

Specification of Vishvakarma Drum Mix Plant – 60 (90/120 TPH) :-

		Dryer Burner's Blower Motor	15 HP @ 2800 RPM
Capacity @ 3% moisture content	90/120 TPH	Dryer Burner's Pump / Motor	3 HP
Four Bin Feeder Unit		Dryer Burner's Heater (Optional) *	18 KW
Number of Bin	4 (Four)	Load-Out (Hot) Conveyer Size	9.93 m
Feeding Capacity	150 TPH	Motor	7.5 HP
Bin Plate Thickness	5 MM	Gear	"D" SMSR
Bin Size	2.90 m x 2.10 m x 1.83 m	Belt Size	600 m x 18.06 m
Bin Belt Size	550 mm x 2.95 m	Storage Hopper Capacity	1500 Kegs
Motor	2 HP	Power Pack System (Hopper Open/Close)	5 HP
Gear Box	"C" SMSR	Mineral Filler Capacity	750 Kegs
Bin's Drive	V-Belt	Motor (Screw)	2 HP
Bin Gathering Conveyer Motor	7.5 HP	Gear Box	"C" SMSR
Bin Gathering Gear Box	"D" SMSR	Blower Motor	5 HP @ 2800 RPM
Bin Gathering Drive	Chain Drive	Blower Rotary Valve	3" Size
Bin Gathering Belt Size	600 mm x 27.3 m	Control Panel	
Bin Vibrator Motor (Only 4 No Bin)	1 HP	Microprocessor Base -DC/AC Drive	S.P.Electro Control
Vibrating Screen Unit		AC Drive (Optional) *	Delta make
Motor	5 HP	Control Cabine (Insulated) Size	14' x 6'
Drive	V-Belt	Fuel Tank	
System	Rubber-Pad	Fuel Storage Tank Capacity	10000 Lts
Slinger Conveyer Size	7.31 m	Fuel Service Tank Capacity	2000 Lts
Motor	7.5 HP	Fuel Service Tank's Heater (Optional) *	9 KW (12 HP)
Gear Box	"D" SMSR	Pollution Control Unit	
Belt Size	600 mm x 14.8 m	Extreme Turbulence Venturi Type	1.8 x 3.7 m
Thermo Dryer & Mixing Unit		Dust Emission	Less than 150 mg/m3
Diameter	1800 MM	Water Pump	3 HP Mono-Block
Length	7010 MM	Bitumen Tank {"O" Shape OR "U"}	20 Tones
Thickness	10 MM	Bitumen Tank's Burner Firing Rate	25-40 LPH
Motor	30 HP	Motor	250 W
Gear Box, Only Elecon	8 NU Worm Gear	Fuel Type	LDO/FO
Drive	Rotary Drive	Bitumen Pump Type	Hot Oil Jacked Gear Pump
Dust Collector Motor	3 HP	Bitumen Pump Make	Standard
Dust Collector Outlet Screw Gear	"C" SMSR	Bitumen Pump Motor	5 HP
Dust Collector's No. of Cones	20	Pump Capacity	260 LPM
Exhaust Capacity	18500 CFM	Pump's Gear	3 NU Worm Gear
Exhaust Motor	30 HP	Hot Line Motor	1 HP
Dryer Burner Firing Rate	550 LPH	Service Tank Motor / Pump	1 HP
Fuel Type	LDO/FO		
	Open Land Required	45 x 45 mts	
	Connected Load of Plant	132 KW (176 HP)	
	Recommended Cap of Genset	150 KVA	
Bitumen Tank	Tank main wall plate 5 mm and glass-wood insulation - 40 mm thickness, Tank outer wall 18 gauge thickness plate and other fabrication works as per engineering standard.		
Dryer Unit Chassis	I beam 400 mm & 350 mm chase, Other fabrication works as per engineering standard.		

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