

## Compact plant for RMC & Project Based Application

Concrete Batching Plant ECO 30 / ECO 20



### Plant Main Features

- Built in Single frame structure
- Require less space
- High Accuracy Weighing system
- Optimum Mixing Performance
- Low Maintenance cost



Plant Model	ECO 30	ECO 20
Plant Capacity	30 Cum / hr	20 Cum / hr
Mixer Type & Capacity	Pan / Planetary Mixer 750/500	Pan/ Planetary Mixer 500/350
Mixer Motor	25 Hp	20 Hp
Aggregate Storage	4 x 4 = 16 CM Compartment Type	4 x 3 = 12 CM Compartment Type
Cement Storage	50 Bag Capacity	30 Bag Capacity
Cement Feeding System	168 Dia x 10 Mtr Screw Conveyor	168 Dia x 10 Mtr Screw Conveyor
Material Transfer Conveyor	Chevron Type Conveyor Belt	Chevron Type Conveyor Belt
Cement Weighing System	300 kg Cement Hopper	250 kg Cement Hopper
Water weighing System	200 kg Water Hopper	200 kg Water Hopper
Additive Weighing System	6 kg Acrylic Container	6 kg Acrylic Container
Control Panel	Automatic PLC based Control Panel	Automatic PLC Based Control Panel
Air Compressor	2 HP	2 HP
Total Connected Power	65 HP	60 HP

## Compact plant for RMC & Project Based Application

### Concrete Batching Plant PICP45/PICP 30/PICP 20



#### Plant Main Features

- Built in Single frame structure
- Require less space
- High Accuracy Weighing system
- Optimum Mixing Performance
- Low Maintenance cost

PLANT MODEL	PICP 45	PICP 30	PICP 20
Plant Capacity	45 Cum / Hr	30 Cum / Hr	20 Cum / Hr
Mixer Type & Capacity	Pan / Planetary Mixer 1250/750	Pan / Planetary Mixer 750/500	Pan/ Planetary Mixer 500/350
Mixer Motor	30 Hp	25 Hp	20 Hp
Aggregate Storage	5 X 4 = 20 Cm Compartment Type	4 X 4 = 16 Cm Compartment Type	4 X 3 = 12 Cm Compartment Type
Cement Storage	50 Bag Capacity	50 Bag Capacity	30 Bag Capacity
Cement Feeding System	219 Dia X 10 Mtr Screw Conveyor	168 Dia X 10 Mtr Screw Conveyor	168 Dia X 10 Mtr Screw Conveyor
Aggregate Weighing System	Chevron Type Conveyor Belt	Chevron Type Conveyor Belt	Chevron Type Conveyor Belt
Cement Weighing System	450 Kg Cement Hopper	300 Kg Cement Hopper	250 Kg Cement Hopper
Water Weighing System	250 Kg Water Hopper	200 Kg Water Hopper	200 Kg Water Hopper
Additive Weighing System	6 Kg Acrylic Container	6 Kg Acrylic Container	6 Kg Acrylic Container
Control Panel	Automatic Plc Based Control Panel	Automatic Plc Based Control Panel	Automatic Plc Based Control Panel
Air Compressor	2 Hp	2 Hp	2 Hp
Total Connected Power	70 Hp	60 Hp	55 Hp





Compact Concrete Batching Plant is a fully automatic, compact Concrete Batching Plant with gravel & sand hoppers on single chassis with two by four bin. The plant comprises of adequate capacity gravel & sand hoppers, weighing conveyor suspended on electronic load cells, Pan Mixer unit, cement bin with screw conveyor, Rubber belt type charging conveyor, PLC based control panel.

Mixer unit is constructed from heavy duty steel is having 10 mm thick wear resistant replaceable liner plate and spring loaded paddle mixer arms with replaceable blades. Hydraulically operated gate facilitates the discharge of concrete mix from bottom of Pan Mixer on to the transit mixer or concrete pump. The drive to the mixing arm is through planetary Gear Box coupled with motor.



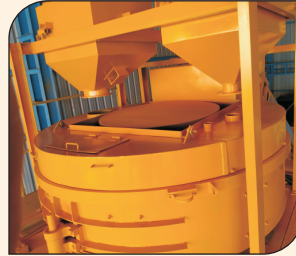


## Stationary Concrete Batching Plant for DAM & Road Application



Plant Model	PIST 30/ 40	PIST 60 /75	PIST 90
Plant Capacity	40 Cum / Hr	60 Cum / Hr	90 Cum / Hr
Mixer Type & Capacity	Pan Mixer/Twin Shaft Mixer	Twin shaft Mixer 1 Cm & 1.25 Cm	Twin Shaft Mixer 2250/1500
Mixer Motor	30 Hp	2 x 25 Hp /2 x 30 Hp	2 x 40 Hp
Aggregate Storage	7.5 x 4 = 30 CM Inline Bin Type	15 x 4 = 60 CM Inline Bin Type	20x 4 = 80 CM Inline Bin Type
Cement Storage	50 Bag Capacity	50 Bag Capacity	50 Bag Capacity
Cement Feeding System	219 Dia x 10 Mtr Screw Conveyor	219 Dia x 10 Mtr Screw Conveyor	273 Dia x 10 Mtr Screw Conveyor
Aggregate Weighing System	Plain Conveyor Belt	Plain Conveyor Belt	Plain Conveyor Belt
Material Transfer Conveyor	Chevron Type Conveyor Belt	Chevron Type Conveyor Belt	Chevron Type Conveyor Belt
Cement Weighing System	450 Kg Cement Hopper	550 Kg Cement Hopper	800 Kg Cement Hopper
Water Weighing System	250 kg Water Hopper	250 kg Water Hopper	450 kg Water Hopper
Additive Weighing System	10 Kg Acrylic Container	10 Kg Acrylic Container	10 Kg Acrylic Container
Control Panel	PLC Based Control Panel	PLC Based Control Panel	PLCBased Control Panel
Air Compressor	2 HP	3 HP	3 HP
Total Connected Power	80 HP	100 HP/120 HP	145 HP





Stationary Concrete Batching Plant is a fully automatic inline Concrete Batching Plant with four inline bin on single chassis. having adequate capacity of gravel & sand hoppers, weighing conveyor suspended on electronic load cells, this type of plant comes with three types of mixer pan mixer, planetary mixer & twin shaft mixer

Mixer consists of twin drums with two counter rotating rotors and specifically angled paddles. The rotors overlap in the centre of the mixer and the paddles completely sweep the bottom and mix all the material at the same time. In zone b the materials have a main movement counter clockwise at the perimeter of the mixer.



## Cement Silo / Flyash Silo



- Cement & Flyash storage system is widely used to store Loose Cement & Flyash . it is used in concrete batching plant , Flyash brick plant , AAC block plant & Hot mix plant. The structure of silo is made from MS steel plate material with having top man hole provision & bottom butterfly valve provision. Silo comes with inner & outer ladder which is used to clean or inspect the silo .
- We are providing cement & flyash storage silo from 50 ton capacity to 300 Ton capacity as per client requirement





## Solutions for silo feeding Systems & silo Accessories

### Flyash /Cement Bulker Unloading System



#### Twin Lobe Compressor :

We offer pneumatic conveying systems for cement bulker unloading twin lobe high volume low pressure blower makes it easy to unload the bulkers within hour. Reduces the dependability on the availability of compressor mounted bulkers only. This modal comes with 40 hp & 50 hp motors depend on capacity.

### Bag Feeding System

We also offer vertical & Inclined screw feeding systems for cement bag feeding systems to silos. Compare to other pneumatic bag/bulk feeding systems the connected electrical load is 1/5 for same feeding rate. Most cheaper solutions in terms of tons / electrical power



### Silo Accessories



- We also provide silo Accessories which is necessary to use in silo like

1. Pressure relief valve	2. Dust collector
3. Butterfly valve	4. Screw conveyor
5. Level indicator	6. Aeration & Vibrating pad

## Feeding Conveyor for Concrete Batching Plant

Feeding Conveyor products include various types of aggregate feeding systems for batching plants of different design and manufacturers.

Quality and Standard bought out items like, motors, gearboxes, rubber belts are important to hassle free operations of the products.

Pre-designed and bolted structures enable faster erections and dismantling of the systems. Choice of different inclinations and belt widths offers various models suitable from 20 m<sup>3</sup> to 120 m<sup>3</sup> capacity batching plants.



**Rotating Chute Mounted Belt Conveyor** for Compartment Plant 600 to 800 wide & 12000 mm to 19000 mm Long, Capacity – 100 to 200 TPH.

**Swivel Chute mounted on Plant type Belt Conveyor** for Compartment Plant 600 to 800 wide & 12000 mm to 19000 mm Long, Capacity – 100 to 200 TPH.





## WET MIX PLANT



Model (Capacity)	WM -100 (100 to 120 t/h)	WM -150 (150 to 180 t/h)	WM -200 (200 to 220 t/h)
<b>Fourbin Feeder</b>			
No of Bins	4	4	4
Storage Capacity	32 tons	40 tons	54 tons
Hopper Size (L x W)	2750 mm x 2250 mm	3000 mm x 2250 mm	3250 mm x 2500 mm
Auxiliary Drive Motor	1.5 kW x4 Nos	1.5 kW x 4 Nos	1.5 kW x4 Nos
Auxiliary Conveyor Belt	450 mm x2.75 mtrs x 3 ply	450 mm x2.75 mtrs x 4 ply	450 mm x2.75 mtrs x 4 ply
Gathering Drive Motor	3.75 kW	3.75 kW	3.75 kW
Gathering Conveyor Sail	600 mm x 22.5 mtrs x 3 ply	600 mm x 24 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply
Bin Vibrator (1 No.)	0.75 kW x 1400 rpm	0.75 kW x 1400 rpm	0.75 kW x 1400 rpm
Overall Dimension (Approx)	12.1 mtrs x 2.1 mtrs x 2.13 mtrs	13.13 mtrs x 2.38 mtrs x 2.45 mtrs	13.13 mtrs x 2.63 mtrs x 2.55 mtrs
Total Connected Load	10.50 kW	10.50 kW	10.50 kW
<b>Vibrating Screen</b>			
Drive Motor	0.37 kW x 750 rpm	0.37 kW x 750 rpm	0.37 kW x 750 rpm
Screening Area	1.1 m <sup>2</sup>	1.1 m <sup>2</sup>	1.1 m <sup>2</sup>
Wire Mash	90 mm x 90 mm	90 mm x 90 mm	90 mm x 90 mm
<b>Slinger Conveyor</b>			
Conveyor Drive Motor	3.75 kw	3.75 kw	3.75 kw
Conveyor Belt	500mm x 15.00 mtrs x 3 ply	600 mm x18.00 mtrs x 3 ply	600 mm x 18.00 mtrs x 3 ply
<b>Pug Mill Unit</b>			
Capacity	1.62 Cu.m	1.90 Cu.m	2.40 Cu.m
No. of Arms	38	44	52
Drive Motor	22.5 kW	30.0 kW	37.5 kW
Shipping Dimension (L x W x H)	4015 x 1900 x 3115 mm	4440 x 2145 x 3100 mm	4440 x 2145 x 3100 mm
<b>Water Tank</b>			
Capacity	10000 itr	12000 itr	15000 itr
Water Pump	1.5 kW	1.5 kW	1.5 kW
<b>Loadout Conveyor Belt</b>			
Conveyor Drive Motor	3.75 kW	5.62 kW	7.5 kW
Conveyor Belt	600 mm x 18 mtrs x 3 ply	600 mm x 28 mtrs x 3 ply	700 mm x 32 mtrs x 3 ply
Hydraulic Power Pack	2.25 kw	2.25 kw	3.75 kw
Silo Hopper Capacity	2 ton	10 ton	15 ton
Total Connected Load	44.62 kW	53.99 kW	64.87 kW
Recommended Capacity of Genset	82.5 kva	125 kva	125 kva
Open Land Requirement	38 mtr x 20 mtr	40 mtr x 20 mtr	40 mtr x 20 mtr

## DRUM MIX PLANT



Model (Capacity)	DM - 45 (40 to 60 t/h)	DM - 50 (80 to 100 t/h)	DM - 60 (100 to 120 t/h)
<b>Fourbin Feeder</b>			
No. of Bins	4	4	4
Storage Capacity	32 tons	40 tons	54 tons
Auxiliary Drive Motor	1.5 kW x 4 Nos	1.5 kW x 4 Nos	1.5 kW x 4 Nos
Auxiliary Conveyor Belt	500 mm x 2.75 mtrs x 3 ply	500 mm x 2.75 mtrs x 3 ply	500 mm x 2.75 mtrs x 3 ply
Auxiliary Conveyor Gear Box	SMSR x 4 Nos	SMSR x 4 Nos	SMSR x 4 Nos
Gathering Drive Motor	3.75 kW	3.75 kW	3.75 kW
Gathering Gear Box	SMSR	SMSR	SMSR
Gathering Conveyor Belt	500 mm x 22.5 mtrs x 3 ply	600 mm x 24 mtrs x 3 ply	600 mm x 26 mtrs x 3 ply
Bin Vibrator (1 No)	0.75 kW	0.75 kW	0.75 kW
Feeding Capacity	100 tph	150 tph	200 tph
Overall Dimension (Approx)	12.10 mtrs x 2.10 mtrs x 2.32 mtrs	13.13 mtrs x 2.38 mtrs x 2.45 mtrs	13.13 mtrs x 2.63 mtrs x 2.55 mtrs
Total Connected Load	10.50 kW	10.50 kW	10.50 kW
<b>Vibrating Screen</b>			
Drive Motor	0.37 kW x 750 RPM	0.37 kW x 750 RPM	0.37 kW x 750 RPM
Wire Mash	65 mm x 65 mm	65 mm x 65 mm	65 mm x 65 mm
Slinger Conveyor			
Conveyor Drive Motor	3.75 kW	3.75 kW	3.75 kW
Conveyor Drive Gear Box	SMSR	SMSR	SMSR
Conveyor Belt	600 mm x 15 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply
<b>Drum Mix Plant Unit</b>			
Drive Motor	15.00 kW	18.75 kW	30.00 kW
Drive Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Drive Chain Pitch	63.5 mm	78.1 mm	78.1 mm
Main Burner Connected Power	250 iph / 3.75 kW	350 iph / 35.62kW	770 iph / 11.25 kW
Exhauster Fan	800 mm	900 mm	1000 mm
Exhauster Drive Motor	15.00 kW	18.75 kW	30.00 kW
<b>Multiclone Primary Dust Collector</b>			
No. of Cones	15	20	21
Dust Screw Drive Motor	1.5 kW	1.5 kW	1.5 kW
<b>Fuel Tank</b>			
Capacity	2000 liters	2000 liters	3000 liters
<b>Loadout Conveyor</b>			
Conveyor Belt- HR Grade	500 mm x 15 mtrs x 3 ply	600 mm x 18 mtrs x 3 ply	600 mm x 20 mtrs x 3 ply
Gob Hopper Capacity	1.0 ton	1.0 ton	1.5 ton
Hyd. Power Pack	2.25 kW	2.25 kW	2.25 kW
<b>Bitumen Tank</b>			
Capacity	15 tons	20 tons	25 tons
Bitumen Drive Motor	3.75 kW	3.75 kW	3.75 kW
Bitumen Gear Box	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
Bitumen Pump (Jacketed)	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm	50.8 mm x 50.8 mm
Hot Oil Drive Motor	0.75 kW	0.75 kW	0.75 kW
Hot Oil Pump	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm	19.05 mm x 19.05 mm

Secondary Pollution Control Unit (Optional)		Accessories	
<b>CV Series Wet Dust Collector</b>			
Type: Venturi	Bitumen Tank	Capacity	15 / 20 / 25 / 30 / 50 tons
Exhauster Power: 15/18.75/30 kW		Heating type	Direct / Hot Oil Heating Type
Dust Emission: < 150 mg / Nm <sup>3</sup>	Hot oil Heater	Type	Normal Pressure Horizontal Tubular boiler
Overall Dimension without Ducts:		Capacity	500 000 Kcal / hr.
4500mm(L) x 1800mm(W) x 2300mm(H)	Hot mix Storage Silo	Capacity	10 / 15 / 25 / 50 tons



## MECHANICAL PAVER FINISHER WM 6 CEV STAGE IV



Engine Make	Kirloskar BS-Iv Model 4R1190ta1 or Equivalent
Engine Output	110 HP at @2200 rpm
Battery	12 Volts (150 ah)
Tyres: Front 2 nos.-Solid Rubber	OD 22" X ID 16" X W 20 "
Tyres: Rear 2 nos.-Pneumatic	12 x 20-20 ply
Paving Thickness	10-200 mm
Paving Speed	1.25-23 meter/minute
Paving Width	2.5 to 4.5 meters (Hydraulically Extendable Screed)
Travel Speed	0-19 KMPH
Steering	Power Steering
Hopper Capacity	4 cubic meters
Fuel Tank Capacity	120 litres
Hydraulic Oil Tank Capacity	80 litres
Screed Heating	2 Nos. Oil Burners
Auger Diameter	300 mm
Screed Vibration	0-30 Hz
Crown	-1 to +3
Standard Accessories	Tool Box

## OUR PRODUCTS



**Drum Mix Plant**



**Wet Mix Plant**



**Hydraulic Broomer**



**Truck Mounted Sprayer**



**Compact Concrete Batching Plant**



**Stationary Concrete Batching Plant**



**Paver Finisher**



**Mobile Concrete Batching Plant**



**Feeding Conveyor**



**Concrete bucket**



**Kerb Paver**



**Kerb Cutter**