

TECHNICAL SPECIFICATION

WET MIX MACADAM PLANT

WM-150 CAPACITY 150-180 TPH

(1) Cold Aggregate Feeder : (AI-20)

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 DC variable speed drive and fitted with adjustable quadrant gates.

Type: AI- 20 capacity approx. 11 MT each bin

No. Bins : 4 Nos. (Total cap. 44 MT)

Auxiliary conveyor belt : 500 mm x 2.75 Meters.

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 0.5 HP AC vibratory motor at 750 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 40 HP AC motor.

Reduction Gear: 10:1 (8 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: 600 mm x 32 Mtrs.

Reduction Gear: 20: 1 E Type.

(6) Stationary Water tank :

Stationary storage water tank capacity 12000 ltrs. Water tank tank fitted 5 HP Kirloskar makes water pump.

(7) Control panel :

Stationary control cabin wide including entrance lobby to provide in 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 WM-150 TPH Plant (Auto)

| 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 | 40.00 |
| 07. | Load out Conveyor | 01 | 07.50 |
| 08. | Hydraulic Power Pack | 01 | 03.00 |
| 09. | Water Pump | 01 | 03.00 |
| Total power required | | 73.00 | |

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