

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD**

No. 2000/Track-III/TK/18

New Delhi, 22.08.2013

**Addressed to:
As per list attached.**

Sub: Correction Slip No. 12 to Indian Railways Track Machine Manual-2000

The Ministry of Railways (Railway Board) have decided that correction/addition as indicated in the enclosed Correction Slip No. 12 to relevant para of Indian Railway Track Machine Manual 2000 be made.

This issues with the concurrence of the Finance Dte. of the Ministry of Railways.

22/8/13

22.08.13

(S.M.Pandey)

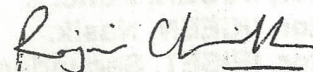
Director Track (MC)
Railway Board.

No. 2000/Track-III/TK/18

New Delhi, 22.08.2013

Copy to:

1. FA&CAOs, All Indian Railways
2. The Principal Director of Audit, All Indian Railways
3. The Deputy Comptroller & Auditor General of Indian Railways, Room No. 224, Rail Bhawan, New Delhi.



For Financial Commissioner/Railways

List

The General Managers (Engg.)- CR, ER, ECR, ECoR, NR, NCR, NER, NFR, NWR, SR, SCR, SECR, SER, SWR, WCR, WR and Metro Railway/Kolkata.

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The CAO/Const. All Indian Railways.

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Managing Director, MRVC, Church Gate, Station Building 2nd Floor, Mumbai - 400020

Managing Director, RLDA, IRCON Office Compound, Next to Safdarjang Rly. Station, Motibagh-I, New Delhi.

Managing Director, Konkan Railway Corporation Ltd., Belapur Bhawan, Sector-11, CBD belapur, Mumbai, Pin- 400614.

The Chief Project Officer, DMRC, Pragati Vihar, New Delhi.

Director, IRICEN, Pune.

Director, IRIEEN, Nasik.

Director, IRISSET, Secunderabad.

Director, IRIMEE, Jamalpur.

Director, IRITM, Vill. Kanausi, Hardoi, Manik Nagar, Lucknow.

Director General, Railway Staff College, Vadodara.

Genl. Secretaries, AIRF, NFIR, IRPOF, FROA, AIRPFA, DAI (Railways) Rail Bhawan, New Delhi.

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PPS to CRB, FC, ME, MM, ML, MT, MS and Secretary.

**PPS/PS to AM(CE), AM (Works), AM (Vig), AM (PL), AM (F), AM (T), AM(Staff).
Adv(L&A), Adv(Proj), Adv(Br).**

EDTK (M), EDTK (P), EDTK (MC), EDCE (G), EDCE (P), EDCE (B&S)-I, EDCE (B&S)-II, ED (W), ED(PM), ED(WP), ED(INF), ED(L&A), ED(L&A)-II, ED(L&A)-III, ED(PSU), ED(MP), EDVE, OSD(ME).

Accounts Code Branch.

**CORRECTION SLIP
TO
INDIAN RAILWAY TRACK MACHINE MANUAL
MARCH 2000**

Correction Slip No. 12

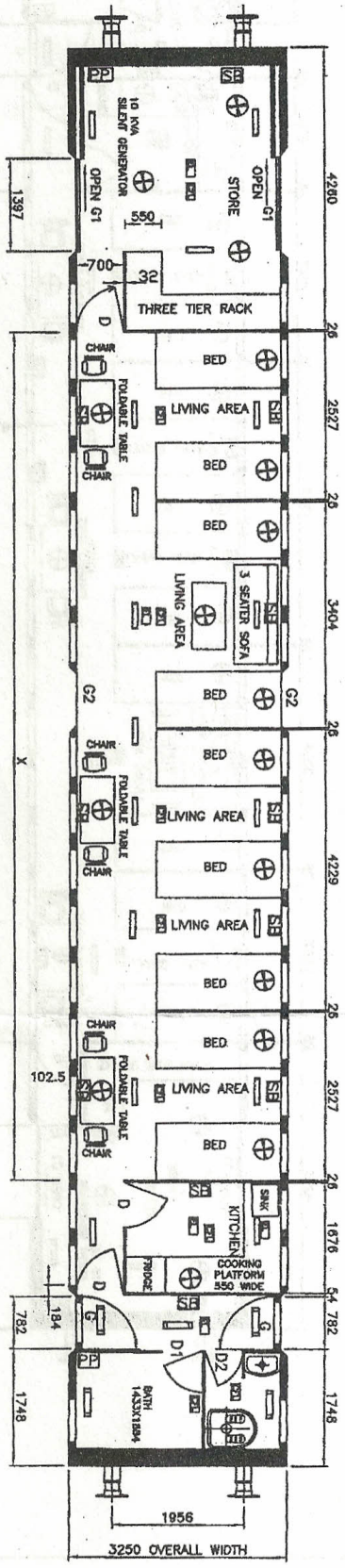
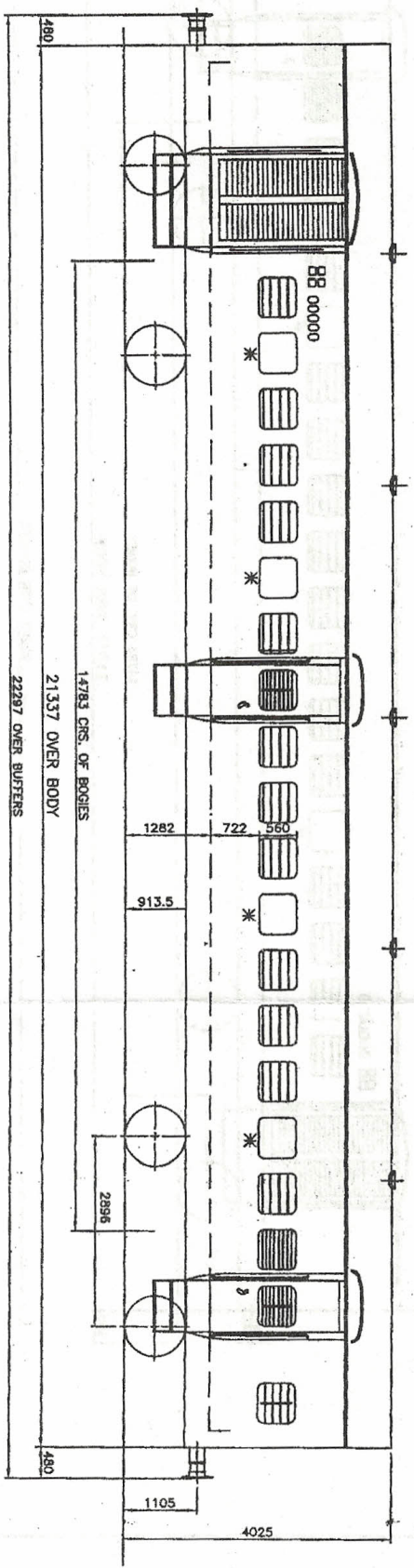
- The annexure 8.2 as given on page 205 of Indian Railways Track Machine Manual-2000 may be replaced with annexure 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6 & 8.2.7 and a new annexure 8.3 may be added. These annexures are enclosed with this correction slip.
- Table 6.2 in paragraph no 6.3.5 given at page number 183 is modified as per table 6.2 enclosed with this correction slip.
- In para 8.4.5, the mention of "annexure 8.2" within bracket in last sentence is replaced with "Annexure 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, 8.2.7 & Annexure 8.3"



Modified Table 6.2

S. No.	Items	Quantity
1.	Welding plant	1
2.	Bench grinder	1
3.	Bench vice and a work table	1
4.	Drill machine	1
5.	Tool kit	1
6.	Portable filter	1
7.	Portable crimping machine	1
8.	Hot air blowers	1
9.	Digital Multimeter	1
10.	Accumulator pressure checking and filling device PC-250 complete	1 set
11.	Torque wrench	1 set
12.	Pendulum calibration pads	1 set
13.	Versine measuring chord	1
14.	Go-No-Go gauge for tamping tynes	1
15.	Tamping tool profile bore gauge	2
16.	Steel scale 1' to 6''	1 set
17.	Taper gauge upto 1''	1
18.	Feeler gauge	1
19.	Thread gauge	1
20.	Cell Tester (battery voltage)	1

pe



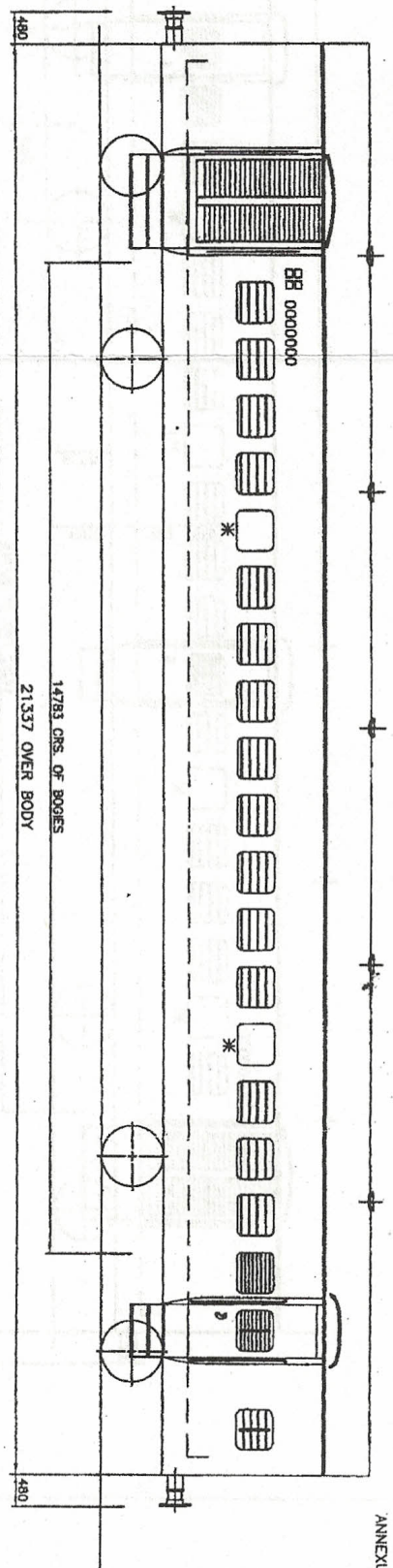
SYMBOL :-

- ⊕ SUNK IN TUBE LIGHT SHALL BE PROVIDED IN FALSE CEILING.
- ⊕ BRACKET FAN SHALL BE MOUNTED ON WALL.
- ⊕ SWITCH BOARD SHALL BE PROVIDED ON WALL.
- ⊕ POWER POINT SHALL BE PROVIDED ON WALL.
- ⊕ 10 W EMERGENCY LIGHT
- ⊕ 15 W CFL ROOF SUNKEN
- X - THE APPROVAL ROOF CEILING FALSE CEILING SHALL BE PROVIDED FOLLOWING THE SLOPE OF EXISTING ROOF CEILING WITH MINIMUM HEIGHT OF 2400mm AT THE CENTRE FROM FLOOR LEVEL.
- G1 - SLIDING DOOR AS PER DESIGN IN PARCEL VANS.
- G2 - NORMAL COACH DOOR.
- D/D1/D2 - SINGLE LEAF HINGED DOORS OF LIGHT MATERIAL SHALL BE PROVIDED WITH AUTO DOOR CLOSING SYSTEM. THE DOOR WIDTH SHALL BE 700/800/520mm RESPECTIVELY.
- * EMERGENCY WINDOW

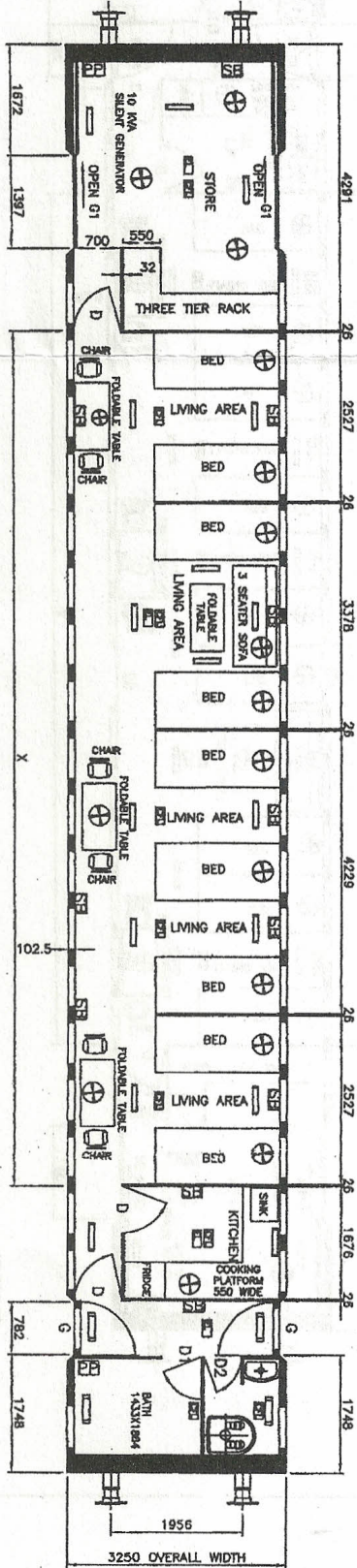
1. UNDO CHANGES IN THE LAY OUT NECESSARY AS PER LOCAL REQUIREMENTS MAY BE CARRIED OUT WITH THE APPROVAL OF PRINCIPAL CHIEF ENGINEER.
2. TOTAL THREE EXHAUST FAN TO BE PROVIDED ONE IN EACH FOR STORE, KITCHEN AND TOILET.
3. ALL DIMENSIONS ARE IN MM.

N O T E S

SPECIFICATION	SCALE	ALT	DESCRIPTION	AUTHY	DRG. No. RDSO/TM/01/11
RDSO SPECIFICATION					
CANC./SUPERD.					
REVCD.					
R.	D.	S.	O.		
CAMP COACH FOR TRACK MACHINES					
STAFF ON GS COACH					
BASED ON RDSO DRG. NO. CSC-1592					
OR SIMILAR					
(CODE-RCO)					



22287 OVER BUFFERS



SYMBOL :-

- ⊕ SLURK IN TUBE LIGHT SHALL BE PROVIDED IN FALSE CEILING.
 ⊕ BRACKET FAN SHALL BE MOUNTED ON WALL.
 ⊕ SWITCH BOARD SHALL BE PROVIDED ON WALL.
 ⊕ POWER POINT SHALL BE PROVIDED ON WALL.
 ⊕ 10 W EMERGENCY LIGHT
 ⊕ 15 W CFL ROOF SLURKEN

- X - THE ADDITIONAL ROOF CEILING (FALSE CEILING) SHALL BE PROVIDED FOLLOWING THE SAME CURVATURE OF EXISTING ROOF CEILING WITH MINIMUM HEIGHT OF 2400mm AT THE CENTRE FROM FLOOR LEVEL.
 G1 - SLEEPING DOOR AS PER DESIGN IN PARCEL VANS.
 G2 - NORMAL COACH DOOR.
 D/01/D2 - SINGLE LEAF HINGED DOORS OF LIGHT MATERIAL SHALL BE PROVIDED WITH AUTO DOOR CLOSING SYSTEM. THE DOOR WIDTH SHALL BE 700/800/520mm RESPECTIVELY.
 * EMERGENCY WINDOW

3. MINOR CHANGES IN THE LAYOUT NECESSARY AS PER REQUIREMENTS MAY BE CARRIED OUT WITH THE APPROVAL OF CHIEF ENGINEER.
 2. TOTAL THREE EXHAUST FAN TO BE PROVIDED ONE IN EACH FOR STORE, KITCHEN AND TOILET.
 1. ALL DIMENSIONS ARE IN MM.

NOTES

RDSO SPECIFICATION

SPECIFICATION

SCALE

ALT

DESCRIPTION

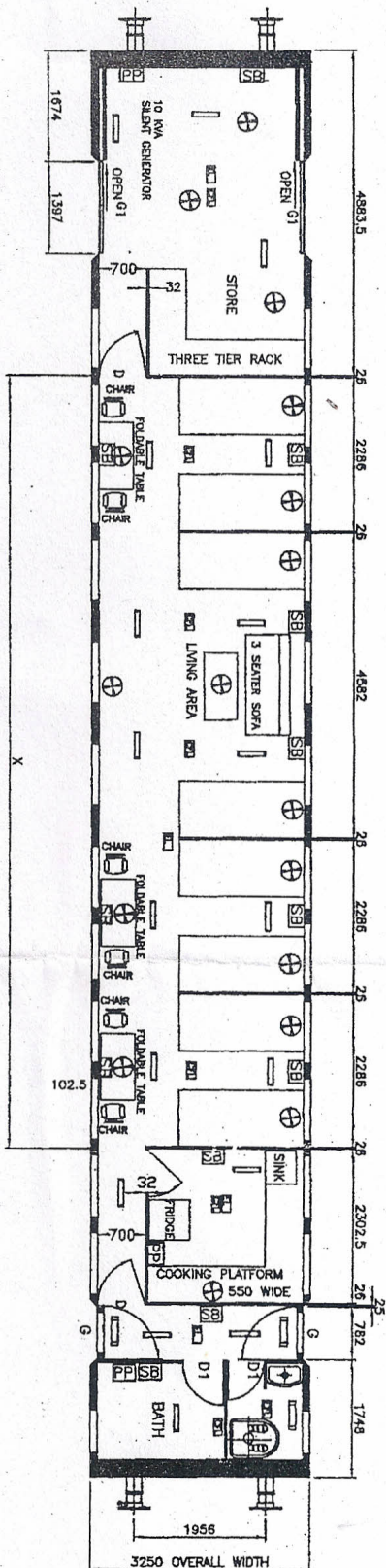
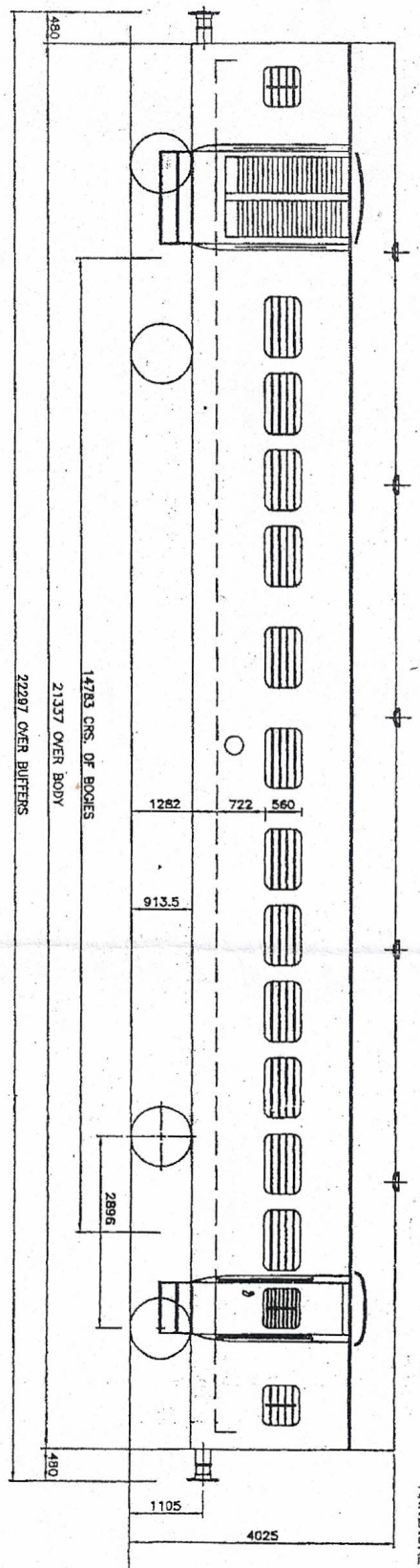
AUTHY

DRG. No. RDSO/TM/02/11

CANG./SUPER

REVED.

R. D. S. O.
 CAMP COACH FOR TRACK
 MACHINES STAFF ON SLEEPER
 COACH BASED ON RDSO DRG.
 NO. CSC-1640 OR SIMILAR
 CODE-(RCC)



SYMBOL :-

- ⊕ SINK IN TUBE LIGHT SHALL BE PROVIDED IN FALSE CEILING.
 ⊕ BRACKET FAN SHALL BE MOUNTED ON WALL.
 ⊕ SWITCH BOARD SHALL BE PROVIDED ON WALL.
 ⊕ POWER POINT SHALL BE PROVIDED ON WALL.
 ⊕ 10 W EMERGENCY LIGHT
 ⊕ 15 W CFL ROOF SUNKEN

- X - THE ADDITIONAL ROOF CEILING (FALSE CEILING) SHALL BE PROVIDED FOLLOWING THE SAME CURVATURE OF EXISTING ROOF CEILING WITH MINIMUM HEIGHT OF 2400mm AT THE CENTRE FROM FLOOR LEVEL.
 G1 - SLIDING DOOR AS PER DESIGN IN PARCEL VANS.
 G2 - SINGLE LEAF HINGED DOORS OF LIGHT MATERIAL SHALL BE PROVIDED WITH AUTO DOOR CLOSING SYSTEM. THE DOOR WIDTH SHALL BE 700/800/ 820mm, RESPECTIVELY.

3. UNDER CHANGES IN THE LAYOUT NECESSARY AS PER LOCAL REQUIREMENTS MAY BE CARRIED OUT WITH THE APPROVAL OF PRINCIPAL CHIEF ENGINEER.
 2. TOTAL THREE EXHAUST FAN TO BE PROVIDED ONE IN EACH FOR STORE, KITCHEN AND TOILET.
 1. ALL DIMENSIONS ARE IN MM

NOTES

SPECIFICATION

SPECIFICATION

SCALE

ALT

DESCRIPTION

AUTHY

DRG. No. RDSO/TM/03/11

CANC./SUPERD.

REVED.

CAMP COACH FOR TRACK
 MACHINES ON FIRST CLASS COACH
 BASED ON RDSO
 DRG.NO.CSC-1686 OR SIMILAR
 CODE--RCC

R. D. S. O.

AMMENITIES TO BE PROVIDED IN CAMP COACH

SL. NO.	DESCRIPTION	QUANTITY
A.	KITCHEN	
1.	Fire extinguisher	02 nos.
2.	Commercial Gas Connection with double cylinder	01 set
3.	Four burner LPG Gas stove	01 no.
4.	RO+UV water purifier	01 no.
5.	Refrigerator-410 lit. capacity	01 no.
6.	Dinner set	01 no.
7.	Thermos 02 lit. cap.	02 nos.
8.	Gas Lighter	02 nos.
9.	Presser cooker 5 lit. cap	01 no.
10.	Presser cooker 3 lit. cap.	01 no.
11.	Casserole 10" dia.	04 nos.
12.	Bhagona Copper base as per required sizes	04 nos.
13.	Plate steel 12" dia.	10 nos.
14.	Kadhaee	02 nos.
15.	Spatula (Karchhul) of various sizes	03 nos.
16.	Service spoon Big	03 nos.
17.	Service spoon small	03 nos.
18.	Service bowl big	03 nos.
19.	Gripper	02 nos.
20.	Tea mug	12 nos.
21.	Stainless Steel Spice Box	01 no.
22.	Stainless steel Container 2 lit.	06nos.
23.	Stainless Steel Container for Floor 15 lit.	01 no.
24.	Stainless Steel Container for Rice 15 lit.	01 no.
25.	Stainless Steel Container for water 20 lit.	01 no.
26.	Stainless Steel Bucket 15 lit.	01 no.
27.	Hot chapatti case	02 nos.
28.	Sink	01 no.
29.	Stool for work	02 nos.
30.	Tea set	01 no.
31.	Tea Strainer (Stainless Steel)-4"	01 no.
32.	Tea spoon	12 nos.
33.	Stainless Steel Utensil Stand (Wall Hanging)	01 no.
34.	Stainless Steel Sauce-Pan (Copper Base) 1 lit.	01 no.
35.	Hot plate iron (Tawa)-12"with handle	01 no.
36.	Pastry Board (Chakla) 10"	01 no.
37.	Pastry Roller (Belna)	01 no.
38.	Fridge water Bottle 1 lit.	6 no.
39.	Dustbin	1 no.

SL.NO.	DESCRIPTION	QUANTITY
B.	LIVING AREA	
1.	LCD/LED Television 28".	01 no
2.	Satellite antenna for TV (DTH)	01 no.
3.	230V AC Desert cooler	06 nos.
4.	Lap Top	01 no.
5.	Foldable tubular chairs	06 nos.
6.	Folding tables- 1000 x 500 mm.	03 nos
7.	Wooden Centre Table 1000X500 mm.	01 no.
8.	Radio/Audio Player	01 no.
9.	Pillow Durafoam/Sleepwell	10 nos.
10.	Pillow cover	20 nos
11.	Curtain	on each window
12.	Bed sheets (Single Bed)	20 nos.
13.	Mosquito net	10 nos.
14.	Woolen Blanket (Raymond)	10 nos.
15.	Sofa	One 3 seater as per the space available.
16.	Insulated Water jug 10 lit. cap	02 nos.
C.	BATH AREA	
1.	Geyser 20 lit. cap.	01 no.
2.	Bucket 20 lit. capacity	06 nos.
3.	Mug	02 nos.
4.	Aluminium/Stainless Steel Stool	02 nos.
D.	STORE	
1.	Welding set 5 KVA	01 no.
2.	Water lifting pump	02 nos.
3.	Portable Drilling machine	01 no.
4.	Portable grinding machine	01no.
5.	Diesel filling pump	01 no.
6.	Silent DG set 10 KVA	01 no.
7.	Foulding Cot (Single Bed)	





- | | |
|--|------------|
| E-BEAM SPECIFICATION NO. E/189/SP/EC/0019 OF FEB, 2011 | |
| CABLE SIZE | 2.5 SQ. MM |
| SYMBOL | 4 SQ. MM |

REF: E/6.9.12/SYSTEM	
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ANNEXURE-8.2.6

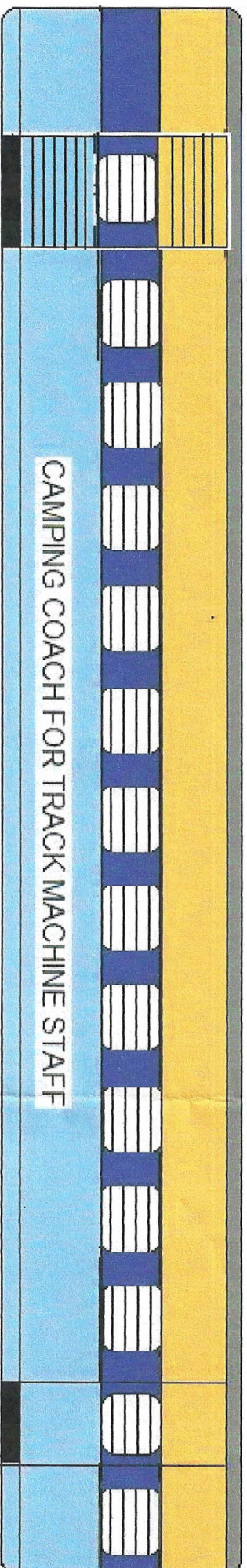
PAINT SCHEME FOR CAMP COACH






Following painting system shall be followed:

- | | |
|---|----------------------|
| 1. Grit blasting | |
| 2. Isophthalic putty | |
| 3. Primer red oxide zinc chromate to IS: 2074 | One coat |
| 4. Filler grey to IS:110 | One coat |
| 5. Knifing stopper (Putty) to IS:5083 | 1 st coat |
| 6. Wet rubbing | |
| 7. Knifing stopper (Putty) to IS:5083 | 2 nd coat |
| 8. Wet rubbing | |
| 9. Necessary putty | |
| 10. Wet rubbing | |
| 11. Filler grey to IS:110 | 2 nd coat |
| 12. Dry rubbing | |
| 13. Undercoat, synthetic enamel to IS:8662 | One coat |
| 14. Dry rubbing | |
| 15. Finish coat, Synthetic enamel to IS:8662 | One coat |
| 16. Glaze coat (1:1 mixture of synthetic enamel to IS:8662
& Synthetic clear varnish to IS: 524) | |
| 17. Lettering | |



ANNEXURE - 8.2.7



-  Gray
-  Golden Yellow
-  Indigo
-  Light Turquoise
-  Black

Annexure-8.3

The camp coach shall be provided with Air Brake System. The coupling to be provided shall be normal IR standard screw coupling. The following modification work for non-AC Camping Coaches shall be performed in standard coach as per Annexure 8.2.1, 8.2.2 and 8.2.3 and the amenities shall be provided as per annexure-8.2.4. The drawing in Annexure-8.2.1, 8.2.2 & 8.2.3 and amenities suggested vide Annexure-8.2.4 is only for guidance purposes and Railways may decide to have different drawing & amenities as per their local requirements. Railway may convert selective cabin/cabins into Air Conditioned cabin/cabins as per requirement. In this respect, electrical circuit may be modified accordingly.

1.0 LIVING AREA:

The living area in the proposed layouts is marked as 'X'.

- 1.1 Additional roof ceiling (False ceiling) shall be provided following the same curvature of existing roof ceiling with minimum height of 2400 mm at centre from floor level. This will reduce the heat in the coach.
- 1.2 Beds shall be provided at the level of lower berths as in 1st AC coaches
- 1.3 The size of beds shall be 1850 X 850 mm and should be box type with cushion top as in 1st AC coaches.
- 1.4 The beds shall be boxed type and can be open in upward direction to accommodate linen items etc.
- 1.5 Upper existing berths shall be removed.
- 1.6 In place of upper existing berths, wooden cabinets shall be provided of size 1850x300x300 mm (approx) above all the beds just below the false ceiling
- 1.7 Flooring in this area shall be of same standard as in the 1st AC class.
- 1.8 Sofa, tables and chairs shall be provided as shown in the drawing.

2.0 KITCHEN:

- 2.1 Layout and dimensions shall be as per annexure no. 8.2.1, 8.2.2 and 8.2.3.
- 2.2 Granite/Marble top shall be provided on cooking platform (550 mm wide).
- 2.3 One of the existing water tanks of the coach shall be used for water arrangement.
- 2.4 One exhaust fan shall be provided at suitable location.

3.0 BATHING AREA & TOILET:

- 3.1 One of the existing water tanks of the coach shall be used for bathroom water arrangement. Complete bath fittings as available in AC 1st Class coach, shall be provided in bathing area.
- 3.2 The toilet shall be of 'bio-toilet' type being used in Indian Railways. In this regard Schedule of Tech. Requirement no. C-9908 Rev.1 issued by RDSO may be followed as guidelines.

4.0 ELECTRIFICATION PLAN:

The electric supply arrangement shall be as in annexure-8.2.5.

4.1 Battery blocks provided with the coach shall be utilized as it is, except the self generating equipment and alternator. In place of these, a 230V AC/110V DC battery charger will be provided for the purpose of charging of coach batteries. The coach electrification shall be from following three source of supply.

4.1.1 Electricity may be obtained from outside supply available at Railway stations/Sidings.

4.1.2 A 3-phase 10KVA silent DG set will be housed in camp coach for fulfilling the requirement of electricity.

4.1.3 In case of failure of batteries, there shall be the provision of 9 roof sunken CFL to be illuminated by AC supply.

4.2 The electrical appliances/fittings to be provided in camp coach are being listed below.

4.2.1 Fluorescent lights roof Sunk in- 21 nos.

4.2.2 Brackets fans 225mm - 17 nos.

4.2.3 Roof sunk in lights (CFL-15W) - 09 nos.

4.2.4 Exhaust fan - 03 nos.

4.2.5 Power point 15A - 02 nos.

4.2.6 Plug point -02 nos.

4.2.7 Emergency lights-04 nos.

5.0 STORE MANAGEMENT:

5.1 Store room shall be provided, for keeping the small spares of the machine, as shown in the camp coach layout.

5.2 This store shall be provided with cabinets/rakes at suitable height with locking arrangement.

5.3 In addition to store given in coach layout additional under slung boxes shall be created for heavy spares of the machines. These boxes shall be used for keeping empty drums, hydraulic hoses and heavy spares of the machine. The design of the boxes shall be according to the requirement for particular machine. The safety factor for welding work of the boxes shall be sufficiently high so that there shall be no failure on account of welding work.

5.4 Existing water tanks of store side shall be removed.

6.0 DOORS:

6.1 D, D1 and D2 as shown in annexure 8.2.1, 8.2.2 and 8.2.3 respectively are indicating the doors of size 700/600/520mm.

6.2 G indicates normal size of the coach gate.

6.3 G1 indicates the sliding doors similar to parcel van gate to accommodate the DG set and heavy store items.

6.4 G2 shown in annexure 8.2.1, indicates closed coach door.

7.0 WINDOWS:

7.1 Wire mesh on all windows from outside for mosquitoes/insects protection.

7.2 Curtains on all windows.

7.3 Suitable rain-shed should be provided on each window.

7.4 Window frames shall be sealed suitably to prevent water leaking during rain.

8.0 PAINT SCHEME FOR CAMP COACH

Paint scheme for camp coach shall be as per annexure-8.2.6 and the color combination for all coaches shall be followed as per the diagram attached as annexure-8.2.7. The diagram shown in the annexure 8.2.7 is only symbolic to show the color combination for coach.

