

OUR NETWORK

SIDHARATHA has the most cutting edge solutions for economical, flexible and environmentally friendly asphalt production. For Indian market also has a broad network proficient team of sales and service through India.

SIDHARATHA
INFRA TECH PVT. LTD.



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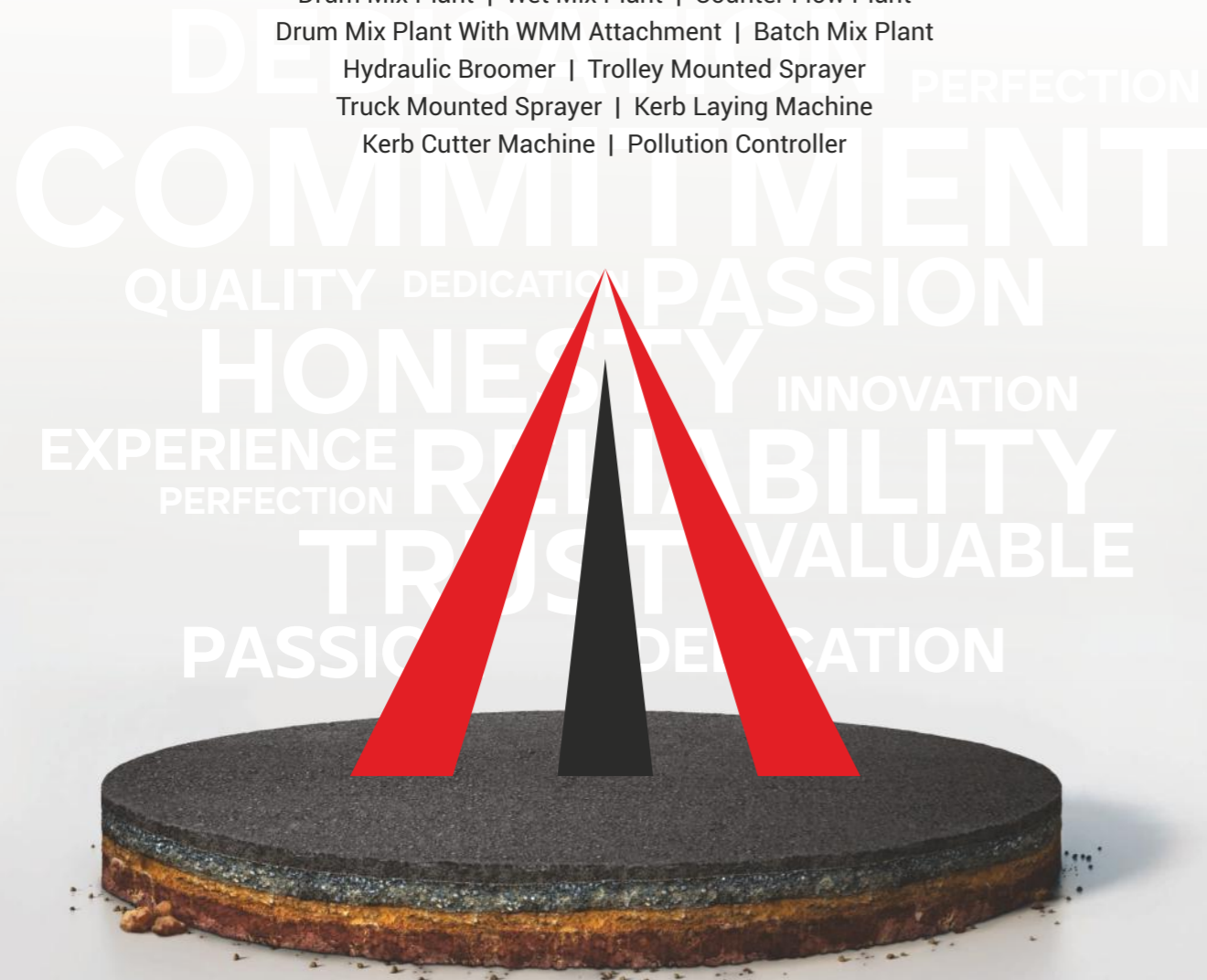


MAKING
WORLD CLASS
MACHINERY FOR
ROAD CONSTRUCTION
INDUSTRY

www.siplaspaltplant.com

INDUSTRY WE SERVE

Drum Mix Plant | Wet Mix Plant | Counter Flow Plant
Drum Mix Plant With WMM Attachment | Batch Mix Plant
Hydraulic Broomer | Trolley Mounted Sprayer
Truck Mounted Sprayer | Kerb Laying Machine
Kerb Cutter Machine | Pollution Controller



www.siplasphaltplant.com

about us

We "SIDHARATHA GROUP" established in 1995 by Founder Mr Govind Bhai Suthar at the industrial zone of city Mehsana (Hub of Road Construction Machine Manufacturing in India") North Gujarat (IN).

We are one of the nation's most popular road construction equipment manufacturer in the industry.



EXPERIENCE OF
25+
Years



Acquiring
well equipped factory in
6034 # MTR
own land area

vision

To be a part of india's growth story by providing world class road manufacturing machinery to build roads for connecting india.

quality

We "SIDHARATHA GROUP" are committed to being a customer's-oriented organization where quality is the inspiration and innovation on the way ahead. we also believe that there is no compromise in quality and therefore our all products are designed, with the focus of customer's exact need, consistently high quality, prompt delivery, affordable price, and fastest after sales service to our customers.

values

Honesty, Integrity, Quality, Reliability in both products and services drive our every action. Maintain a thirst for knowledge to better advise and assist our current and future customers. We function better as a team, with each person adding to the others abilities and knowledge.

innovations

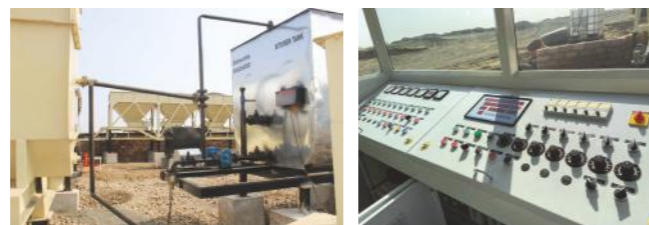
Our "SIDHARATHA ENGINEERING WING", with computerized work stations and manned by highly experienced, qualified and motivated Engineers is continuously working on tomorrow's solutions by constantly upgrading and developing the quality of products.

DRUM MIX PLANT

DM Series 20-120 TPH



Thermo drum Unit of entire plant is the real heart. It is made of a Rotating cylindrical steel drum Mounted on 4 – Trunnion rollers on a robust chassis on legs for vibration free rotation. Drum function is in 2 parts heating zone for aggregates heating to desired temp by numbers of internal cascading flights. A high-pressure oil-fired burner is mounted at feeding end & flame and hot gases heat aggregates by radiation, Convection and conduction heat transfer process. Lower half portion of drum is mixing zone where in hot liquid bitumen binder is sprayed in specially design J-shaped Flights Thoroughly mixes heated Aggregates By fully Coating Bitumen and Produces homogeneous Mix. A rotary discharge rotor at the drum end discharge out mix material on to load conveyor. Multicone cyclones and exhaust fan with stack is also mounted on the chassis at lower end. electronic, computerized control panel controls aggregate gradation control, bitumen % control & final Mix temperature as per MoRTH specifications.



Technical Specifications :

Model	DM-45 (40-60 TPH)	DM-50 (60-90 TPH)	DM-60 (90-120 TPH)
Four Bin Feeder			
No. Of Bin	4	4	4
Storage Capacity	40 Ton.	40 Ton.	54 Ton.
Auxiliary Drive Motor	2 HP X 4 Nos.	2 HP X 4 Nos.	2 HP X 4 Nos.
Auxiliary Conv. Belt	450 mm X 2.92 mtr.	450 mm X 2.92 mtr.	450 mm X 2.92 Mtr.
Gathering Drive Motor	5 HP	5 HP	5 HP
Gathering Belt	600mm X 24 Mtr.	600mm X 24 Mtr.	600mm X 24 Mtr.
Auxiliary Conv. Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box
Bin Vibrating Motor	0.5 HP	0.5 HP	0.5 HP
Vibrating Screen			
Screen Size	45mm X 45mm	45mm X 45mm	45mm X 45mm
Vibrating Motor	1 HP	1 HP	1 HP
Slinger Conveyor			
Drive Motor	3 HP	5 HP	5 HP
Conv. Drive Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box
Conveyor Belt	500mm X 14.2 mtr	600mm X 14.2 mtr.	600mm X 16 Mtr.
Dryer (Drum) Unit	1.23 mtr. X 6 mtr.	1.54 mtr. X 6.7 mtr.	1.85 Mtr. X 7.31 Mtr.
Drive Motor	20 HP	25 HP	40 HP
Drive Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Drive Chain Pitch	2.5" Pitch	3.075" Pitch	3.075" Pitch
Main Burner Connected Power	7.5 HP	10 HP	15 HP
Exhauster	10500 CFM	14500 CFM	18500 CFM
Exhauster Drive Motor	20 HP	25 HP	40 HP
Multi Cone Dust Collector			
No. Of Cones	12 Nos.	16 Nos.	20 Nos.
Dust Crew Drive Motor	1 HP	1 HP	2 HP
Mineral Filler	1000 Kg. Capacity	1000 Kg. Capacity	1000 Kg. Capacity
Drive Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box
Drive Motor	2 HP	2 HP	2 HP
Air Blower	3 HP	3 HP	5 HP
Fuel Tank Capacity	2000 Ltr.	5000 Ltr.	6000 Ltr.
Fuel Tank Drive Motor	2 HP	3 HP	3 HP
Fuel Oil Pump	600 LPH	1000 LPH	1500 LPH
Load Out Conveyor			
Conveyor Drive Motor	5 HP	5 HP	7.5 HP
Conveyor Drive Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box	Inbuilt Heavy Duty Gear Box
Conveyor Belt - HR Grade	500mmX17.9 Mtr. (HR Belt)	600mmX17.9 Mtr. (HR Belt)	600mmX21.2 Mtr. (HR Belt)
Gob Hopper Capacity	1000 Kg.	1200 Kg.	2500 Kg. (Silo)
Hyd. Power Pack	2 HP	2 HP	3 HP
Bitumen Tank			
Bitumen Heating Burner	Electronic Burner	Electronic Burner	Electronic Burner
Capacity	16 Ton.	22 Ton.	25 Ton.
Bitumen Drive Motor	5 HP	5 HP	5 HP
Bitumen Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Bitumen Pump (Jacketed)	2" X 2"	2" X 2"	2" X 2"
Control Cabin Inbuilt Control Panel	Fully Electronic Automation	Fully Electronic Automation	Fully Electronic Automation
Connected Power	85.5 HP	101 HP	142.5 HP
Open Land Requirement	35 Mtr. X 35 Mtr.	35 Mtr. X 35 Mtr.	40 Mtr. X 40 Mtr.
Optional	Pollution Control Unit Ventury Type	Pollution Control Unit Ventury Type	Pollution Control Unit Ventury Type

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WET MIX PLANT

WMM Series 60-220 TPH



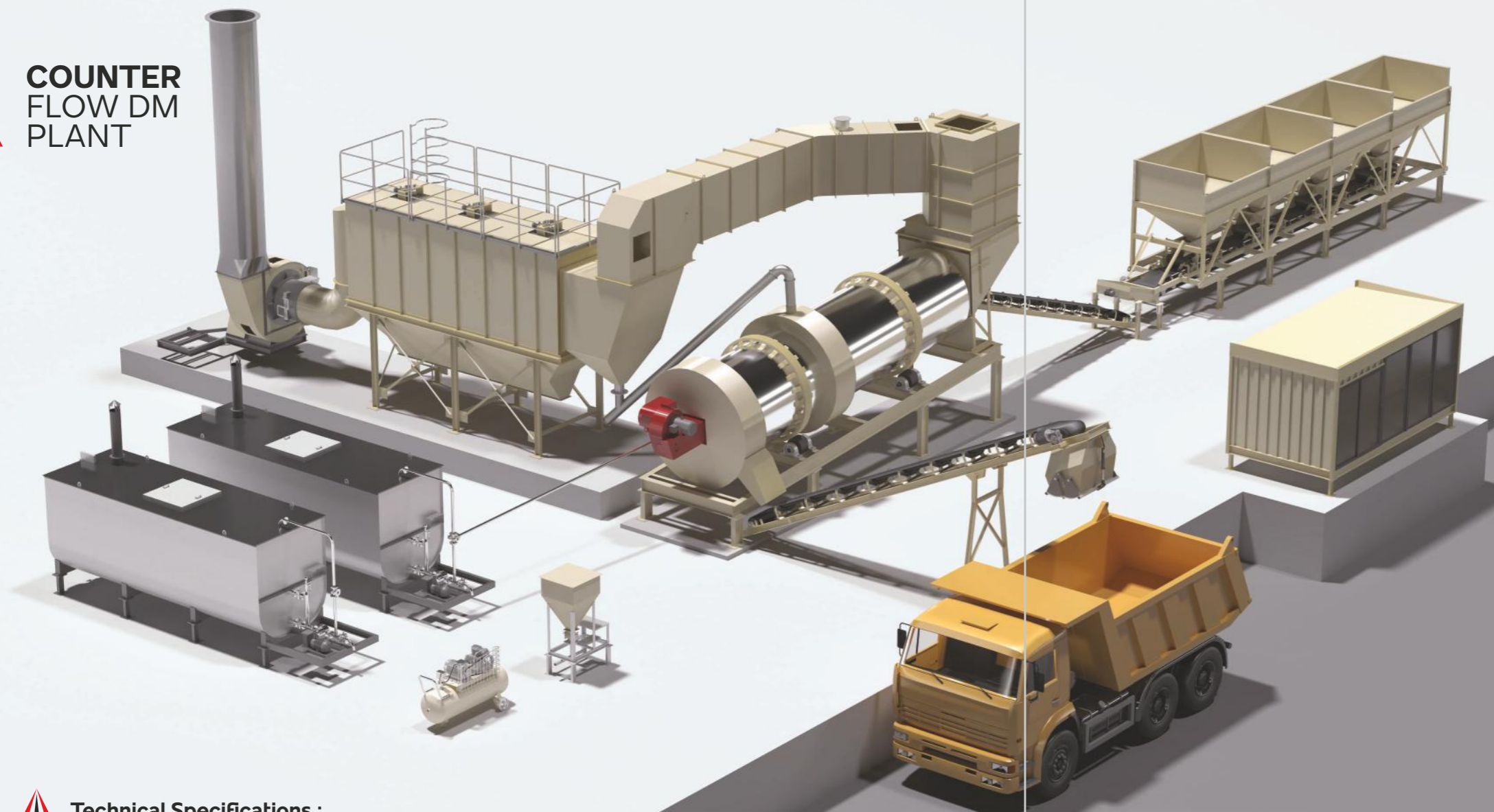
WMM plant is used for base & Subbase of road At Starting Of any road projects or during widening roads. Our plant is designed and made with focus in mind to make it best suitable to Indian customers & Indian site conditions of all over country. The plant is as per IRC technical specifications by MoRTH of government of India.

Technical Specifications :

Model	WM-100 (100-120 TPH)	WM-150 (150-180 TPH)	WM-200 (200-220 TPH)
Pugmill Unit			
No. of Arms	24	28	32
Gear	Heavy Duty Worm Type		
Connected Load	30 HP	40 HP	50 HP
Water Tank			
Capacity	10,000 Ltr.	12,000 Ltr.	12,000 Ltr.
Water Pump	2 HP	3 HP	3 HP
Vibrating Screen			
Drive Motor	1 HP		
Wire Mash	90 X 90 mm		
Four Bin Feeder			
No. of Bin	4		
Storage Capacity	40 Ton	40 Ton	54 Ton
Auxiliary Drive Motor	2 HP X 4 Nos.		
Auxiliary Conveyor Belt	450mm X 2.92mtr.		
Auxiliary Conveyor Gear Box	Inbuilt Heavy Duty Gearbox		
Gathering Drive Motor	5 HP		
Gathering Gear Box	Inbuilt Heavy Duty Gearbox		
Gathering Conveyor Belt	600mmX24mtr.		
Bin Vibrator	0.5 HP	0.5 HP	1 HP
Slinger Conveyor			
Drive Motor	5 HP		
Conveyor Belt	500mmX14.2mtr.	600mmX14.2mtr.	600mmX14.2mtr.
Conveyor Drive Gear Box	Inbuilt Heavy Duty Gearbox		
Load Out Conveyor			
Conveyor Drive Motor	5 HP	5 HP	7.5 HP
Conveyor Drive Gear Box	Inbuilt Heavy Duty Gearbox		
Conveyor Belt	600mmX17.9mtr.	600mmX17.9mtr.	600mmX21.200mtr.
Gob Hopper Capacity	1200 Kg.	1200 Kg.	2500 Kg. (Silo)
Hydraulic Power Pack	3 HP		
Required Storage Silo (Optional)	12 MT	15 MT	20 MT
Cement Screw Conveyor			
Cement 6" Screw Conveyor	5 HP		
Hopper Capacity	1 Ton.		
Hoper Vibrator	0.5 HP		
Hopper Wire Screen Mash	90 X 90 mm		
Control Cabin Inbuilt Control Panel			
Electric System	Fully Electronic Automation		
Optional Imulsion Tank Power	5 HP		
Total Connected Power	72 HP	84 HP	95.5 HP

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COUNTER FLOW DM PLANT



SIDHARATHA Launches a Continuous Flow Single Drum CF Dm-plant With Newest Technology Of Counter Flow Heating Of Aggregates And their Mixing With Bitumen in the Same Drum.

The Main Advantage Of this Technology is energy saving by less Fuel Consumption and minimum emission Pollution than in Conventional Parallel Flow Dm-Plant.

In this Plant, Burner is Mounted at the discharge end of thermodrum. A long nose burner through mixing zone of drum extends to the point After bitumen spray. Flame or hot gases Produced there by, never come in contact with bitumen or mix material and that is why no blue smoking of bitumen occurs which otherwise, damage binding characteristics of Bitumen in mix produced by parallel flow type plant.

Heating zone of drum and bitumen mixing zone is re-designed with internal flights functions with respects to their new location and function.

Exhaust gases without any bitumen particles are now suitable to pass through a bag filter and valuable dry fines can be used / recycled in the plant.

Water spray venturi type pollution control can be customers optional choice to save initial cost of plant.

RAP adding Facility is optional.

Technical Specifications :

Model	DM-50 (60-90 TPH)	DM-60 (90-120 TPH)
Feeder Unit		
Auxillary Conveyor Belt and Drive	450mm X 2.92m / 2HP X 4 Nos. = 8 HP	
Gathering Conveyor Belt and Drive	600mm X 24mtr/5HP	
Auxillary and Conveyor Gear Box	Inbuilt Heavy Duty Gear Box	
Bin Vibrator Motor	0.5HP	
Vibrating Screen		
Oversize Removal Size	45X45mm	
Drive	1HP	
Slinger Conveyor		
Slinger Conveyor Belt	600mmX16mtr.	
Slinger Conveyor Gear/Drive	Inbuilt Heavy Duty Gear Box/5HP	
Dryer Unit		
Type Drying Drum	Cylindrical, Inclined Counter Flow	
Diameter/Length	1650/7080mm (With Rap Ring)	1800/8500mm (With Rap Ring)Drum
Drive (Rap Ring)	12.5X4=50HP (Total 4nos)	15X4=60HP (Total 4nos)
Drum Drive Motor (Chain Drive) (Optional)	50HP	60HP
Drum Drive Pitch (Chain Drive)(Optional)	Pitch 3.075"	Pitch 3.075"
Dryer Burner Unit		
Burner Blower	15HP	20HP
Burner Pump/Pumping Unit	Dowty/7.5HP	
Exstauster Capacity	60HP Motor Power	75HP Motor Power
Bag House		
Filter Capacity	200m ²	
Fuel Tank		
Fuel Tank Capacity	10,000 Ltr.	12,000 Ltr.

Load Out Conveyor		
Load-Out Conveyor Belt Width	600mmX21mtr. (HR Belt)	
Load-Out Conveyor Gear/Drive	Inbuilt Heavy Duty Gear Box/7.5HP	
Gob Hopper Capacity	1.5 Ton	2 Ton
Hydraulic Power Pack	2HP	3HP
Filler Unit		
Mineral Filler Tank Capacity	1 Ton	
Mineral Filler Gear/Drive	Inbuilt Heavy Duty Gear Box/2HP	
Air Compressor	7.5HP	10HP
Bitumen Tank		
Bitumen Tanks	Horizontal Type, Direct Heating	
Bitumen Tanks Capacity	22000 Ltr.	25000 Ltr.
Bitumen Tanks Burner	Electronics	
Control Cabin		
Control Panel	Inbuilt Panel with PLC/Scada Based	
Recycling Additions	through rap addition ring in the drum	
Optional Items		
	Pollution Control Unit	
Open land Requirement	50 X 35 Mtr.	50 X 40 Mtr.
Gen. Set Capacity	180 KVA	200 KVA

Hot mix production capacity based on following conditions: 10 % bitumen and 12 % filler addition, input moisture of aggregates 3 %, hot mix temperature of 150 °C and 0 /2 fraction share max. 40 %.

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ASPHALT DRUM MIX PLANT AND WET MIX PLANT COMBO



YOUR ADVANTAGES

- Requires less land area due to common 4-bin feeder & ramp for aggregates feeding,
- One single compact automatic electronic panel, housed in a robust, fully furnished control cabin.
- Saving in cost of the machinery & land.
- Features of 2-plants (DM&WMM) are in a single combo plant, thus reduces the requirement utility machinery like: D.G.set, Loader for aggregates feeding & of course a single set operating staff thus,

Considerable Saving in Your Overall Production Cost.



WONDERFUL COMBO OF 2-PLANTS IN ONE.

- It fulfills all production requirements in a single unit.
 - It is Real Value for your money.
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ASPHALT BATCH MIX PLANT



SIDHARATHA ASPHALT BATCH MIX PLANT is an amazing combination of Acclimatized international technology to suit to Indian climatic conditions and economy. highly thermal efficient plant means considerable saving on fuel energy. - minimum carbon footprints due to minimum CO, CO2 gases & dust emission from stack thus pollution control system is designed to meet the stringent Govt. pollution norms. plant actually delivers promised tph as rated. - plant produces high quality consistent asphalt hot-mix by precise control of aggregates gradation & bitumen content of each batch by weighing on load cells.

Technical Specifications :

Plant Model	1000	1500	2000
Plant capacity at 3 % moisture content	80 t/h	120 t/h	160 t/h
Batch size	1000 kg	1600 kg	2000 kg
Cycle time	45 sec	45 sec	45 sec
Units			
Cold feed bins (No. of Bins)	4	4	4
Charging conveyor (Capacity)	140 t/h	140 t/h	180 t/h
Thermo drum (Dryer (LxD))	6.6 × 1.54 mtrs	7.5 × 1.8 mtrs	8 × 2.1 mtrs
Drive type	4W Friction drive		
Burner Type	High pressure, fully automatic, modulating		
Fuel	Diesel / furnace oil		
Capacity	7.6 MW/hr	14.1 MW/hr	14.1 MW/hr
Hot elevator capacity	140 t/h	140 t/h	180 t/h
Tower unit			
Filler elevator capacity	21 t/h	21 t/h	21 t/h
Screening unit (Screening method)	Inclined linear vibration		
No.of deck	4	4	4
Screening capacity	140 t/h	140 t/h	180 t/h
Weighing unit (Aggregate hopper capacity)	1600 kg	1600 kg	2000 kg
Filler hopper capacity	300 kg	300 kg	300 kg
Bitumen hopper capacity	225 kg	225 kg	225 kg
Mixer unit type	Twin-shaft hot oil jacketed		
Mixer capacity	1600 kg	1600 kg	2000 kg
Bitumen pump	800 lpm	800 lpm	800 lpm
Pollution Control Unit			
Primary type	Centrifugal double cyclone		
Secondary type	Bag house filter		
Bag house filter	Reverse airflow		
Filter area	330 m ²	330 m ²	330 m ²
Control panel type	Fully computerized with manual over-ride		
Accessories			
Filler silo (Capacity range)	10 Ton	15 Ton	15 Ton
Bitumen tanks (Capacity range)	15 / 25 / 30 / 50 Ton.		
Heating system	Direct heating / thermic oil heating		
Thermic oil heater (Hot oil heater capacity)	300000 / 500000 kcal/hr		
Hot mix storage silo (Capacity range)	12 – 200 m ³		
	3 % moisture content in cold aggregates		
	Aggregate density of 1.6 tons / m ³		
Plant capacity rated at:	Mean sea level		
	Ambient temperature of 30 °C		
	Hot mix temperature of 150 °C		

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HYDRAULIC BROOMER



Hydraulic road broom can be conveniently moved by attaching at the rear of a tractor. All the machine parts used in this road sweeper are highly durable and suited for tough road conditions. Operating and maintenance of this hydraulic road sweeper is easy. can be operated conveniently with the hydraulic drive of the tractor.

Technical Specifications :

Mode Of Operation	Can be Operated conveniently by towing with hydraulic drive of tractor		
Sweeping Width	1.6 Meter Clear Sweeping		
Sweeping Adjustments	Adjustable On Both sides as per the Slope of Road		
Wheel	Two Heavy Duty Wheels		
Material of Brush	Nylon bristles or Iron bristles or a combination of both		
Suitable to use for	Metaling		
	Wet Mixed Macadam Surface		
	Asphalt Road Surface Etc.		
Total Length	3300 mm	Sweeping Width	1600 mm
Width	2400 mm	Total Width Of Brush	2270 mm
Height	1500 mm	Angling of Brush	45 Degree
Sweeping Speed	7 to 15 km/hr.	Diameter of Brush	450 mm
Running Speed	25 km/hr.	Wheels for Drive	2 Tyre (Tyre Size 6.00-12)

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TROLLY MOUNTED BITUMEN SPRAYER



Easy Mobility, Fast Smooth To wing and Uniform bitumen spraying by a high pressure pump, nozzles and flexible hose are special benefits of our machine. Thick glass wool insulation with steel sheet Cladding on bitumen tank prevents heat losses and maintain bitumen temp. as required for spraying an easy to fire and operate lap oil Burner for any layman, quickly achieves bitumen temp to start the job without waste of time at job site. high pressure bitumen pump run through a gear box by an air cooled diesel engine is the major components of consideration of equipments performance .

Technical Specifications :

Bitumen Tank	Model	SIPL-3000
	SIPL-3000	3000 Litres
	Shape	U Shape
	Insulation	50mm Thick with glass wool
	Temp. Gauge	0-300° C
	Wooden Heating System	350mm Diameter X 10mm Thick
Manual Hand Spraying	Mounting	Self chachiss mounted on wheels
	Wheel Size	8.25.16 (2-Nos.)
	Pipe Length	3 Meters
	Type of Pipe	Ss Corrugated hose pipe
Bitumen Pump	Bitumen spraying pressure	0-3 kg/cm ²
	Bitumen Pump	1.5"X1.5" Size positive displacement gear pump with output of 200-300 Litre/min.
Burner	LAP Type Fuel consumption 7-8 Litre/hour	
Engine Fuel Tank	Capacity 5 Litre	
Burner Fuel Tank	Capacity 20 Ltr.	
Engine	Kirloskar make air cooled diesel engine	

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TRUCK MOUNTED SPRAYER (BPD)



This mobile equipment basically developed for prime coat of bitumen on WMM road surfaces and tack coat on old asphalt paver surfaces . It uniformly sprays hot bitumen or emulsion in exact prescribed quantity Kg/Mt² As Per Specifications Laid By IRC OF MoRTH. Capacity Range Available.



Technical Specifications :

Model	SIPL-4000	SIPL-6000	SIPL-8000	SIPL-10000
Tank Detail				
Length-L	2400 mm	3000 mm	4000 mm	4400 mm
Width-W	2108 mm	2108 mm	2108 mm	2208 mm
Height-H	1708 mm	1708 mm	1708 mm	1758 mm
Capacity	4000 Ltr.	6000 Ltr.	8000 Ltr.	10,000 Ltr.
Insulation	50 mm	50 mm	50 mm	50 mm
Shape Elliptical	Elliptical	Elliptical	Elliptical	
Burner				
Type	Compressed Air Type	Compressed Air Type	Compressed Air Type	Compressed Air Type
Burner Fuel Tank	50 Ltr.	50 Ltr.	50 Ltr.	50 Ltr.
Engine Fuel Tank	20 Ltr.	20 Ltr.	20 Ltr.	20 Ltr.
Service Tank	20 Ltr.	20 Ltr.	20 Ltr.	20 Ltr.
Recommended Chachiss				
Wheel Bas - WB	148"	176"	182"	198"
Clear Chechiss Length - CL	5000 mm	5600 mm	6600 mm	7000 mm
Min. Height of Chechiss - CH	1150 mm	1150 mm	1150 mm	1150 mm
Bitumen Pump	Internal Gear Pump	Internal Gear Pump	Internal Gear Pump	Internal Gear Pump
Driving Unit				
Engine Model	Kirloskar HA 294	Kirloskar HA 294	Kirloskar HA 294	Kirloskar HA 294
Engine Output	18.5 kW@2000rpm, Air Cooled	18.5 kW@2000rpm, Air Cooled	18.5 kW@2000rpm, Air Cooled	18.5 kW@2000rpm, Air Cooled
Air Compressor	Twin Cylindere, 2.25kW	Twin Cylindere, 2.25kW	Twin Cylindere, 2.25kW	Twin Cylindere, 2.25kW

Components Of Bitumen Sprayer:

- Fully Insulated (Galvanised/S.S. Sheet) bitumen tank fitted with automat burner for eatn te bitume at required temperature.
- Bitumen Puping system comprising of positive displacement gear pump, btumen lnes and valves.
- 25 HP Air Cooled two cylinder Engine
- Air Compressor
- Foldable spray bar with basic width 2.5 mtr. and extendable up to 4.2 mtr.. is fitted with pneumatically operated and easily adjustable nozzles placed at standard pitch of 225 mm. Spray bar delivers bitumen at ranging from 0-6 kg/sqm.
- Manual hand spraying attachment.
- Controls: The spraying system incorporates some of the best controls in terms of automation aanopeions well as maintenance making the equipment very rugged, easy to use & maintain. The automation provided is based on the parameters of asphalt required per unit area for a given job and the required flow of asphalt is controlled automatic based on the speed of the truck.
- Cleaning system to avoid clogging after use.

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KERB LAYING MACHINE



Sidharatha Kerber is a compact machine for laying concrete kerbs of different dimensions, through the extrusion process. An automatic Sensor device provides steering and height control. The use of a zero slump concrete ensures shape true to the mould design. The concrete can be fed into the machine from a Concrete Transit Mixer or a flat bed truck (tractor trolley) in KP 40.

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KERB CUTTER MACHINE

This is very easy to use for Cutting Road Divider. Also this is very fast and easy to operate with low maintenance and save time with decreased man power.

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POLLUTION CONTROL

Exhaust Gases Produced by burning fuel on any HMP contains fine dust particles and burnt carbon smoke. Such gases are passed through this pollution control unit which is in two parts venturi duct with water spraying and a separator tank. At throat of venturi duct water spraying nozzles producer, a mist of water in which all pollution particles mix and become heavy in weight. This wet gases then enters into separators tank in cyclonic motion & so they get separated in mud from main stream. The mud goes to water settling tank in the ground & is Periodically removed. Total pollution free clean gas goes into atmosphere. Pollution control efficiency is as close to high except very fine particles below 3 – Microns.



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COMPANY MANUFACTURING VIEW



- We, 'SIDHARATHA' - are located in prime industrial area of Mehsana city of Gujarat province, which is popular as an original hub of oem s of road construction industry in India.
- We're proud to be a leading oem company of the same, since long 25-years.
- 'SIDHARATHA' is an ISO-9001 certified company for quality management.
- We at 'SIDHARATHA' have an in house raw material testing laboratory and our well experienced engineers conduct idle test-run of each equipment, we produce to ensure consistently best quality.
- This ensures the manufacture of peerless products and a guarantee for consistent performance.

