

Vishvakarma



Wet Mix Plant

* Quality that you can rely upon *

Wet Mix Plant 80/100 TPH Capacity

PUG MILL UNIT:

Pug mill unit capacity is 100 TPH. Here is the end of aggregate circulation cold aggregate from bins through cold conveyer system is being mixed with water from water tank, two oppositely rotating paddle arms shaft make a homogeneity our mix and push it to out let tipper and transported to site.



FOUR BIN FEEDER UNIT:

Four-bin feeder is for feeding the materials from above, where wire-mesh is fitted to screen the aggregate to a predetermined size as required. Rest of that is passed by to out side. The volume of the material is determined on this stage. All the four bins are having a screw gate, which is calibrated for adjustment to allow the opening / passage for materials to be dropped on conveyer belt. The sum of all the bins will come on a second conveyer belt known as gathering belt, and the same will be transferred to pug mill unit.



CONTROL CABIN:

Insulated control cabin with AC Provision.

STORAGETANK :

water tank is fabricated from m.s.section and plates having 10000Lts. capacity.



ELECTRIC CONTROL PANEL:

Electric control panel is fabricated from 16 SWG CRC sheet and processed with seven-tank painting. The panel has in-feed master control, Aggregate flow measurement system, which controls flow, individual bin, flow indicator, automatic synchronization of aggregate, aggregate and totalizer, printer for print-out record of all parameters for an instant verify of formula, automatic controls with indication, metering for aggregate, input voltage, and motor load.

Note : Specification are subject to change without notice due to development.

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Specifications of "Vishvakarma" Wet Mix Plant

<u>Description</u>	<u>WMM-100</u>	<u>WMM-150</u>
Plant Capacity	100 TPH	120/150 TPH
<u>Four Bin Feeder Unit</u>		
Number of Bins	4 (Four)	4 (Four)
Feeding Capacity	100 tph	120 tph
Bins Plate Thickness	5 MM	5 MM
Bin Size	290 m x 2.10 m x 1.83 m	290 m x 2.10 m x 1.83 m
Bin Belt Size	550 mm x 2.95 m	550 mm x 2.95 m
Motor	1.5 kw DC Drive	1.5 kw DC Drive
Gear Box	"C" SMSR	"C" SMSR
Bin's Drive	V – Belt	V – Belt
Bin Gathering Conveyer Motor	3.75 kw AC @ 1500	3.75 kw AC @ 1500
Bin Gathering Gear Box	"D" SMSR	"D" SMSR
Bin Gathering Drive	V – Belt	V – Belt
Bin Gathering Belt Size	600mm x 27.3 m	600mm x 27.3 m
Bin Vibrator Motor (Only 4 No Bin)	0.75 kw AC Drive	0.75 kw AC Drive
<u>Slinger Conveyer Size</u>		
	6.1 m	6.1 m
Motor	3.75 kw AC	3.75 kw AC
Gear Box	"D" SMSR	"D" SMSR
Belt Size	550mm x 12.35 m	600mm x 12.35 m
<u>Pug Mill Or Mixing Unit</u>		
Dimensions	1.4 m x 2.5 m	1.4 m x 3.0 m
Motor	18.75 kw AC	22.5 kw AC
Gear Box (Elecon)	7 NU	8 NU
Paddle Arms (L & R)	22 nos.	30 nos.
<u>Load-Out Conveyer Size</u>		
	11.9 m	11.9 m
Motor	5.62 kw AC	5.62 kw AC
Gear	"D" SMSR	"D" SMSR
Belt Size	600mm x 23.93 m	600mm x 23.93 m
Storage Hopper Capacity	1500 kgs.	1500 kgs.
Power Pack System (Hopper Open/Close)	2.25 kw AC	3.75 kw AC
<u>Control Panel</u>		
Microprocessor Base – DC / AC Drive	S.P.Electro Control	S.P.Electro Control
<u>Control Cabine (Insulated) Size</u>		
	10' x 6'	10' x 6'
<u>Water Tank</u>		
	10000 Lts.	10000 Lts.
Water Pump	1.5 kw	2.25 kw
Open Land Required	40 x 40 m	40 x 40 m
Total Connected Load of Plant	43 KW (58.5 HP)	48 KW (64.5 HP)