1. Brief History of Diesel Loco Shed, Itarsi

Diesel Loco Shed Itarsi was established in **1964** with beginning of loco holding **40 nos**. It is now rated as one of the premier shed of Indian Railways.

The Diesel Loco Shed is now homing WDM-2, WDM-3A, WDM-3D and WDS-6 class of Diesel Locomotives .The existing holding of the Shed is **171** locos, with a mail link of **97** Locos and goods outage target of **35** Locos. Now shed is ready to take the challenge of homing WDP-4 (4000&4500HP Locos) GM locos.

A full-fledged Chemical & Metallurgical Laboratory has been established in this shed. Two Effluent Treatment Plant & Incinerator are also available.

A Diesel Technical Training Centre for training the supervisors, artisans and operating/running staff is also functional in the Shed.

LOCO SHED ENTRANCE



MAINTENANCE SHED



COLOR SCHEME OF LOCOS



2. First Loco Homed in Shed : Loco No. 18043 WDM2

3. Details of Heritage Loco : NIL

4. ISO Certification.

- **First Certification ISO 9001–2000 Certified From ICS Mumbai**
- **ISO 9001-2008 - 13.07.2009 Certified from IQCS "Institute of Quality Certifications Services (India)"**
- **ISO 14001–2004 – 19.05.2007 Certified from JAS-ANZ**
- **OHSAS 18001–2007 - 2nd September 2008 Certified From Certification International (UK) Ltd.**

5. Type Wise Loco Holding:

Type of Loco	**Total**
WDM_2	52
WDM_{3A}	57
WDM_{3D}	32
WDS_6	18
TOTAL	**171**

6. Maximum Holding (Year Number of Locos) : 177 Locos in 2009-10

7. Present Loco Link : At present Diesel Loco Shed Itarsi is running **97** prestigious mail/Express trains which inter alia includes-

8. Homing Capacity : 140

9. Augmentation Plans :

In order to improve the overall aesthetic and infrastructural facilities lot of works and M&P's have been planned. The details of which are as under:

a). Works :

- Augmentation and Up-Gradation of facilities of Diesel Loco Shed Itarsi (Pink Book of 2009-10 item no. 399)

- Augmentation and Improvement of facilities at Diesel Loco Shed Itarsi (Pink Book of 2010-11 item no. 400)
- Construction of safe Scrap Yard
- Up gradation of Governor, FIP & Injector Room at Diesel Loco Shed
- Provision of Centralized Air Cooling System
- Modernization of Pneumatic Facility
- Electronic Lorry Weigh Bridge
- Integrated Oil Analyzer Spectrometer
- Re-Railing Equipment Radial Drilling
- Computerized load box with building & platform

b). **M&P's** :

- Brazing Machine
- Thermal Imaging Equipment
- Boring Machine
- Mobile Heating Unit
- Hydraulic Press 40 T
- Dynamic Balancing Machine
- Electrically Operated Heat Treatment Furnace
- Multiguaging system in position
- Loco cleaning syste
- Speed Recorder Calibrator
- Battery Charger Cum Discharger
- Induction Heater
- Spring Coil Testing M/c 16 Ton
- Air Compressor
- Hydraulic Torque wrench
- Liner and Sleeve Outside

10. Other History :

In addition to homing 171 locos, Diesel Shed Itarsi also Maintains and undertakes the complete activities of *140 T Diesel Hydraulic Break Down Crane with 'A' class accident relief train.*

II Vital Statistics:

01.	Sanctioned Strength	=	1294
02.	Man on Roll Strength	=	1160
03.	No. of Officers	=	07
04.	No. of Supervisors	=	100
05.	Total Area	=	150000 M^2
06.	Covered Area	=	18632 M^2

07. % age of staff housed in Railway quarters = 59%

08. Power Consumption = 1440000 KWH

09. Water Consumption = 226800 Kilo Litre/Year

10. Educational Profile of Staff

Up to 8th	8th	10th Pass	10-12th	ITI, Diploma & Digree	Graduate
14%	13%	23%	44%	30%	06%

11. Age Profile of Staff

30 Yrs	30-40	41-50	51-55	56-60
11%	17 %	25%	28%	19%

12. MPR as circulated by E&R Dte: 6.49

III. Performance Parameter:

		Freight	Passenger
1	SFC	2.03	3.70
2	LOC	3.01	

3 Shed consumption of fuel 713 Lts/month

4. Kms. Earned by shed Locos/month 2242107 Kms/month

IV. Important Innovations:

1) Arrangement of Dry Air For Blowing of Electrical Machine
2) Modification in layout of Power Diode Rectifier
3) Modified Water Pressurization Cap
4) Isolation system for traction motor No. 4,5,6 in locos equipped with Microprocessor Based Control System.
5) Multiple Unit Jumper Cable Test Gadget
6) Modified CRO protection Bracket

7) "MCO" Test Gadget for Locomotives equipped with MEP
8) Speed Sensor Fitment Window In MEP LOCO
9) Axle Box, Bull Gear & Suspension Tube safety cover
10) Electronic water level indicator Test Gadget
11) Trouble Shooting Guiding Board for MEP
12) Joy Stick Type Master Controller Test Gadget
13) 'GO'& 'Not GO' gauge for swivel type water pipe
14) Test Bench for "Electro Magnet contactors voltage drop Testing.
15) Run Test of Traction Motor in loaded condition