RAILWAY W.C. **SHED** DIESEL LOCO SHED, NEW KATNI JN.

I BRIEF HISTORY

Diesel Loco Shed, NKJ is the largest and one of the oldest Diesel Sheds of Indian Railways. It started its operations from October, 1962 with 40 locomotives and berthing capacity of 12 locomotives and has gradually increased its holding to 100 locos in 1966-67, 150 locos in 1981-82 and 200 locos in the year 2002-03.

Photo of Shed



Loco of Shed in colour Scheme



1	Year of Establishment	1962				
2	Road No./Type of the first loco homed in Shed				Loco No. 18042 / WDM2	
3	Details of any heritage Locos in Shed on pedestal or otherwise					Loco no.18040 sent to Rail Museum, New Delhi
4	ISO Certification Year					
	9001	March, 2005				
	14001	April, 2008				
	18001	In process				
5	Type-wise holding	WDM2-53	WDM3A-22	WDG3A-118	WDS6-5	TOTAL-198 AS ON 10-07-2010
6	Maximum Holding (Year/Number of Locos)			2009-10 / 203		
7	Present Loco link	31				
8	Homing Capacity	28 locos				
9	Augmentation Plans	Extension of berthing capacity by two locos in progress.				

10 Other History(Not more than 4 lines)
Due to its strategic location, the shed serves the vital need of coal movement from the eastern coal mines of the country to the power houses of western and northern parts of India.

II VITAL STATISTICS

1	Sanctioned Strength	1630
2	On Roll Strength	1361
3	No. of Officers	8
4	No. of Supervisors	138

5	Total Area	216988 Sq.Mtr.					
6	Covered Area	18457 Sq.Mtr.					
7	%age of Staff housed in Railway Quarters		42%				
8	Power Consumption	60000 Units / Month (Avg.)					
9	Water Consumption	70,000 Ltrs. / Day (Avg.)					
10	Educational Profile of Staff	upto 8th	> 8th	10th Pass	10-12th	ITI	Graduate
		10.8%	10.1	8.24	41.38	16.49	12.85

11	Age Profile of Staff	< 30 yrs	30-40	41-50	51-55	56-60
		5 %	14%	30%	37%	14%
12	MPR as circulated by E & R Dte		Actual MPR 5.33 as on June, 2010			

III Performance Parameters

			Freight	Passenger
1	SFC	(Avg. for 2009-10)	2.04	3.7
2	LOC	(Avg. for 2009-10)	2.85	2.78
3	Shed consumption of fuel		84141.66 Ltrs. Per month.	
4	Kms. Earned by Shed Locos/month		2534674.5 Kms. per month.	

IV Any Important Innovations

1. MEASUREMENT OF BACKLASH OF LUBE OIL AND WATER PUMP GEARS
2. WATER PUMP RUN TEST BENCH
3. DYNAMIC BALANCING OF FRONT TRACTION MOTOR BLOWER IMPELLER
4. HYDRO-PNEUMATIC TEST STAND FOR HEAT EXCHANGERS
5. BRAZING ADDITIONAL PLATE WITH ARCHING HORN
6. PROVISION OF IMPROVED DESIGN STOOL TYPE SAFETY GUARDS ON BP AND ANGLE COCKS
7. ON LINE LUBE OIL CENTRIFUGING MACHINE TEST STAND
8. MOTORIZED WHEEL TEST BENCH
9. MODIFICATION OF RECTIFIER BLOWER MOTOR
10. HIGH PRESSURE LINE PROFILE FIXTURE
11. AC MOTOR TEST BENCH
12. MODIFIED LARGER AFTER COOLER TEST BENCH
13. MODIFICATION IN THE LOCOMOTIVES EQUIPPED WITH MICRO-PROCESSOR CONTROL SYSTEM
14. MODIFICATION IN THE POWER GROUND CIRCUIT OF MICRO-PROCESSOR CONTROL SYSTEM BASED LOCOMOTIVES
15. IMPROVEMENT IN RELIABILITY OF SPEED RECORDER
16. KIT FOR ELIMINATING HUNTING PROBLEM IN GE/EDC GOVERNORS
17. CLEANING IN POSITION (CIP) UNIT FOR CLEANING OF PTLOCS.