

INFORMATION OF DIESEL SHED, SABARMATI – WESTERN RAILWAY

I BRIEF HISTORY:

The Diesel Shed, SBI was initially established for maintaining MG Diesel locos. Subsequently the shed was planned to home 50 WDG4 BG, EMD locos. The work of BG shed construction for EMD locos was sanctioned in the year 2007/08 at the cost of Rs. 18.0 Cr. Detailed estimate was of Rs. 24 Cr. The construction work was started w.e.f. 13/02/2008. Wash house for EMD locos was constructed and completed on 22/05/2009. The construction of the shed is running near final stage.

The shed has been planned for further extension to home 50 to 100 EMD BG locos for which Rs. 10 Cr. has been sanctioned in the supplementary Pink Book for the year 2009/10.

The first EMD loco no. 12224 WDG4 arrived at SBI shed on 06/07/2009. Till date, 42 EMD BG locos have been received from DLW/BSB. All locos have been successfully commissioned and on date working on line.

In addition to this, the Diesel shed SBI plays a crucial role on the Meter Gauge system of Western and NW Railways. The shed has the holding of 45 YDM4/4A locos. At present SBI shed runs 27 MG locos in passenger services and giving inferior service outage of 02.43 loco / Day. In addition to this, technical support to MHW shed is also provided by the SBI shed in view of overhauling and supplying MG Diesel locos major assemblies.



01. Year of establishment: SBI Diesel Shed was established on 08.06.1978 to home 55 YDM3/5 loco.

02. Road No. / Type of the first loco homed in shed:

Road No	Type	Date
6050	YDM3	08/06/78
6146	YDM4	23/05/89
12224	WDG4	06/07/09

03. Details of any heritage locos in shed on pedestal or otherwise: Nil

04. ISO certification year:

9002 : 15.11.2001

14001 : NA

18001 : 09/09/2008

05. Type wise holding:

	Type	Holding
BG	WDG4	42
MG	YDM4	45

06. Maximum holding (Year / Number of locos): 2003/04 – 161 YDM4/4A

07. Present loco link: 27 MG locos.

08. Homing capacity: - 50 EMD BG Locos.
150 MG Locos.

09. Augmentation plans: - The work for Augmentation from 50 – 100 EMD locos has been sanctioned for Rs. 10 Cr. In supplementary Pink book for the year 2009-10.

10. Other history:

REHABILITATION AND UPGRADATION TO EXPORT LOCOMOTIVES:

Diesel Shed SBI has been entrusted with the job of carrying out POH, rehabilitation and modifications to export Locomotives for RITES. 26 Such Locos Rehabilitated and upgraded by Diesel Shed SBI have been till now sent to Railways of Foreign Countries like Myanmar, Tanzania and Benin and are successfully running there. The earning on account of deposit work and sale price of the MG locomotives is given as under.

SN	No. of locos	Deposit work in Rs (POH cost)	Sale Price in Rs
01	04	--	35840000
02	15	52383594	54215070
03	05	19651977	20930850
04	02	4412286	7200152
05	04	20300628	13278120
Total	30	96748485	131464192

PERIODICAL OVER HAULING OF YDM4 LOCOS:

On account of creation of isolated MG sections causing bottlenecks in the transportation of the locomotive to shops, the Shed has started undertaking POH of YDM4 locos from the month of June'05. The first such overhauled loco of Dsl/Shed/SBI was flagged off by DRM/ADI on 07.07.2005.

MAJOR OVERHAULS OF 700 HP DEMU DPC ENGINES:

The HQ Office has entrusted Diesel Shed Sabarmati with lending heavy schedule support for BG DEMU engine, Transmission and Controls. The shed has till date carried out overhauling of 08 engines of DEMU DPCs.

12 nos. fuel tank of DPC-BG-DEMU-KKF were provided with Blast top (Anti Explosive Device). Besides the above, the Unit Exchange and material support was continued to be given to DEMU Shed/ADI.

INSTALLATION OF BG DIESEL LOCO DRIVING SIMULATOR:

A BG Diesel loco Driving simulator was installed at Diesel shed, SBI in Dec, 2005. The team of DTTC-SBI has put in tremendous efforts in devising and implementing the various training modules for the simulator training, which has given tangible benefit to the Drivers.

II VITAL STATISTICS:

- 1. Sanctioned strength : 551
- 2. On roll strength : 595
- 3. No. of officers : 05
- 4. No. of supervisors : 82
- 5. Total area : BG- 81000 M²
MG – 60000 M²
- 6. Covered area : BG- 4181 M²
MG – 5835 M²
- 7. %age of staff housed in Railway quarters: 23%
- 8. Power consumption : 75000 units per month.
- 9. Water consumption : 15000 Ltrs. Per day.

10. Education profile of staff :

	Up to 8 th	>8 th	10 th Pass	10-12 th Pass	ITI	Graduate
No	24	104	89	56	301	21
%	4.03	17.48	14.96	9.41	50.59	3.53

11. Age profile of staff :

	<30 Yrs	30-40	41-50	51-55	56-60
No	11	71	309	144	60
%	1.85	11.93	51.93	24.20	10.09

12. MPR as circulated by E&R Dte : 6.83

III PERFORMANCE PARAMETERS:

1. SFC (MG) :

Freight	Passenger
--	5.35

2. LOC : 2.22 (with & without oil change)

3. Shed fuel consumption : 443 Ltrs. Per loco/per month

4. Kms earned by shed loco / month :

BG	10091/Month/Loco
MG	8270/Month/Loco

IV ANY IMPORTANT INNOVATIONS: ---



साबरमती डीजल्स
-ईएमडी लोको केयर सेन्टर-
SABARMATI DIESELS
-EMD Loco Care Centre-
साबरमती-अहमदाबाद

Sabarmati - Ahmedabad – 380019

Fax/Tele: (079)-27503460, Tel: (079)-27506785, 27501560

FAX: Rly: (093)33514 Tele: (093)33500

E-mail:- srdmesbi@gmail.com, / dieselsbi@gmail.com



No. M.233/161/SBI

Date : 26.06.10

To
CMPE(DL) CCG.

Sub : Information of Diesel sheds.

Ref : Your letter No. M.233/171 dated 10.06.10.

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The information called for vide your letter quoted above, pertaining to this shed is enclosed herewith as desired please.

Sr.DME(DL) SBI.

Encl: As above.