

TECHNICAL SPECIFICATION

WET MIX MACADAM PLANT

WM-200 CAPACITY 200-220 TPH

(1) Cold Aggregate feeder: (AI-30)

Stationary cold aggregate feeder .Four bin cold aggregate unit includes gathering conveyor with 700 MM wide driven by a 5 HP AC motor. Auxiliary conveyor under each bin are driven by 2 HP DC variable speed drive and fitted with adjustable quadrant gates.

Type: AI- 30 capacity approx. 14 MT each bin

No. Bins : 4 Nos. (Total cap. 54 MT)

Auxiliary conveyor belt : 500 mm x 2.75 Mtrs.

Gathering conveyor belt : 600 mm x 26 Mtrs.

Auxiliary conveyor R.Gear: 20:1 C Type.

Gathering conveyor R.Gear: 20:1 D Type.

(2) Vibrating Screen :

Provided between the gathering & the slinger conveyor for the Removal for over size material .Is net 90 mm size is driven by 0.75 HP AC vibratory motor at 1500 RPM /440

(3) Slinger conveyor :

Charging conveyor 5 HP AC motor to be used with cold aggregate feeder equipped with a load cell for continuously monitoring the weight of the aggregate in TPH.

Belt size: 600 mm x 18 Mtrs.

Reduction Gear: 20: 1 D Type.

(4) Mixing unit :

Mixing unit so designed to mix material with exact quantity of water content to prepare a homogenous mixture, also designed robust quality of wear resistant paddle arms for long life. It is fitted with 50 HP AC motor.

Reduction Gear: 10:1 (9 NU)

Fluid coupling.

(5) Load out Conveyor :

Truck loading will be by an inclined load out conveyor with belting equipped with a silo hopper with hydraulically operated cam shell gate to provide surge capacity when changing trucks & controls segregation in the mix.

Belt size: 700 mm x 40 Mtrs.

Reduction Gear: 20: 1 F Type.

(6) Stationary Water tank :

Stationary water storage tank capacity 15000 liters will be fitted 3 HP Kirloskar make water pump.

(7) Control panel :

Stationary control cabin installed with controls & motors starters, provision to fit an Air-conditioner, window glass, lockable gates, fully prewired interior lighting.

Break up details as to power required for WM-200 Plant:

Sr. No.	Description	Qty.	Total (HP)
01.	Auxiliary Conveyor	04	8.00
02.	Gathering Conveyor	01	5.00
03.	Bin Vibrator	01	01.00
04.	Vibrating Screen	01	00.75
05.	Slinger Conveyor	01	05.00
06.	Mixing Unit	01	50.00
07.	Load out Conveyor	01	10.00
08.	Hydraulic Power Pack	01	05.00
09.	Water Pump	01	05.00
Total power required			89.75 HP

Due to continuous product development, specifications are subject to change without notice.