For testing of AC Locomotive equipments i.e. Testing of performance of Vigilance Control Device unit.



VCB Test Bench for Electric locos - For testing of AC Locomotive equipments i.e. Testing of Vacuum Circuit Breaker - various parameters.



CHBA Test Bench for Electric locos - For testing of AC locomotives equipment (simplified battery charger)



Other Good work done in DLSJ

Loco 40408/WDP4D was stabled in shed from 25 sep'2021 due to SCR assembly failure. This SCR assembly would cost about ₹26.5 Lakh, but with the efforts of shed this problem of SCR assembly is resolved with only ₹12500, now loco is working properly. Net saving ₹ 26 Lakh approx



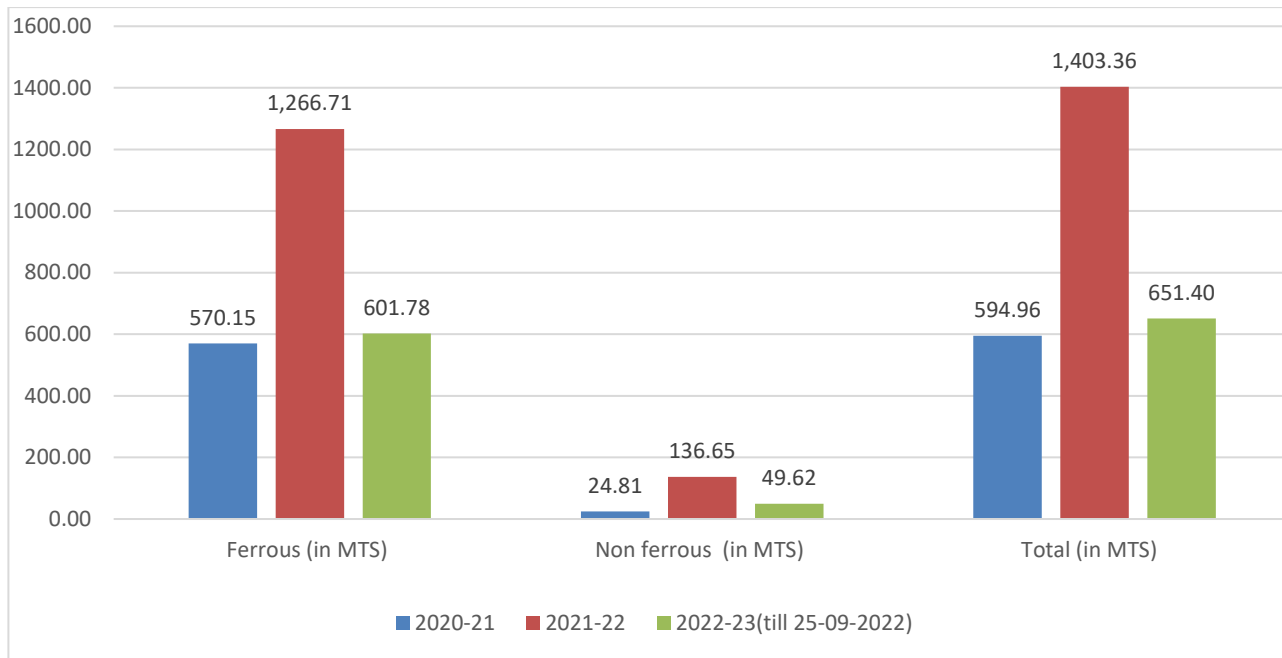
SAVING OF EXPENDITURE

SN	NATURE OF CONTRACT	PRESENT CONTRACT					ACTION TAKEN	REVISED CONTRACT		
		BRIEF PARTICULARS OF CONTRACT	Unit	Awarded Quantity	VALIDITY OF CONTRACT	TOTAL VALUE (in lakhs)		RESULTANT VALUE OF CONTRACT		SAVINGS DONE (in lakhs)
								VALUE(in lakhs)	W.E.F.	
1	AMC	AMC of TCC & LCC (14 Locos)	Loco Days	15344	15.06.19 14.06.22	288.11	Short Closed) (3887 Loco Days Saved)	217.01	31.05.22	71.1
2	AMC	AMC of TCC & LCC (08 Locos)	Loco Days	8768	15.03.19 16.07.22	151.87	Short closed (615 Loco Days Saved)	141.23	31.05.22	10.64
3	Other	Bogie frame uncoupling work	No's	150	02.11.19 01.11.22	9.42	Short closed (133 No's saved)	1.07	20.05.22	8.35

4	Other	Repair and overhauling of radiator core	No's	80	16.09.20 15.09.22	8.70	Short closed (34 No's saved)	5	16.08.21	3.7
5	Other	Overhauling of PTLOC	No's	33	01.02.21 31.01.23	19.67	Short closed (33 No's saved)	0	16.09.21	19.67
6	Other	Overhauling of Woodward Governor	No's	29	29.07.19 28.07.21	54.54	Short closed (14 No's saved)	19.02	28.07.21	35.52
7	Other	Overhauling of Air Dryer	No's	68	20.08.20 19.08.22	43.3	Short closed (28 No's saved)	21.19	19.08.22	22.11
8	CLEAN	Shed Cleaning	Year	2	21.11.18 20.11.21	76.74	Converted to Outcome base contract	57.81	07.01.22	18.93
Grand Total						652.35		462.33		190.02

DISPOSAL OF SCRAP

For the year 2021-22 scrap (in MTS) = 1406.36 - 594.96 = 811.4 MTS, which is overall 136.37 % above compared to scrap value of year 2020-21.



Year	Scrap Target (MT)	Ferrous Scrap Disposal (MT)	Non-Ferrous Scrap Disposal (MT)	Total Scrap Disposal (MT)
2020-21	320	570.15	24.81	594.96
2021-22	320	1266.71	136.65	1403.36
2022-23	330	601.78	49.62	651.41

ACTION PLAN FOR SYSTEM IMPROVEMENT

- Sharing of manuals, maintenance literature online through Google drive.
- Various drives conducted proactively covering locomotives in shed during maintenance to improve reliability for failure prone areas.
- Cross-section audit teams of supervisors are formed for conducting section audits as per schedule.
- Counseling of staff related with safety and given maintenance guidelines to ensure quality work according to SMI and RDSO.
- Training of staff on AC loco maintenance, critical circuit diagrams, loco safety checks and others are conducted in DTC on regular basis.

In order to reduce the failures and improving reliability of locomotives, various drives have been launched. The details of Ongoing drives

- Drive for additional fuel pump circuit breaker modification work.
- Drive for checking of chassis crack in WDM3D locos.
- Drive for checking of contactors/interlocking of all Shunting/Inferior locos.
- Drive for checking of junction box tightness of AC locos.
- Drive for checking of Flasher light hood and Flasher light kit make of AC locos.
- Drive to check & provide BP, FP guard in all main line locos.
- Winter Drive
- Drive for change of major circuit breaker (MFPB1&2, MCB1&2, FPB) in Alco locos.
- Drive for checking of CBC coupler operating handle & its locking arrangement of all locos.
- Drive for checking of P-Pipe condition & its tightness of HHP locos.

Completion of drive from 01 Apr'2022 to 09 Nov'2022

- Drive for checking of water inlet tube in situ position.
- Drive for checking condition of welded part of Tie bar and 'J' bracket by DPT.
- Drive for checking of all under truck item.
- Drive for checking of crack of nose pad lug.
- Summer Drive
- Monsoon Drive
- Drive for checking of draft gear and CBC coupler drive.
- Drive for placing Tiranga sticker in all locos.
- Drive for placing AKAM sticker in all locos.

FACILITIES AT DIESEL SHED /JHS



SIMULATOR



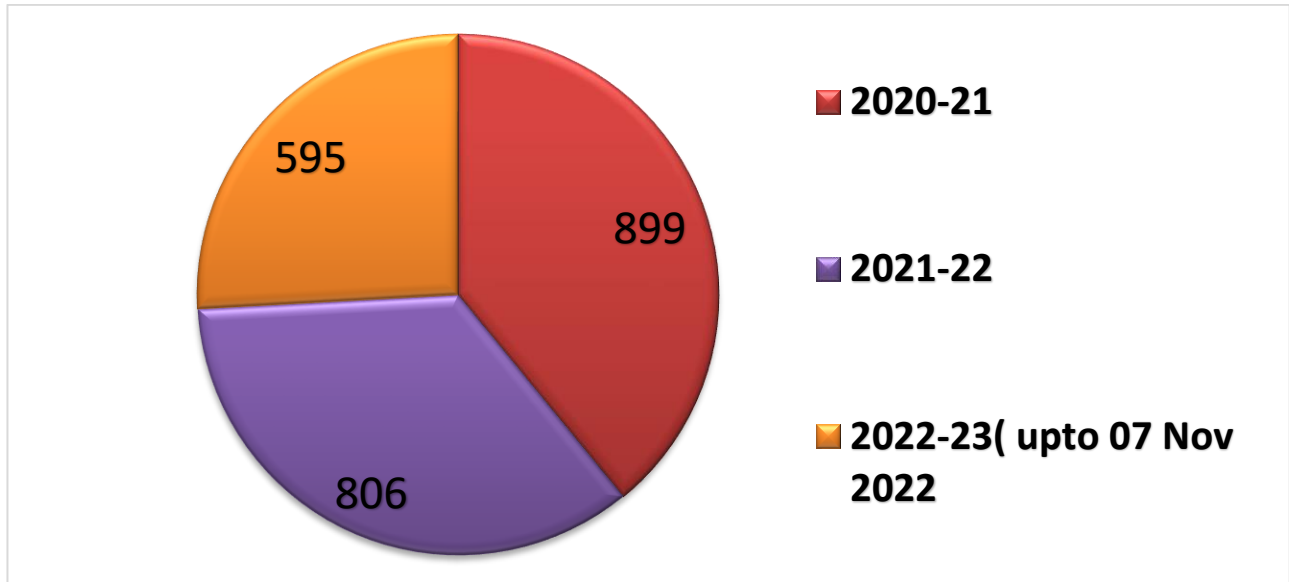
PIT WHEEL LATHE



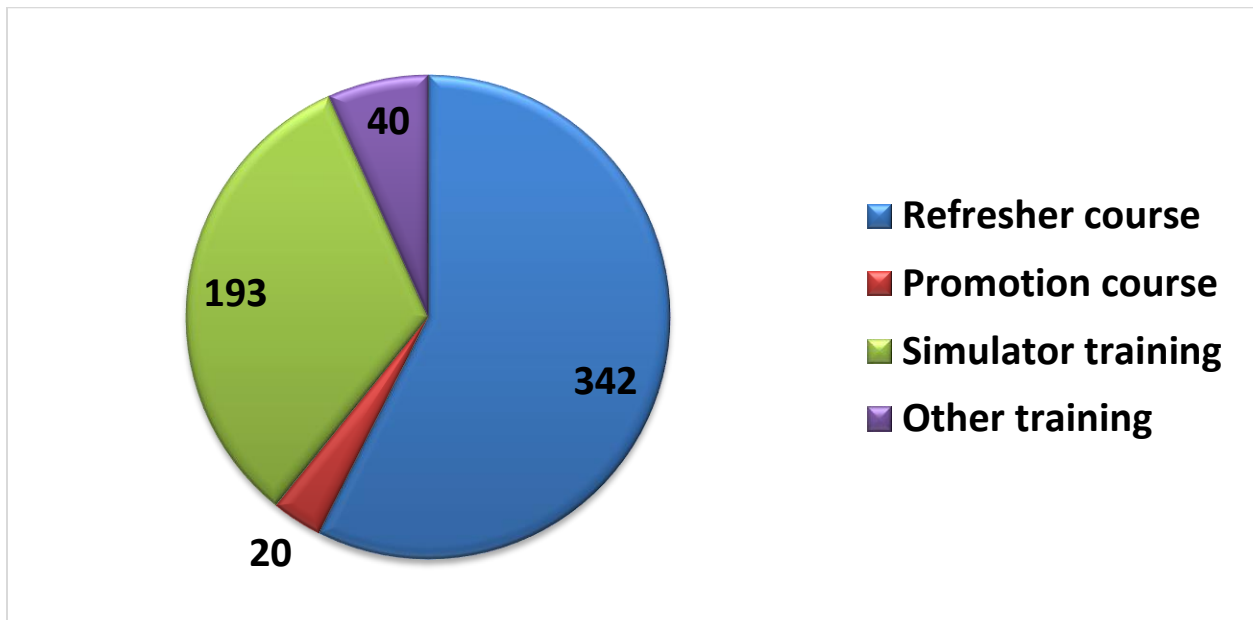
EFFLUENT TREATMENT PLANT

DIESEL TRAINING CENTRE, JHANSI

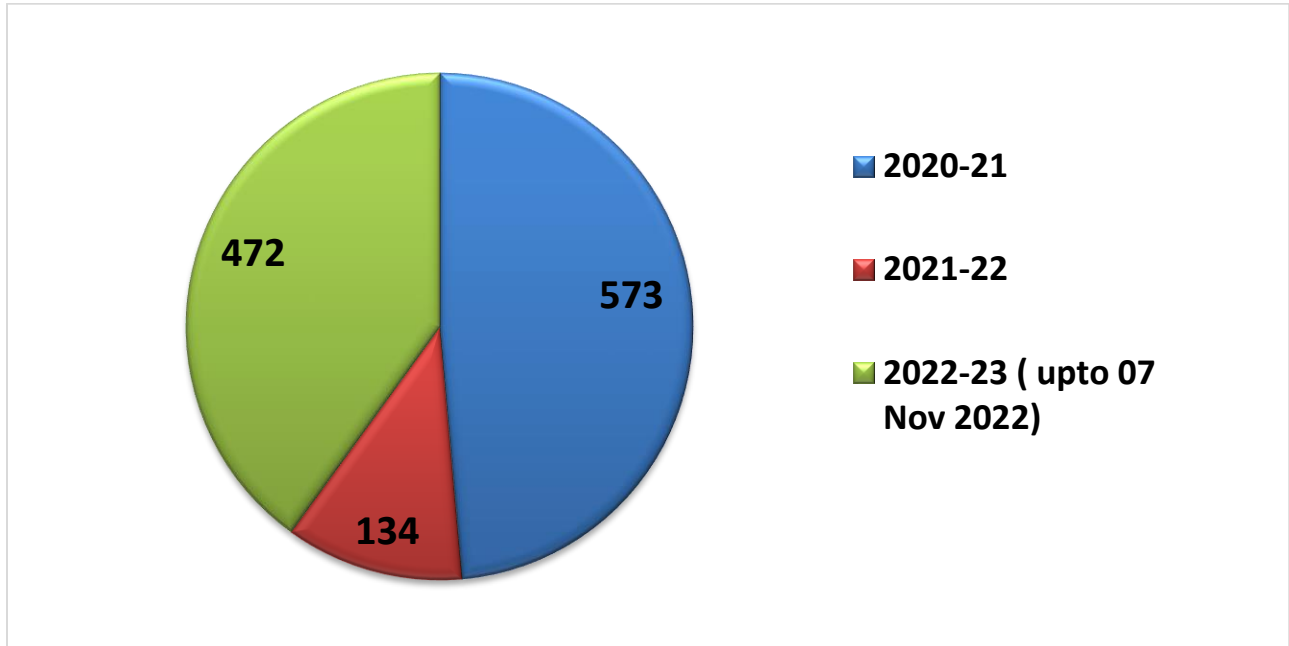
- Year wise staff trained by DTC/JHS (Running Staff)



- Course wise staff trained by DTC/JHS (Running staff) 2022-23 (up to 07 Nov 2022)



- Year wise staff trained by DTC/JHS (Maintenance staff)



- Course wise staff trained by DTC/JHS (Maintenance staff) 2022-23 (up to 07 Nov 2022)

