

## ASPHALT ROAD CONSTRUCTION EQUIPMENTS PRODUCT RANGE

WE INTRODUCE  
ASPHALT BATCH MIXING  
PLANTS SPECIALLY  
DESIGNED TO SUIT  
COUNTRY - SPECIFIC  
NORMS AND  
REQUIRED AGGREGATE  
CONDITIONS.

MODEL	KBP-1250	KBP-1500	KBP-2000	KBP-2500	KBP-3000
CAPACITY	100 TPH	120 TPH	160 TPH	200 TPH	240 TPH



### ASPHALT BATCH MIX TYPE HOT MIX PLANT

(AS PER SPECIFICATION OF MORTH)

**KESAR** Offer above capacities of batch plants at an average 3% initial moisture content in cold aggregate at 45 seconds batch cycle time:

We are a leading company engaged in manufacturing & exporting highly efficient road construction machines & equipments. Our array includes : Asphalt Hot Mix Plants | Wet Mix Macadam Plants | Asphalt & Wet Mix Paver Finishers | Truck Mounted Bitumen Pressure Distributors | Tractor Linked Bitumen Emulsion Sprayers | Tractor Linked Bitumen Emulsion Sprayers with Compressor for Road Dust Cleaning | Hydraulic Broomers (Road Sweeper) | Bitumen Heating & Storage Tanks | Bitumen Drum Decanters (Asphalt Drum Melter) | Other Road Construction Machinery since last 23-years in World road industry.

Kesar Asphalt Batch Mixing Plants are specially designed to suit All Nation's normal aggregate conditions, input dust levels, average moisture content, government's environmental pollution control standards, fuel availability and asphalt hot-mix production variables for every road project around the World.

Therefore, our customers have absolutely no surprises to see a full capacity range of batch plants. Kesar batch plants reflect one of the most exhaustive plant systems available in Indian market. Standard configuration of our systems is perfectly matched to the plant capacity, production demands and site requirements of each plant model.

Kesar Asphalt batch plant produces high quality asphalt mix and its popularity lies in the fact that we guarantee rated production of final mix with minimum maintenance, fast plant delivery and the best after sales services to our valued customers.

The Standard configuration of the plants comprise of the following units :

- Cold Aggregate Feeder
- Over Size Removal Screen
- Inclined Feeding Conveyor
- Dryer Drum & Burner Unit
- Bucket Elevator of Hot Aggregate
- Screening Unit
- Hot Bins Discharge Section
- Weighing System & Mixing Unit
- Bitumen Heating & Storage Tanks
- Thermic Hot Oil Heater
- Fuel Storage Tank
- Filler Silo
- Bag House Filter Unit
- Exhaust Fan
- Control Panel with Control Cabin
- Incline Storage Silo



**KESAR** Stationary Asphalt Drum Mix Type Hot Mix Plant is the Synonym for High Quality. Top notch performance, Lower operating costs, Superb Service back up. Translating into productivity & return in turn High profits for the customer. Conforming to international standards the DM range of Asphalt Plants also conforms fully to the latest MORTH (Ministry of Road Transport & Highway) specification. The Drum Mix Type Hot Mix Plants has a class engineered to last, Standard Make Bought outs, precision engineering, quality processes and procedures with Kesar's rich experience ensure the pride in owning. The Standard configuration of the plants comprise of the following units :

- Cold Aggregates Bin Feeders
- Over Size Removal Vibrating Screen
- Slinger Conveyor Unit
- Drying & Mixing Unit
- Load Out Conveyor Unit
- Bitumen Heating & Storage Tank
- Fuel Tank
- Mineral Filler Unit
- Fully Automatic Control Panel
- Weather Proof Control Cabin
- Pollution Control Unit



MODEL	WMM-100	WMM-160	WMM-200	WMM-250
CAPACITY	100 TPH	160 TPH	200 TPH	250 TPH



**KESAR** Wet Mix Plant is Suitable for Wet Mix Macadam & sub base. The Plant Provides higher production in low cost with Automatic control of Wet Mix Material as per the latest MORTH (Ministry of Road Transport & Highway) specification. The Standard configuration of the plants comprise of the following units :

- Cold Aggregates Bin Feeders
- Slinger Conveyor Unit
- Load Out Conveyor Unit
- Fully Automatic Control Panel
- Vibrating Screen
- Pugmill Mixing Unit
- Water Storage Tank
- Weather Proof Control Cabin





## ASPHALT HOT MIX CUM WET MIX ROAD PAVER FINISHER (AS PER SPECIFICATION OF MORTH)

Paving Width 2.5 To 4.5 Mt. Kesar Paver Finisher is suitable to finish the Asphalt & Wet Mix Road very fast to meet today's requirement to avoid traffic problems as per MORTH Specification.



## ASPHALT MOBILE DRUM MIX PLANT



Truck Mounted Bitumen - Emulsion Pressure Distributor is developed for tack coat from Spraying Bar & between spraying application. This Equipments Capable of applying uniform Coating of hot & emulsion Bitumen on Specified surface in prescribed quantity. A unique pressure cleaning System Cleans the system after used. Spraying width ranging from 2.4 to 4.2 MTR (As per Customer Requirement)



## TRUCK MOUNTED BITUMEN-EMULSION PRESSURE DISTRIBUTOR

**CAPACITY : 4 Ton to 10 Ton (As per Specification of MORTH)**

Truck Mounted Bitumen - Emulsion Pressure Distributor is developed for tack coat from Spraying Bar & between spraying application, This Equipments Capable of applying uniform Coating of hot & emulsion Bitumen on Specified surface in prescribed quantity. A unique pressure cleaning System Cleans the system after used. Spraying width ranging from 2.4 to 4.2 MTR (As per Customer Requirement)



## BITUMEN - EMULSION SPRAYER

**CAPACITY : 2.5 & 3 Ton (As per Specification of MORTH)**

Tractor Linked Bitumen-Emulsion Sprayer Cum Road Dust Cleaner is developed Road Dust Cleaning by attached Heavy Duty Air Compressor & using for Tack Coat from Hand Spraying arrangements & between Spraying Application, This equipment capable to applying Uniform Coating of Hot Bitumen & Cold Emulsion on specified surface in prescribed quantity. A Unique Pressure cleaning system cleans the Pipeline after used. Spraying Pipe Length up to 5 Mtr. & Dust Cleaning Pipe with Gun of 10 Mtr.. We also Provides Drum Loading System for drum load on Unit for Emptying Drummed Bitumen in the Sprayer tank.



## BITUMEN - SPRAYER+COMPRESSOR

**CAPACITY : 2.5 & 3 Ton (As per Specification of MORTH)**

Tractor Linked Bitumen-Emulsion Sprayer is developed for Tack Coat from Hand Spraying arrangements and between Spraying Application, This equipment capable to applying Uniform Coating of Hot & Cold Emulsion bitumen on specified surface in prescribed quantity. A Unique Pressure cleaning system cleans the Pipeline after used. Spraying Pipe Length up to 5 Mtr. We also Provides Drum Loading System for drum load on Unit for emptying Drummed Bitumen in the sprayer tank.





**BITUMEN HEATING AND STORAGE TANK**



(AS PER SPECIFICATION OF MORTH)



**DIRECT HEATING TANKS**

Bitumen tanks are supplied of 'O'/'U'-shaped horizontal in position as per customer's choice. An oil fired auto control pressure jet burner burner is mounted on each tank to heat the bitumen to the desired temperature. In this direct-heating type tanks, the bitumen is heated by firing the burner into heating coil made of steel pipes.

Tanks capacity available is 10, 15, 20, 25 tons.

**INDIRECT HEATING TANKS**

In in-direct heating type tanks-cylindrical in shape & horizontal in position, the bitumen is heated by circulating hot thermic oil through its heating coil. A thermic oil heater with oil fired burner heats the thermic oil & this hot-oil is circulated through the heating coil inside the bitumen tank by an oil pump on heater. A single heater can easily heat nos. of tanks as required in continuous process. The temperature of oil is very well controlled by an auto thermostat on heater and so, bitumen never gets over-heated. Thus, the quality of bitumen (viscosity) never get deteriorated / spoiled in this kind of indirect heating system. Fuel consumed to heat every ton of bitumen is also less compared that for a direct heating system.

Tanks capacity available is 30, 40 & 50 tons.

DRUM INPUT LIFTER



EMPTY DRUM DUMPER



**ASPHALT DRUM MELTER (DECANTER)**

(AS PER SPECIFICATION OF MORTH)

KESAR decanters are designed for ease of operation & provide the most efficient system for ensuring a high throughput of drummed bitumen. Designed for use in association with bulk storage tanks the melted bitumen is automatically transferred from the decanter reservoir to the storage tank during the decanting process.



### THERMOPLASTIC ROAD MARKING AND PREHEATER MACHINE

Kesar - Thermoplastic Road Marking Machine for application of hot Thermoplastic making on Roads, Highways-for guiding and controlling traffic, City Roads - for smooth flow of traffic, Roads on the mountains, along the hills-to warn the drivers about the hazardous locations, Side streets, Parking lots, Factory floor, Air-ports & runways, Sports ground, Railway platform, Bus-stops, zebra crossings and other surfaces.

- Thermal Oil Jacketed Thermoplastic Preheaters, having a capacity of 300 Kgs. (12 Bags) as single unit are manufactured to a very high standard.
- New heating system & stirring system designs improves its melting efficiency.
- It is made of special steel with scorch resistance, heating resistance & oxidation resistance & melting quality is much better.



### KESAR AGGREGATE CHIP SPREADER

Kesar Electric Aggregate Chip Spreader is installed as a replacement of the rear side board of tipping lorries, by hinges (loose supply) to be welded on the back part of the truck. **IT IS PROVIDED WITH:** Mechanical roller functioning by geared motor connected to the truck battery 24 V supply spreading the gravel, with start / stop control taken into the cabin. Chute with spokes, for spreading the gravel. **SPREADING WIDTH : 2.5 M. | TECHNICAL INFORMATION** Kesar Electric Chips Spreader has to be installed (dismounted) as a replacement of the rear side board of tipping lorries / truck, by hinges (loose supply) to be welded on the back part of the truck.



## HYDRAULIC BROOM (SWEEPER) (SWEEPING WIDTH 2.25 METERS)

This is very easy to use at site for removal of the road dust easily on Metaling, Wet Mixed Macadam Surface & Asphalted Road Surface. This is Zero Maintenance machine for faster work and uses very low man Power. (As per Specification of MORTH)



The angular screw type brush section sweeping and pushing dust to left hand side of road.



Nylon Bristles ensure proper cleaning on WMM, Asphalted surface and WBM - Metaling surface.

## HYDRAULIC BROOM (SWEEPER)

3 nos. height adjusting screws with operating handles are provided for perfect and firm contact of brush roller with ground during sweeping plain or slopped ground surfaces of road. Roller is lifted using these 3 screws, while in transporting the machine. Screw type handle to adjust the brush section to earthing the road surface for sweeping. Total three such handles for adjustment up - down height for traveling and sweeping.



**FACTORY**

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