

TECHNICAL SPECIFICATION

WET MIX MACADAM PLANT

WM-100 CAPACITY 100-120 TPH

(1) Cold Aggregate Feeder : (AI-10)

Stationary cold aggregate feeder .Four bin cold aggregate unit includes gathering conveyor with 600 MM wide driven by a 5 HP AC motor. Auxiliary conveyor under each bin are driven by 2 HP AC with adjustable quadrant gates.

Type: AI- 20 capacity approx. 8 MT each bin.

No. Bins : 4 Nos. (Total cap. 32 MT)

Auxiliary conveyor belt : 500 mm x 2.5 Mtrs.

Gathering conveyor belt : 600 mm x 24 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 65 mm size is driven by 0.5 HP AC vibratory motor at 750 RPM /440 v

(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 30 HP AC motor.

Reduction Gear: 10:1 (8 NU)

(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: 600 mm x 18 Mtrs.

Reduction Gear: 20: 1 D Type.

(6) Stationary Water tank :

Stationary storage water tank capacity 10000 ltrs. Water tank tank fitted 3 HP Kirloskar makes water pump.

(7) Control panel :

Stationary control cabin including operator room that houses factory installed WMM plant 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 OUR WM-100

Sr.no.	Description	Qty.	Total (HP)
01.	Auxiliary Conveyor	04	08.00
02.	Gathering Conveyor	01	05.00
03.	Bin Vibrator	01	01.00
04.	Vibrating Screen	01	00.50
05.	Slinger Conveyor	01	05.00
06.	Mixing Unit	01	30.00
07.	Load out Conveyor	01	05.00
08.	Hydraulic Power Pack	01	03.00
09.	Water Pump	01	02.00
Total power required		59.50	

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