

## Mobile Concrete Batching Plant with Reversible Drum Mixer



### **MODEL: MB 20 RD PL** **(Capacity of 20 cum/hr.)**

- Plant capacity 20 cum/hr.
- Tyre mounted & truly mobile plant.
- Aggregate storage in 4 Bins.
- Inclined belt weigh batcher.
- Separate weigh hoppers for water, cement & additive mix.
- Fully automatic batch control system.
- No civil foundations required.
- Completely pre-wired & pre-assembled.
- Discharge height of concrete suitable for pouring into the concrete pump.
- No dismantling for site re-location.
- Easy, compact & simple to operate.



## PLANT FEATURES //

A tyre mounted portable compact and simple concrete Batching & Mixing plant having a capacity of **20 M<sup>3</sup>/hr** with storage hopper for aggregates, inclined aggregate belt weigh batcher for weighing and conveying the aggregates to the mixer, separate cement weigh hopper with screw conveyor & a reversible drum mixer. All the components of the plant are mounted on a single chassis. It has been pre wired and pre-assembled completely in the factory. The control panel is fitted on the same chassis hence, does not need a separate cabin for controlling the batching operations and it needs no foundations or wiring during installation. There is no need for dismantling the individual components of the plant during re-location of the site.



The control panel of the plant is fitted on the main chassis & is fully automatic and batching can be controlled through this panel. PLC based programme with touch screen and printing facility can be provided at an additional cost.



The plant has the complete features with a separate weigh hopper for Cement, Water and Additives which is weighed from weigh hoppers, screw conveyor of 5 mtrs length along with a ground hopper is provided for loading the cement.



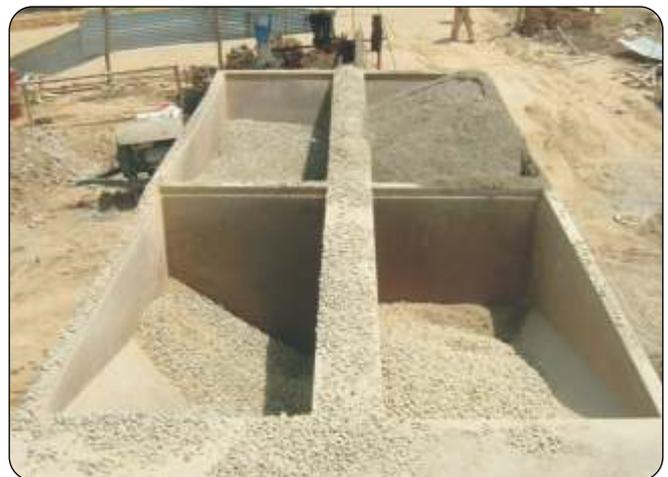
The portable plant has an advantage of being very user friendly, the aggregate bins can be loaded with a front end loader at ground level, minimum ramp is required for loading the bins. Thus requiring a very minimum space for installation of the plant.



The plant needs very less space for storing and feeding cement of the cement fed directly in to the ground hopper which feeds into the cement weigh batcher through a screw conveyor. Minimum Work force is required for this operation.



The main feature of this mobile plant is the mixed Concrete is discharged at a height of 1.5 mtrs, so as to enable dumping directly into the concrete pump.



The four bin structure holding the aggregates/sand placed opposite to each other & can be loaded from either sides.

### **The scope of supply for the plant will be:**

- The portable plant with chassis and tyres.
- The complete structure, 4 nos. aggregate storage bins, aggregate weigh batcher and conveying belt.
- The main mixer structure including the Drum Mixer, separate Cement, Water, and Additive weigh hopper & Air compressor.
- In built fully automatic batching control panel on the main structure of the plant, complete electrical wiring of the plant which is in ready to use condition.
- One no of Cement Screw Conveyor along with ground hopper for feeding the cement.

### **Technical Specifications:**

<b>PLANT DETAILS</b>	<b>PLANT MODEL : MB 20 RD PL</b>
Maximum Plant Out put (Cum/hr)	20
Power consumption (HP)	32
Reversible Drum Mixer Cap (Cum)	0.5
Dry filling capacity (Liters)	750
Compacted Concrete output (Liters)	500
Aggregate Storage bins (Nos)	4
Storage bin capacity (Cum)	9
Aggregate feeding height (mm)	3050
Mixer Discharge (mm)	1500
Control Panel	Fully Automatic
<b>Weigh Batching System</b>	
Aggregate Scale / Number of Load Cells (Kg)	1100 x 4
Cement, Water Scale / Number of Load Cells (Kg)	450 x 4
Additive Scale / Number of Load Cells (Kg)	50 x 1
Mixer Motor (HP)	1 x 10
Aggregate Conveyor Motor (HP)	10
Cement Conveyor Motor (HP)	7.5

**Optional: High Speed Axle with 4 nos of tyres, leaf springs, power brakes at Extra cost.**

In accordance with its policy of constant product development, Bhai reserves the right to change the specifications without any prior notification. All dimensions and capacities quoted are nominal. Accessories shown are not a part of the supply.

#### **MANUFACTURING UNIT:**

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