

RAILWAY : Western Railway

SHED : GANDHIDHAM

BRIEF HISTORY

Photo of Shed



Loco of Shed in colour Scheme



- | | | | |
|----|----------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Year of Establishment | | : 30 May1955 |
| 2 | Road No /Type of the first loco homed in Shed | | : North British Locomotives, glassgow (England) |
| 3 | Details of any heritage Locos in Shed on pedestal or otherwise | | : Three YDM-1R locos sent for Rail Museum at Chennai & Delhi but any loco available in GIM shed, One NBL (YDM-1R) model fabricated & constructed by GIM shed staff was sent as pedestal for heritage purpose. to ADI Rly. Platform No. 1 |
| 4 | ISO Certification Year | 9001 | : Nil |
| | | 14001 | : Nil |
| | | 18001 | : Nil |
| 5 | Type-wise holding | | : Best Diesel shed shield was awarded for the year 2001 by CME- CCG(WR) |
| 6 | Maximum Holding (Year/Number of LOGOS) | | : DEC.1996, TOTAL – 39 (YDM-1R=15, YDM-4=20 & WDS-4B=07) |
| 7 | Present Loco link | | : Shunting |
| 8 | Homing Capacity | | : 20 to 25 locos |
| 9 | Augmentation Plans | | : Planned for maintenance of WDG-4 locos as big new shed. |
| 10 | Other History (Not more than 4 lines) | | : India's first Diesel locomotive (NBL) in 1955 homed at GIM shed, nearby from KDLP & MDPT ports carrying heavy freight operation, therefore maximum type of loco (NBL,YDM-1 to WDG-4) arrived in Shed for maintenance (heavy & minor), done by shed staff till date. |

i) VITAL STATISTIC

- | | | |
|----|-------------------------------------------|------------------------------------|
| 1. | Sanctioned Strength | : 128 |
| 2. | On Roll Strength | : 125 |
| 3. | No. of Offices | : 01 |
| A. | No. of Supervisors | : 09 |
| 5. | Total Area | : (Approx.) 700 meters X 150 meter |
| 6. | Covered Area | : (Approx.) 63 meter X 50 meter |
| 7. | % age of Staff housed in Railway Quarters | : 92.8 % |
| 8. | Power Consumption | : 373.60 KW / Month |

9. Water Consumption : 5000 liters / day

10. Educational Profile of Staff

Up to 8th	> 8th	10th Pass	10- 12th	ITI	Graduate
13.6 %	14.4 %	24 %	17.6 %	24 %	6.4 %

11. Age Profile of Staff

< 30 yrs	30-40	41-50	51-55	56-60
3.2 %	8.8 %	52.0 %	24.8 %	11.2 %

12. MPR as circulated by E & R Dte

: **5.82** (As per CMPE (DSL)CCG's letter no. M268/42/7 dtd. 01.10.2009)

ii) Performance Parameters

1. SFC

: N/A

2. LOC

3. Shed consumption of fuel

WDS-4	WDS-6
1.1	2.6

Freight	(Passenger
N/A	N/A

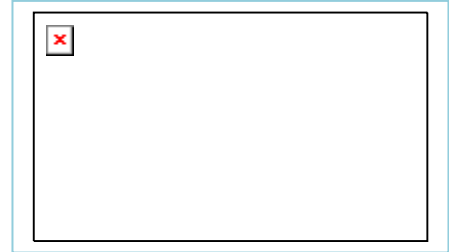
4. Kms. earned by Shed Locos/month:

WDS-4B	WDS-6
41417	43762

iii) Any important innovations :

1. Air brake valves test bench :

A test bench is made to test the 28 LAV-1 air brake valves , like Feed valve, Additional C-2 relay valve, ADC (modified), Air Flow measuring valve, So that the valve can be tested after overhauling to improve the reliability of valve after fitment on locomotives



2. Unloader Valve Test Bench:

Diesel shed, Gandhidham was facing compressor loading/unloading problem (Cases of intercooler safety valve blowing) and non inter changeability of unloader valve assembly. To overcome this, shed has developed a test bench for testing unloader assembly. During cylinder head assembly, suction valve depth for low pressure and high pressure heads and unloader valve height are checked ensuring inter changeability of unloader valve with cylinder head. After assembly, it is checked on the test bench for air leakage if any from the choke. In case of leakage, lapping is giving to valve and valve seat and then only unloader valves fitted on loco.



3. Fuel & Lube oil Valve Test Bench:

An another test bench is made to test the fuel & lube oil valve testing, fuel glow rod, Lube oil inlet & outlet kit, So any leakage or deficiency can be tested after overhauling to improve the reliability of valve after fitment on locomotives



4. AC Gear / Water pump test stand

- Locally developed test stand.
- Helps in checking AC gear and water pump for troubles of sound and leakages like from oil seal & mechanical seal.
- Thus ensures higher reliability of these assemblies.



5. Roller Liner puller for WDS-4B:

When WDS-4 loco's roller liner cracked or broken, no any facility was available in Gandhidham shed and Perforce Loco sent to VTA for above repair. Hence Diesel shed, Gandhidham Staff fabricate a puller which used for roller- liner change as pulling & pressing both action can be done with single device.)

