

## **BWTB WAGON**

BWTB Wagons are fitted with single pipe graduated release Airbrake system with L – type composition brake block as per Indian Railway standard. Hand wheel type parking brakes are provided on both bogies for parking the wagon on gradients.

BWTB Wagons are fitted with transition type center buffer couplers along with side buffers. This enables the wagon to be coupled to other rolling stocks either with center buffer couplers or screw couplers. Loading flaps are provided over side buffer to facilitate loading of battle tanks. Lashing chains, Track guides & scotch blocks are provided for securing the battle tanks during transportation.

BWTB Wagons are primarily used for transportation of Battle tanks, Heavy artillery equipments and Military vehicles.



**BOGIE WELL TYPE WAGON - BROAD GAUGE (1676 MM)**

The Underframe is a heavy welded structure. The main girders are made out of high strength micro alloyed steel to IS: 8500, Gr. 540. The other members are made out of general purpose structural steel to IS: 2062. The middle portion of under frame has a well length of 6100 mm to depth of 245 mm. The body bolsters which support underframe on bogies are of fabricated box sections to withstand all types of service loads. The ends of underframe i.e., head stocks are also welded 'C' sections out of plates. These headstocks house center buffer coupler and side buffers and are strong enough to withstand all buffing and draw forces.

Proven design, light weight CASNUB-22NLB cast steel bogies fitted with spring plank, long travel helical springs and load proportionate friction damping arrangement as per RDSO specification WD-21-CASNUB-22 NLB-BOGIE-93.

The bogie is fitted with 1000 mm tread diameter wheel set with cartridge taper roller bearing having a wheel base of 2000 mm. Elastomeric pads are provided over the axle to cater for dynamic shocks.

## **Specifications**

Gauge	1676 mm
Length over Head Stocks	15510 mm
Length over Coupling Faces	16780 mm
Distance between center of Bogies	11850 mm
Width over Body	3048 mm
Floor Height from Rail Level	1306 mm
Axle Load	22.9 Tonnes
Tare Weight	35.50 Tonnes
Payload Capacity	56.1 Tonnes
Gross Weight	91.6 Tonnes
Wheel Diameter	1000 mm
Maximum Speed	65 kmph