

HANDOUT ON DISASTER MANAGEMENT (MECHANICAL)

ART Database

S N	Location	Type of ART	Make of HRE	Year of HRE	Make of HRD	Year of HRD	Capacity of Crane	Make of Crane	Design (Old/New) of Crane	Year of manufacture of crane	No of coaches attached with ART	No of old/over aged coaches	No of old, over aged coaches to be replaced/converted during the current financial year.	No of wago ns attached with ART
1	DNR	'A' Class	MF D & BEMCO	2007 & 2023	Holmatro	2018	140 T.	Gottwaldov	Old	2003	04	NIL	NIL	02
ART Database														
2	JAJ	'B' Class	MF D & BEMCO	13.08.2007 & 08.07.2023	Holmatro	2018	N/A	N/A	N/A	N/A	03	NIL	NIL	03

SPARME/ARME Database

SN	Location	Type of ARME	Make of HRE	Year of HRE	Make of HRD	Year of HRD	No of coaches attached with SPARME/ARME	No of old/over aged coaches	No of old, over aged coaches to be replaced/converted during the current financial year.
1	DNR	SPARME	BEMCO	2017	LUKAS	2023	3	NIL	NIL
2	JAJ	ARME	N/A	N/A	LUKAS	25.05.2007	2	NIL	NIL

Composition of ART/DNR

Div	Depot	Vehicle No	Type	Base	Used as	Built Date/Re-built date	POH workshop	POH Date	RT. Date	Speed (KMPH)
DNR	DNR	ECR 96901 WRT	AB	SPJ	Mat. Van	1996	HRT	02/21	06/25	110
DNR	DNR	ECR 034171 RT	AB	DNR	Mat. Van	2003	HRT	11/23	01/28	110
DNR	DNR	ECR 02293 RSV	AB	SEE	Staff. Van	2002	HRT	11/22	01/27	110
DNR	DNR	WCR 31162212802M1 BCNAHS	AB	DNR	P.Way. Mat. Van	2022	TWL	09/22	09/28	100
DNR	DNR	SWR 56150835818 BRNAHS	AB	DNR	P.Way.Mat.Van	2008	RWS	10/23	05/28	100
DNR	DNR	ECR 930010	AB	DNR	MAT.Van	1993	HRT	01/22	02/26	110

Composition of ART/JAJ

Div	Depot	Vehicle No	Type	Base	Used as	Built Date/Re-built date	POH workshop	POH Date	RT. Date	Speed (KMPH)
DNR	JAJ	ECR 920020 WRT	WRT	SPJ	MFD Equipment Van	1992	HRTS	17.11.22	12/26	110
DNR	JAJ	ECR 064747	VPH	SEE	Elect/S&T Equipment Van	2006	HRTS	06.03.24	10/25	110
DNR	JAJ	ECR 02294	Staff rest van	DHN	Staff Rest Van	2002	HRTS	28.11.22	01/27	110
DNR	JAJ	NCR 31130628758	BCNAHSM1	-	P.Way Material Van	2006	KTTW	13.04.19	05/25	100
DNR	JAJ	SCR 31092410224	BCNAHSM1	-	P.Way Material Van	2023	TWL	20.01.24	01/30	100
DNR	JAJ	WCR 56160636269	BRNAHS	-	P.Way Material Van	2006	DHD	31.08.21	03/26	100

Composition of SPARME/DNR

Div	Depot	Vehicle No	Type	Base	Used as	Built Date/Re-built date	POH workshop	POH Date	RT. Date	Speed (KMPH)
DNR	DNR	ECR 130007	Tool van	DNR	Tool van	2013	CB Workshop Lucknow	10/21	09/25	110
DNR	DNR	ECR 134488	Sup.Van	DNR	Sup.Van	2013	CB Workshop Lucknow	10/21	09/25	110
DNR	DNR	ECR 130008	Medical van	DNR	Medical van	2013	CB Workshop Lucknow	10/21	09/25	110

Composition of ARME/JAJ

DNR	JAJ	EC 930043 ARH	ARH	DNR	Aux.Medical van	1993	HRTS	06.07.24	08/28	110
DNR	JAJ	ECR 021153 RH	RH	DNR	Medical van	2002	HRTS	01.10.2024	11/2028	110

COMPOSITION OF 140 T. BD CRANE/DNR

Div	Depot	Vehicle No	Type	Base	Used as	Built, Re-built Date	POH workshop	POH Date	RT. Date	Speed (KMPH)
DNR	DNR	ER 143010 BDC	AB	DNR	140T.BD crane	2003	JMP	12/20	12/26	100
DNR	DNR	ECR 034095 RT	AB	DNR	Mat. Van	2003	HRT	11/23	01/28	110
DNR	DNR	ECR 02439 RSV	AB	DHN	Staff. Van	2002	HRT	12/22	01/27	110

ART/ARME/SPARME-GPS ENABLED DETAILS.

<u>S</u> <u>N</u>	<u>Divisi</u> <u>on</u>	<u>Locatio</u> <u>n</u>	<u>Type of</u> <u>ART/ARME/SPARME</u> <u>/ CRANE</u>			<u>No of</u> <u>GPS</u> <u>provid</u> <u>ed</u>	<u>Device make and</u> <u>model</u>	<u>Sim card</u>	<u>Date of</u> <u>installati</u> <u>on</u>	<u>Connect</u> <u>ed with</u> <u>Rail</u> <u>Netra or</u> <u>Not</u>	<u>Functioni</u> <u>ng/ Not</u> <u>functionin</u> <u>g</u>
1	DNR	DNR	ART/DNR	A	–	01	Primesys Technologies LLP/Maharastra/ MKT	AIRTEL (No-7024254381)	31.10.2020	Rail Netra	Functioning
2	DNR	JAJ	ART/JAJ	B	–	01	Primesys technologies LLP/Maharastra/ MKT	AIRTEL No-5754201497275	31.10.2020	Rail Netra	Functioning
3	DNR	DNR	SPARME/DNR	–	–	01	Primesys technologies LLP/Maharastra/ MKT	AIRTEL No-57542101497277	03.2019	Connect ed on 15.10.20	Functioning
4	DNR	JAJ	ARME/JAJ	B	–	01	Primesys technologies LLP/Maharastra/ MKT	AIRTEL (No-5754201497272)	31.10.2020	Rail Netra	Functioning
5	DNR	DNR	140T.BD.Crane	A	–	01	Primesys Technologies LLP/Maharastra/ MKT	AIRTEL (No-5754201497273)	31.10.2020	Rail Netra	Functioning

Status of Drone Camera in ART/DNR

Division	Location	Type of Drone	Quantity	Firm Name	Date of Commissioning	Remarks
DNR	DNR	DJI AIR 3S	02 No	M/S KAMBILL Systems Pvt.LTD, 202,2nd Floor, Aggarwal Corporate Heights, NSP, New Delhi-110034.	26.12.2024	-
Status of Drone Camera in SPARME/DNR						
DNR	DNR	NIL	NIL	NIL	NIL	NIL
DNR	JAJ	Quad Copter	01	M/S foundation in Association with technity corporation (Quordnation) Jay prakash nagar, Assaina, Patna.	29.05.2019	Working

POH & AMC Position of 140 T BD. Crane

Division	Base	Crane No	Built Year	Make	Date of commissioning	Last POH Done	POH Due	AMC status (On Whom and Period)		
								SLI System	Main Engine	Hyd. System
DNR	DNR	143010	2003	Gottwald (Old Design)	2003	12/20	12/26	28.07.22 to 27.07.25 (Mechanical system,pune)	18.06.2024 to 31.12.2025 (Cummins)	NIL

Position of maintenance and restoration staff in ART/ARMV/SPARMV/BD. Crane

Division	Base	Maintenance Gang						Restoring Gang					
		ART		ARMV/SPARME		BD Crane		ART		ARMV/SPARME		BD Crane	
		Sanction	On Roll	Sanction	On Roll	Sanction	On Roll	Sanction	On Roll	Sanction	On Roll	Sanction	On Roll
DNR	DNR	11	11	18	17	16	16	23	22	25	23	16	16
	JAJ	9	4	NIL	NIL	N/A	N/A	22+1	17+1	13	05+1	N/A	N/A

Composition of Wheel cum Crane with GSLRD/DN

Div	Depot	Vehicle	Type	Base	Used as	Built date/Re-built date	POH Workshop	POH Date	Re-Date	Speed(KMPH)
DNR	DNR	GSLRD-114121/EC	AB	DNR	Mat Van	2011	HRT	03/23	03/27	110
DNR	DNR	BRNAHS-56070511373	AB	DNR	Wheel Van	2005	KGP	04/23	10/27	100

Position of Hydraulic and Plasma Cutter ART/DNR

Division	Location	Type of Brake Down Train (ARTs/ARMEs/SPARMEs)	Hydraulic Cutter Provided			Plasma Cutter Provided		
			Qty.	Make	DOC	Qty.	Make	DOC
DNR	DNR	ART	01	Holmatro	31.01.2018	02 Set	Generator (Honda)	02.03.2017
						01 Set	Air Compressor (PREBENA)	02.03.2017
						01 Set	Inverter (EPE)	02.03.2017
Position of Hydraulic and Plasma Cutter ART/JAJ								
DNR	JAJ	ART	01	Holmetro	10.02.2018	01 Set	IPC45R	09.03.2017
Position of Hydraulic and Plasma Cutter SPARME/DNR								
DNR	DNR	SPARME	02 set	1. Lukas 2.Holmetro	25.08.2023 31.01.2018	01 set	M/S Electro Plasma equipment LTD. Mumbai	06.03.2017
Position of Hydraulic and Plasma Cutter ARME/JAJ								
DNR	JAJ	ARME	01	Holmetro	10.02.2018	01 Set	IPC 45 R	09.03.2017
Position of Hydraulic and Plasma Cutter 140T BD CRANE/DNR								
DNR	DNR	140 T.B D. Crane	01	Holmetro	31.01.2018	01 Set	Generator (Honda) Air Compressor (PREBENA) Invertor (EPE)	02.03.2017

Entry & Exit wise ART/ARME/140T BD Crane Position.

Division	Location	Double Entry & Exit	Double Entry & but Single Exit	Single Entry & Exit	Remarks
DNR	ART/DNR	Yes	-	-	-
	SPARME/DNR	Yes	-	-	-
	140T BD Crane/DNR	-	-	Yes	-
	ART/JAJ	Yes	-	-	-
	ARME/JAJ	Yes	-	-	-

ISO Certification

ISO Certificate position of ART/DNR					
Division	Location	Class	ISO Certification (Yes/No)	If Yes name of the firm auditor Certifying.	Validity
DNR	DNR	A	Yes	QRO Certification LLP,Near paschim vihar west metro station,Delhi- 110063,(INDIA)	08/09/2025
ISO Certificate position of ART/JAJ					
DNR	JAJ	B	NO	-----	-----
ISO Certificate position of SARME/DNR					
DNR	DNR	-----	No	-----	-----
ISO Certificate position of ARME/JAJ					
DNR	JAJ	B	No	-----	-----
ISO Certificate position of 140 T. BD. Crane					
DNR	DNR	A	Yes	QRO Certification LLP,Near Paschim vihar west metro station,Delhi- 110063,(INDIA)	08/09/2025

Status of Mock Drill & Joint Inspection.

Division	Location	Type of unit (ART/ARME/SPARME)	Last Date of Movement	Last Date of Mock Drill (If movement not done within 03 months)	Last Date of Inspection by BOS	Last date of Joint Inspection by Standing Committee.
DNR	DNR	ART	16.04.2025	NA	04.04.2025	07.01.2025
	DNR	SPARME	28.04.2025	29.01.2025	04.04.2025	07.01.2025
	DNR	140 T. BD. Crane	13.04.2025	NA	13.04.2025	07.01.2025
	JAJ	ART	28.03.2025	13.08.2022	26.04.2025	22.11.2024
	JAJ	ARME	06.06.2024	NIL	26.04.2025	22.11.2024

Last Full Scale Disaster Management exercise held with NDRF.

Division	Date of Mock Drill with NDRF
Danapur	29 .01.2025 (Location DNR)

Failure Details of 140 T. BD crane/any material/equipment/process at site.

SN	Crane no	Div/Location	Date of Arr./Commissioning	Major Defects (Defect nature/Dt./Action Taken)	Details of Crane operation (No. of time/ Total/Load lift/Cuml. hrs)	Month Applicable
1	143010	DNR/Yard	---	--	--	--

Status of SPARME Movement.

DIV.	Base	Date.Of Movement	From	To	Hooter Sounded or not	Reason of Movement	Name of officers Accompanied	Name of Doctors moved with.
DNR	SPARME/DNR	22.04.2025	DNR	ARA	-	Trial run of SPARME/DNR	-	-
DNR	SPARME/DNR	28.04.2025	DNR	POE	-	Trail run for SPARME/DNR.	-	-

Crane Driver Position.

Division	Base	Name of Crane Driver	Trained/Untrained	Designation	Age	Qualification	Last Course attend		Refresher Course Due date	Remarks
							From	TO		
DNR	DNR	Sri Ashok Kumar	Trained	Sr. Tech.	43	Metric	23.05.2022	/	04.06.2025	
		Sri Vikash Kumar	Trained	TECH-II	29	Metric	12.12.2022	/	24.12.2025	

Position of Debit/Credit for restoration charges of ART/ARME/140T BD crane/DNR (Each case of movement).

Division	Base	Type of Work			From	To	Debit raised (In Rs) If any	Realized Amount	Current outstanding	Reason of delay in Restoration.
		Accident on Railway	Private Siding	Departmental						
DNR	DNR	NIL	-	-	-	-	-	-	-	-
Position of Debit/Credit for restoration charges of ART/JAJ (Each case of movement).										
DNR	JAJ	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Position of Debit/Credit for restoration charges of SPARME/DNR (Each case of movement)										
DNR	DNR	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Position of Debit/Credit for restoration charges of ARME/JAJ (Each case of movement)										
DNR	JAJ	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Position of Debit/Credit for restoration charges of 140 T.BD Crane/DNR (Each case of movement)										
DNR	DNR	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Trial for movements of locked/hot axle locomotives specially newly designed like WAG12, WAG9, WAP7, WAP4, WDG6G, etc.

Division	Place	Date of Trial	Type of Locomotives	Time Taken
DNR	NIL	NIL	WAG12	NIL.
DNR	SPARME/site	09.05.2023	WAG9HC	90 Minutes(End axle)
DNR	SPARME/side	02.12.2021	WAP7	80 Minutes(Middle axle)
DNR	JAJ	NIL	NIL	NIL

Position of Tower Light in ART

Division	Location	Tower Light No	Date of Commissioning	AMC Status	Remarks
ART					
DNR	ART/DNR	11669(ASKA)	10.11.2018	NIL	Working Properly
		11669(ASKA)	10.11.2018	NIL	Working Properly
		21-22106141(ORBIT)	29.11.2021	NIL	Working Properly
		21-22106142(ORBIT)	29.11.2021	NIL	Working Properly
DNR	ART/JAJ	4 nos	06.11.2019	NIL	--
Position of Tower Light in SPARME/ARME					
DNR	SPARME/DNR	2 set	10.11.2018	AMC not done	Maintained by SPARME Staff
DNR	ARME/JAJ	2 nos	20.08.2021	NIL	- 0

Status of 13 items of High Level Committee on Disaster Management.

S. N	Name of Description of the items	Unit	Qty.	ART/ARMV	Department to procure	Availability	Remarks
1	Life Detector	Nos	1	ARMV	Mechanical	Dropped	-
2	Scene Tape	Roll	6	ART/ARMV	Mechanical	Available	6/6
s3	Rope Manila Nylon 100 mtr.	Nos	1	ART/ARMV	Mechanical	Available	1/1
4	Safety Cone	Nos.	12	ART/ARMV	Mechanical	Available	12/12
5	Stretcher folding- Aluminium Spinal Stretcher	Nos.	4	ARMV	Medical	Available	4/4
6	MFTR KIT	Sets	5	ARMV	Medical	Available	-
7	Breathing apparatus set	Nos.	1	ART	Mechanical	Available	3/4
8	Suitable portable DG sets to meet the requirement of tools/lights on board along with necessary switch boards, cables etc.	Sets	1	ART/ARMV	Mechanical	Available	1/1
9	Higher capacity hydraulic rescue device for cutting Stainless Steel coaches & Wagons.	Nos.	1	ART/ARMV	Mechanical	Available	1/1
10	Portable Plasma cutting equipment for cutting Stainless Steel coaches & wagons	Nos.	1	ART/ARMV	Mechanical	Available	1/1
11.	Potable Defibrillator	Nos.	1	ARMV	Medical	Available	-
12.	Abrasive Cutting equipment	Nos	1	ART/ARMV	Mechanical	Available	1/1
13.	Life Jackets (Water rescue)	Nos	100	ART	Mechanical	Available	100/100