

**WAGON DIRECTORATE****RESEARCH DESIGN AND STANDARDS ORGANISATION****1.0 TITLE MASTER LIST OF MAINTENANCE/HANDLING INSTRUCTIONS****(Effective from 01.01.2019 To 31.12.2019)**

S.NO.	Date of Amendment	Page Nos.	Version	Reason for Amendment
1.	NIL	N.A.	0	1 <sup>st</sup> issue
2.	15.12.99	NIL	1	1 <sup>st</sup> issue
3.	15.01.2001	NIL	2	3 <sup>rd</sup> issue
4.	15.01.2002	NIL	3	4 <sup>th</sup> Issue
5.	15.01.2003	NIL	4 <sup>th</sup>	5 <sup>th</sup> Issue
6.	15 .01.2004	NIL	5 <sup>th</sup>	6 <sup>th</sup> Issue
7.	15.01.2005	NIL.	6 <sup>th</sup>	7 <sup>th</sup> Issue
8.	15.01.2006	NIL	7 <sup>th</sup>	8 <sup>th</sup> Issue
9.	15.01.2007	NIL.	8 <sup>th</sup>	9 <sup>th</sup> Issue
10.	15.01.2008	NIL	9 <sup>th</sup>	10 <sup>th</sup> Issue
11.	15.01.2009	NIL	10 <sup>th</sup>	11 <sup>th</sup> Issue
12.	15.01.2010	NIL.	11 <sup>th</sup>	12 <sup>th</sup> Issue
13.	15.01.2011	NIL	12 <sup>th</sup>	13 <sup>th</sup> Issue
14.	15.01.2012	NIL	13 <sup>th</sup>	14 <sup>th</sup> Issue
15	15.01.2013	NIL	14 <sup>th</sup>	15 <sup>th</sup> Issue
16	15.01.2014	NIL	15 <sup>th</sup>	16 <sup>th</sup> Issue
17	15.01.2015	NIL	16 <sup>th</sup>	17 <sup>th</sup> Issue
18	15.01.2016	NIL	17 <sup>th</sup>	18 <sup>th</sup> Issue
19	15.01.2017	NIL	18 <sup>th</sup>	19 <sup>th</sup> Issue
20	15.01.2018	NIL	19 <sup>th</sup>	20 <sup>th</sup> Issue
21	15.01.2019	NIL	20 <sup>th</sup>	21 <sup>th</sup> Issue
22	15.01.2020	NIL	21 <sup>th</sup>	22 <sup>th</sup> Issue

Approved by	Director/Wagon
Signature	

**LIST OF GOODS MAINTENANCE /HANDLING INSTRUCTIONS**

<b>S.No.</b>	<b>Name of Manual/ Publication</b>	<b>Description</b>	<b>Year of Revision</b>	<b>No. of Correction slips issued</b>	<b>Last correction Slip No. &amp; date</b>	<b>Issuing Authority</b>
1	G-2/Dec.60	80 Ton bogie open wagon type "BOX" (Mark-1)	Dec.,61	-	-	Dir. Wagon.
2.	G-7/Jan.,63	Bogie wagon type "MBOC" (Open Coal)	Jan.,63	-	-	-do-
3.	G-15	Four Wheel wagon type "O" (open)	March,61	-	-	-do-
4.	G-16 Rev.2, July'78.	Special features and operating instructions 80 ton bogie open wagon type "BOX"	Revision in July,78 as (Rev.-II.)	Corrigendum No. 3 of Feb.,86	Corrigendum No. 2 of Sept,83	-do-
5.	G-29/Oct.,62	Bogie hopper wagon type 'BOB'		-	-	-do-
6.	G-33(Rev.-1)	Technical Pam plate for Tippler Insulation.	02/06 (Rev.-1) may. 2010	-	-	-do-
7.	G-37 (Rev.-1)	Recommend practice for welded fabrication in wagon	April,1971 as G-37 (Rev.-1)	-	-	-do-
8.	G-38	Instructions for operation and maintenance of liquid chlorine tank wagon, type "TCL".	-	-	-	-do-
9.	G-40	Manual of instructions for anhydrous ammonia tank. Type `TAL` Wagon.	Oct.,76	-	-	-do-

S.No.	Name of Manual/ Publication	Description	Year of Revision	No. of Correction slips issued	Last correction Slip No. & date	Issuing Authority
10	G-44	Instructions for operating staff hump shunting and marshalling of BOX Wagon.	Aug.,69	-	-	Dir. Wagon.
11	G-45 H	Instructions for fitting trapauling equipment on "BOX" wagon.	1978	-	-	-do-
12	G-55	"Instructions for maintenance and operation of hydrochloric acid tank wagon type "THA" (preliminary issued in Jan.,68 (File Ref. MW/WT/HCL)	Jan.,68	-	-	-do-
13	G-60	Instructions for maintenance and operation of bitumen tank wagon type "TB" (preliminary)	Oct.,76	-	-	-do-
14	G-61/Oct.,1971	Operating instructions for sliding roof wagon	Oct.,71	-	-	-do-
15	G-62/June,1983	Maintenance Manual of Alliance -II Coupler	June,1983	-	-	-do-

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16	G-65/1983	Maintenance Manual for 4-wheeled liquefied petroleum gas tank wagon type "TPGLR" (Preliminary)	1983	Corrigendum No.4 of July,2003	Corrigendum No.3 of December,1999	Dir. Wagon.
17	G-66/1983	Maintenance Manual for TSA & MBTSA	1983	-	-	-do
18	G-70/1986	Maintenance Manual for BOXN	8/86	Corrigendum No.1 of Aug.,98	-	-do
19	G-71/1996	Maintenance Manual for Phosphoric Acid Tank Wagon	June,92	Corrigendum No.1 of Feb.,99	-	-do-
20	G-72 (Rev.3 ) (Sup.Rev.2 of oct.01	General Std. Spec. for fabrication of wagon 'U' frame and bogies	(Rev.-3) April.-07	Corrigendum No. 2 of Jan. 08	Corrigendum No. 1 of Oct. 07	-do-
21	G-73,2005 (Rev. I)	Operation and maintenance Manual for BOBR/BOBRN Wagon	Oct.-05 <b>Rev. 02 of July 2018</b>	-	-	-do-
22	G-76/1987	Instruction and Maintenance CBC for line staff.	1987	-	-	-do-

S.No.	Name of Manual/ Publication	Description	Year of Revision	No. of Correction slips issued	Last correction Slip No. & date	Issuing Authority
23	G-79	Instruction for operation and Maintenance for BTAL/BTALN.	-	Corrigendum No.1 of April,99	-	Dir. Wagon.
24	G-80/1989	Instructions for maintenance CBC (for workshop)	1989	-	-	-do-
25	G-81	Inspection and maintenance of cartridge taper roller bearing fitted on Casnub Bogie.	July,1993 (Rev.-2 of Nov. 2017)	-	-	-do-
26	G-82	Instructions for operation and maintenance BG bogie tank wagon for Alumina type 'BTAP'	June,88	-	-	-do-
27	G-83	Instructions for operation for maintenance of "BTCS" wagon.	August,1988	-	-	-do-
28	G-84	Instructions for operation and maintenance of M/s. BHEL,Hardwar Alaknada,8 Axle B.G. well wagon type special wagon fitted with UIC bogie and CBC (T) and Vacuum brake system.	Dec.,1988	-	-	-do-

S.No.	Name of Manual/ Publication	Description	Year of Revision	No. of Correction slips issued	Last correction Slip No. & date	Issuing Authority
29	G-85, April, 89	Operational Instructions for shading roof on BOX	April, 89			Dir. Wagon.
30	G-86, (Rev.-1)	Maintenance manual for bogie liquefied petroleum gas tank wagon type BTPGL./BTPGLN	Revised in 1994, New No. is G-86-Rev.-1)	Corrigendum No.1 of Dec.99.	-	-do-
31	G-87	Safe handling of hazardous chemicals transported in Rail Tankers	-	-	-	-do-
32	G-90/1993	Maintenance and operating instructions for bogie petrol tank wagon type "BTPN"	Nov.'91	Amendment No. 6 of Oct. 2016	Amendment No. 5 of Dec. 2015	-do-
33	G-92/1998	Maintenance of IRSA-600 Slack Adjuster.	Sept.,98	-	-	-do-
34	G-95 (Rev.-1) March, 1997	Preparation for common maintenance manual for all various of BG Casnub Bogie 22W, 22W(M), 22NL, 22 NLB, 22NLB, 22NLM and 22HS bogie.	Rev. 1 in 1997	Amendment No. 5 of Jan.2003	Amendment No.4 of April.2002	-do-

S.No.	Name of Manual/ Publication	Description	Year of Revision	No. of Correction slips issued	Last correction Slip No. & date	Issuing Authority
35.	G-97/1997	Maintenance Manual of air brake system for freight stock.	May,96	Amendment No. 3 of Jan.2010	Amendment No. 2 of July.,2001	Dir. Wagon.
36.	G-100	Instruction for Inspection & Maintance of Automatic Twist locks (ALT) Devices fitted on container flat Wagon.	July 2010	Amendment No. 1 of May.2012	-	-do-
37.	G-103	Strengthening of u/frame Repair of Critical Weld Joints. Repair of centre sill, centre Girder & sole Bar Craacks.	Nov. 2010 (Rev.-2) of May. 2011	-	-	-do-
38	G-104	Schedule of Infrastructure Requirement of Manufacturing Testing & Quality Control Requirement for Bogie Mounted Brake System.	Aug.2014	-	-	-do-
39	G-105	Standards of Infrastructure, Manufacturing, Testing and Quality Assurance Systems to qualify as Railway Wagon Builder	June-2011	-	-	-do-

S.No.	Name of Manual/ Publication	Description	Year of Revision	No. of Correction slips issued	Last correction Slip No. & date	Issuing Authority
40	G-106	Operation and Maintenance Manual for Bogie Covered Double Decker Wagon Type `BCACBM`	Feb.-2014	-	-	Dir. Wagon.
41	G-107	PROCEDURE FOR RECAMBERING OF BOGIE RAIL WAGON TYPE BRN/BRNA/BRNAHS	May.2015	-	-	-do-
42	G-108	Instruction for Maintenance operation Bogie Patrol Tank Wagon type –BTFLN.	Oct.-2015	Amendment No. 2 of Oct. 2016	Amendment No. 1 of Dec. 2015	-do-
43	G-109	Maintenance & operation of 296t. 28-AXLE Threaded Beam. BG Special Wagon. BHEL/HARIDWAR.	Nov. 2015	-	-	-do-
44	G-110	Guidelines for operation and repair Of Bogie Covered Wagon for Flyash/Cement Type BCFC	Jan. 2017	-	-	-do-