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No. EL/3.1.22/4 (Cab)

Dated: As signed

Principal Chief Electrical Engineer,

1. Central Railway, Mumbai, CST-400 001.
2. East Central Railway, Hazipur-844101.
3. East Coast Railway, Chandrashekharapur, Bhubaneswar-751016.
4. Eastern Railway, Fairlie Place, Calcutta-700001.
5. North Central Railway, Block-A, Subedarganj, Allahabad- 211033.
6. Northern Railway, Baroda House, New Delhi-110001.
7. North Eastern Railway, Gorakhpur-273001.
8. South Central Railway, Secunderabad-500 071.
9. South East Central Railway, Bilaspur-495004.
10. South Eastern Railway, Garden Reach, Calcutta-700 043.
11. Southern Railway, Park Town, Chennai-600 003.
12. South Western Railway, Hubli-580020.
13. West Central Railway, Jabalpur-482001.
14. Western Railway, Churchgate, Mumbai-400 020
15. North East Frontier Railway, Maligaon, Guwahati-781011
16. North Western Railway, Jaipur- 302 006
17. Chittaranjan Locomotive Works, Chittaranjan - 713 331
18. Diesel Locomotive Works, Varanasi- 221004
19. Diesel Loco Modernization Works, Patiyala- 147 003

Modification Sheet No. RDSO/2023/EL/MS/0494, Rev. '0' Dated: September' 2023

1. TITLE:

Provision of seat for inspecting official in Electric locomotives.

2. Object:

For providing separate seat for inspecting official in locomotives.

3. History:

Railway Board has advised RDSO to explore the feasibility of separate seat in Electric Locomotive cab for foot plating officials. Different proposal received from zonal railways were analyzed and arrangement suggested by ELS/BRC found more suitable.

4. Arrangement:

A separate foldable seat for inspecting official has been provided in some WAP-7 & WAG-9 locomotives as shown in figure below as per CLW drawing no. 05/1/38/44 i.e. loco pilot seat in old WAM-4/WAG-7 locomotive.

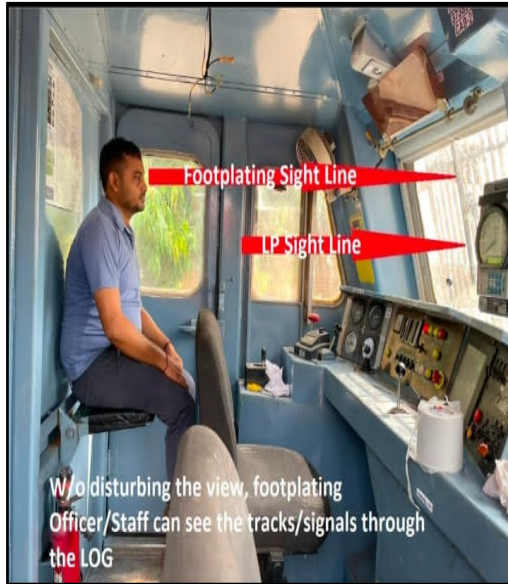


Fig.-1



Fig.-2



Fig.-



Fig.-4

3

As shown in figures above a separate foldable seat with foot rest is provided on the two channels welded in the back wall of cab. Height of this seat from cab floor is 75 cm. Railways may provide a similar type of seat in all locomotives.

5. Material required:

As per CLW drawing no. 05/1/38/44

6. Reference:

Railway Board letter no. 2022/Elect.(TRS)/225/1(NFIR) dated: 29.12.2022 & 12.04.2023

7. Applicable to class of Locomotives:

WAG-9/9H/9HC, WAP-7, WAP-5, WAP-4 & WAG-7 with crew friendly cab

8. Agency of Implementation:

All POH workshop/Electric Loco Sheds/PUs

Encl: CLW drawing no. 05/1/38/44.

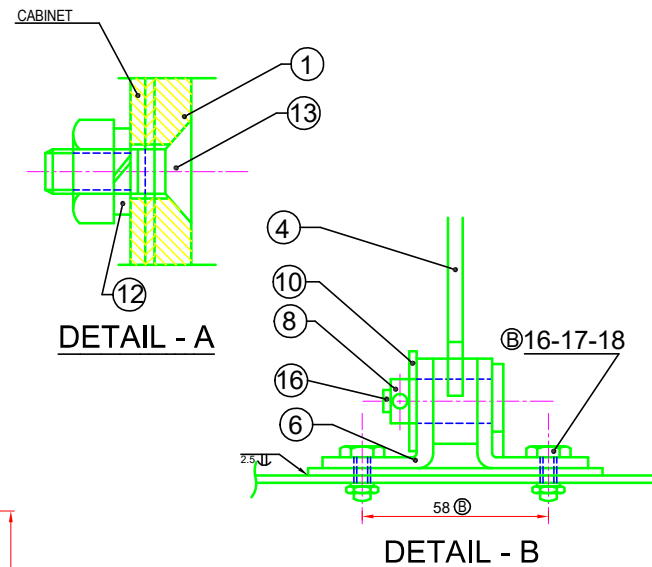
PRATIB
HA
GUPTA
(Pratibha Gupta)
for Director General/Electrical

Digitally signed by PRATIBHA
GUPTA
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REFER DRG. NOS.
05/0/39/54 & 05/0/39/1

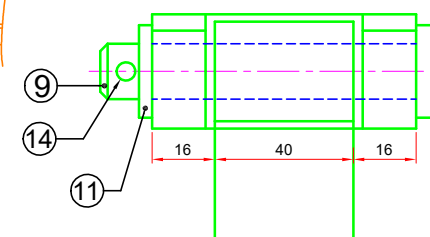
REFER DRG. NO.
05/0/31/1



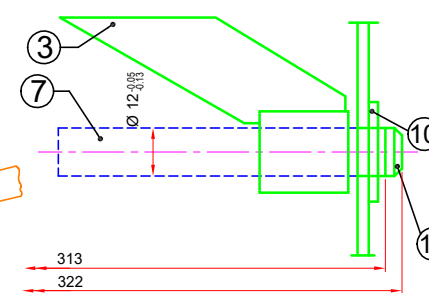
NOTE

1. FOLLOWED FROM IST TO 4TH WAP/P LOCO. FROM 5TH WAP/1 LOCO REFER A DRG. NO. 07/1/38/31.07/1/38/39 & 03/2/38/30
2. THIS DRG. IS SUPERSEDED BY DWG. NO. 05/1/38/86 FROM.
3. THIS DRG. IS TO BE RESPECTIVELY AND ONWARDS FOR WAP/1
5. ALL STEEL COMPONENTS EXCEPT TO BE PAINTED BY GREEN COLOUR OF IS:5 OVER ONE COAT OF RED OXIDE PRIMER (SECNO. 446 OF IS:5) TO IS:2075 MANUFACTURER'S NAME MAY BE PUNCHET ON COMPONENT AT SUITABLE LOCATION.
6. ALT. ⑥ IS TO BE FOLLOWED WITH IMMEDIATE EFFECT. THIS DRG. IS NOT TO BE FOLLOWED FOR RAJ LOCO ONLY FROM THE YEAR 2003-2004 ONWARDS CHANGE IN DESIGN.

SECTION aa




DETAIL - C



DETAIL - D

SCHEMATIC SHOWING THE LOCATION OF DRIVERS SEAT

IS:3073												
NUMBER	N ₁	N ₂	N ₃	N ₄	N ₅	N ₆	N ₇	N ₈	N ₉	N ₁₀	N ₁₁	N ₁₂
0.25	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	
SYMBOL												

R346/221	18	—							
R346/220	17	—							
R346/219	16	—							
R346/146	15	—							
R346/145	14	—							
R346/144	13	—							
R346/143	12	—	SPRING WASHER M14B						
R346/142	11	—							
R346/141	10	—							
R346/140	9	05/4/38/153	PIN						
R346/139	8	05/4/38/152	PIN						
R346/138	7	05/4/38/151	ROD Ø12						
R346/137	6	05/4/38/150							
R346/136	5	05/4/38/149							
R346/135	4	05/4/38/148							
R346/125	3	05/4/38/147							
R346/124	2	05/4/38/146							
R346/101	1	05/4/38/145							
USE DRG FOR RACHANI LOCO									
ITEM	PART DRG. NO.		DESCRIPTION	NO/ LOCO	MATL	SPECN	WT. EAC. FIN SHED		
Sd/-	DRAWN		REFERENCE REF. NO. 2 OF DRG. NO. 05/1/38/45	CHITTARANJAN LOCOMOTIVE WORKS 					
Sd/-	CKD. BY								
Sd/-	S/ELDO (M)								
Sd/-	AME(D)								
Sd/-	DY CEE (D)								
Sd/-				USED FOR LOCO WAM 4, WAG 7					
Sd/-	DATE								
Sd/-	SCALE								
Sd/-									
Sd/-									
APPROVAL REF. NO.			DRAWING NO. 05/1/38/44						
DATED INITIAL									