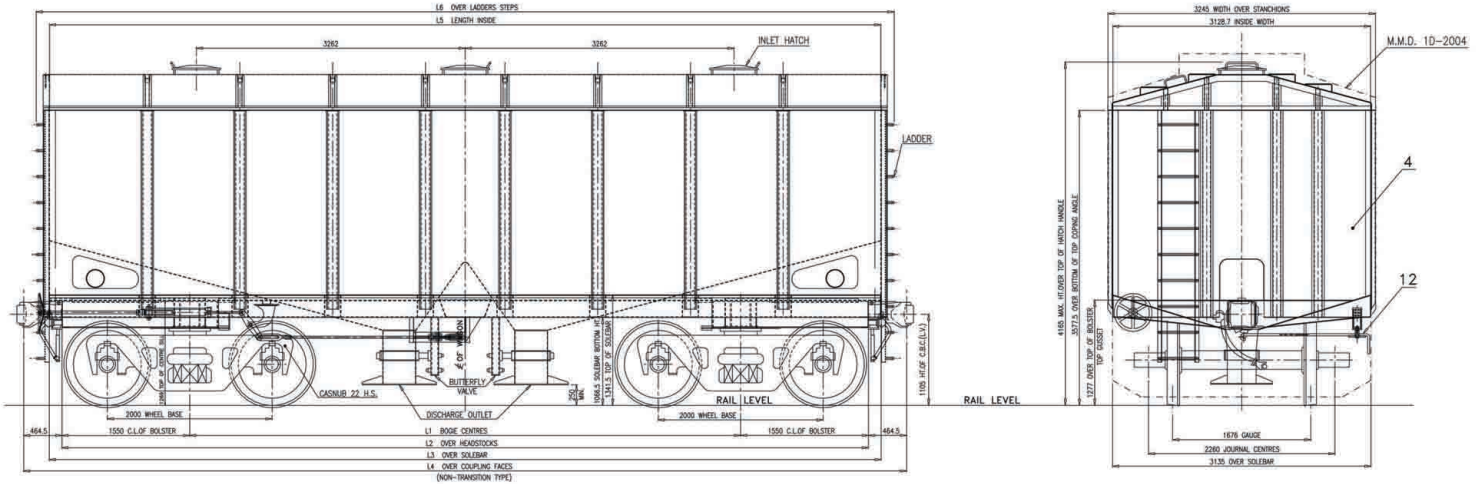

SUMMARY OF WEIGHTS (ESTIMATED)	DESIGN 'A'		③ DESIGN 'B'	
	TONNES FOR ① FLY ASH	TONNES FOR ① CEMENT	TONNES FOR FLY ASH	TONNES FOR CEMENT
UNDERFRAME, BODY SIDE, ROOF , BODY ENDS, HOPPER, AERIATION SYSTEM,DISCHARGE SYSTEM COMPLETE ETC.	9.23	9.23	9.73	9.73
B.M.B.S., AIR BRAKE EQUIPMENT INCLUDING PIPING ETC.	0.65	0.65	0.65	0.65
CBC.COMPLETE (NON TRANSITION) WITH YOKE AND DRAFT GEAR.	1.32	1.32	1.32	1.32
BOGIE COMPLETE.	10.8	10.8	10.8	10.8
FOUR PAIRS OF WHEELS AND AXLES				
EIGHT CATRIDGE BEARING UNITS AND ADAPTERS.				
BOLSTER SPRINGS AND SNUBER SPRINGS				
CENTRE PIVOT ASSEMBLIES				
BOGIE BRAKE GEAR COMPLETE				
AXLE LOAD(DESIGNED)	17.75	22.32	18.2	22.9
ESTIMATED TARE	22.00	22.00	22.5	22.5
VOLUMETRIC CAPACITY	75.8 Cu.m.	75.8 Cu.m.	77.68 Cu.m.	77.68 Cu.m.
LOADABLE VOLUMETRIC CAPACITY	72.8 Cu.m.	72.8 Cu.m.	74.6 Cu.m.	74.6 Cu.m.
CARRYING CAPACITY	49.0	67.3	50.3	69.1
GROSS WEIGHT (LOADABLE)	71	89.3	72.8	91.6
GROSS WEIGHT PER METRE RUN OVER COUPLING FACES	6.62 t/m	8.335 t/m	6.64 t/m	8.355 t/m
RATIO OF CARRYING CAPACITY TO TARE	2.22	3.06	2.24	3.07
DISTANCE OF C.G. FROM R.L. (EMPTY)	1280 mm	1280 mm	1280 mm	1280 mm
DISTANCE OF C.G. FROM R.L. (LOADED)	2000 mm	2152 mm	2000 mm	2152 mm
NO. OF WAGONS PER TRAIN	58	58	58	58
PAY LOAD PER TRAIN (58 WAGONS)	2842 t.	3904 t.	2917.4 t.	4007.8 t.

S.NO.	BOGIE DATA CASNUB 22HS (TARE)	mm.
1.	HT. OF BOTTOM OF BOGIE FRAME FROM R.L. AT CENTRE	165
2	DISTANCE FROM R.L. TO TOP OF TOP PIVOT	933
3.	DISTANCE FROM R.L. TO TOP OF SIDE BEARER	921
4.	HEIGHT OF SPRINGS	252
5.	WHEEL DIA ON TREAD	1000
6.	WHEEL DIA ON TREAD (CONDEMNING SIZE)	906
7.	DIA OF WHEEL SEAT	210
8.	JOURNAL CENTRES	2260
9.	JOURNAL SIZE	144x278

S.NO.	WAGON DATA (TARE)	mm.
1	HEIGHT OF CENTRE BUFFER COUPLER FROM R.L.	1105
2	CLEARANCE BETWEEN WHEEL FLANGES AND SLOPE PLATE	216
3	DISTANCE BETWEEN TOP & BOTTOM SIDE BEARER	NIL

③

S.NO.	DATA FOR DESIGN A & B DESCRIPTION	VARIABLES	DESIGN A	DESIGN B
1	LENGTH OVER BOGIE CENTRES	L1	6684 mm	6934 mm
2	LENGTH OVER HEAD STOCKS	L2	9784 mm	10034 mm
3	LENGTH OVER SOLEBAR	L3	10091 mm	10341 mm
4	LENGTH OVER COUPLING FACES (NON-TRANSITION)	L4	10713 mm	10963 mm
5	LENGTH INSIDE	L5	10084.7 mm	10334.7 mm
6	LENGTH OVER LADDER STEPS	L6	10408 mm	10658 mm

NOTE:-

THE WAGON IS FITTED WITH:-

1. GRADUATED RELEASE AIR BRAKE EQUIPMENTS FITTED WITH B.M.B.S. AND LOAD SENSING DEVICE.
2. HIGH TENSILE (NON TRANSITION TYPE CENTRE BUFFER COUPLER) WITH HIGH CAPACITY DRAFT GEAR.
3. CAST STEEL BOGIE TO STR NO. WD-17-CASNUB 22HS - 1992 WITH LATEST AMMENDMENTS.
4. THE WAGON DESIGN IS WITHIN THE M.M.D. 1D-2004, AS SHOWN AT END VIEW.
5. THIS WAGON IS USED FOR TRANSPORTATION OF FLY ASH/CEMENT IN LOOSE CONDITION WITH AIR ASSISTED GRAVITY DISCHARGE..

ALT	ITEM	AUTHY	DESCRIPTION	DATE	ASSEMBLY DRAWING
③	-	WD-13001	COLUMN "B" ADDED. DATA OF DESIGN "B" ADDED.	01/13	
②	-	WD-10021	HAND BRAKE ARRANGEMENT AT END SHOWN.	06/10	
①	-	WD-08014	TABLE OF SUMMARY OF WEIGHTS REVISED.	02/08	-

PRELIMINARY SKETCH

ONLY FOR PROTOTYPE APPLICATION UNDER GUIDANCE OF R.D.S.O. (WAGON)

SUPERSEDED BY

SUPERSEDES DATE

SCALE 1:25 | PASSED | SI- R Singh | 02/08 | CHECKED | SI- Rajesh | 02/08 | DRAWN | M.KISHANNA | 10/07 | TRACED | | | J.SHEET | WD-07054 | 08/07

BOGIE COVERED FLY ASH/CEMENT WAGON TYPE 'BCFC'

DIAGRAM

B.G. | R.D.S.O. [W] | GROUP | WD-07054-S/02