



SUMMARY OF WEIGHTS (ESTIMATED)	
DESCRIPTION	MEASURES
WEIGHT OF UNDERFRAME	10.13 t
BOGIE BRAKE GEAR COMPLETE	0.70 t
BOGIE COMPLETE	9.85 t
TWO CBC COMPLETE	1.320 t
ESTIMATED TARE	22.0 t
PAY LOAD	69.6 t
GROSS LOAD	91.6 t
AXLE LOAD (MAX.)	22.9 t
RATIO (PAY LOAD TO TARE)	3.16
GROSS LOAD PER METER RUN OVER COUPLING FACES	8.355 t/m
NO. OF WAGON PER RAKE (636 m)	58
NO. OF POCKET PER WAGON	5
MAX. C.C. PER RAKE (58 WAGONS)	4036.8 t
HEIGHT OF CBC FROM R.L.	1105 mm
C.G. FROM R.L. (EMPTY)	875 mm
C.G. FROM R.L. (LOADED)	2017 mm
LOADING COMMODITY FOR WHICH WAGON IS DESIGNED	STEEL COILS (HR & CR)
COIL ARRANGEMENT IN POCKET	EYE TO PLATFORM / SOLEBAR

BOGIE DATA (TARE)		
S.NO.	DESCRIPTION	mm.
1.	HT. OF BOTTOM BOGIE FRAME FROM R.L. AT CENTRE	149
2.	DISTANCE FROM R.L. TO TOP PIVOT	654.5
3.	DISTANCE FROM R.L. TO TOP OF SIDE BEARER	780.5
4.	HEIGHT OF SPRINGS	256.5
5.	WHEEL DIA ON TREAD	840
6.	WHEEL DIA ON TREAD CONDEMNING SIZE	780
7.	DIA. OF WHEEL SEAT	213
8.	JOURNAL CENTRES	2260
9.	JOURNAL SIZE	157.2X226.8

Loading Pattern for 22.9 t Axle Load					
No. of Coils	Max. Coil Weight in Pockets				
	1	2	3	4	5
1			32.00		
2	32.00		23.00		32.00
3	23.00		23.00		23.00
5	13.80	13.80	13.80	13.80	13.80
10	6.90 x 2	6.90 x 2	6.90 x 2	6.90 x 2	6.90 x 2

SALIENT FEATURES
 RESILIENT PAD FOR IMPACT LOADING & SHOCK ABSORPTION.
 ALTERNATE OPTION FOR LOADING & UNLOADING BY FORKLIFT.
 SECURING ARRANGEMENT FOR COILS.
 RESTRICTED PLATEMENT OF HEAVY COILS.
 UNDERFRAME DESIGN IS SUITABLE FOR 25 t AXLE LOAD.

ALT.	ITEM	AUTHY	DESCRIPTION	DATE	ASSEMBLY DRG.
6	WD-21091		DRAWING REVISED AND REDRAWN	10/2021	
5	WD-21067		LOADING OF SINGLE COIL IN WAGON CENTRAL SADDLE ADDED	08/2021	
4	WD-20044		NOTE DELETED & FOR SPEED CERTIFICATE IN TITE BLOCK DELETED	02/2021	
3	WD-23046		SOG OF DFC ADDED AND MMD 10-2004 REVISED	10/2020	
2	WD-22011		MIN. HT. OF CRS GIRDER FROM R.L. & MAX. CBC HT. FROM R.L. ADDED AND C.G. HT. REVISED	03/2020	
1	WD-20007		DRAWING REVISED	02/2020	

PRELIMINARY SKETCH

ONLY FOR PROTOTYPE APPLICATION UNDER GUIDANCE OF RDSO (WAGON)

SUPERSEDED BY: BOGIE FLAT STEEL WAGON TYPE 'BFNV'

SCALE: PASSED S. JAUHRI 04/19

CHECKED: DINESH R4/19

DRAWN: AMIT 04/19

REFLOTTED:

U.S. NO. WD-19024/19

R.D.S.O. GROUP [W]

WD-19024-S-02