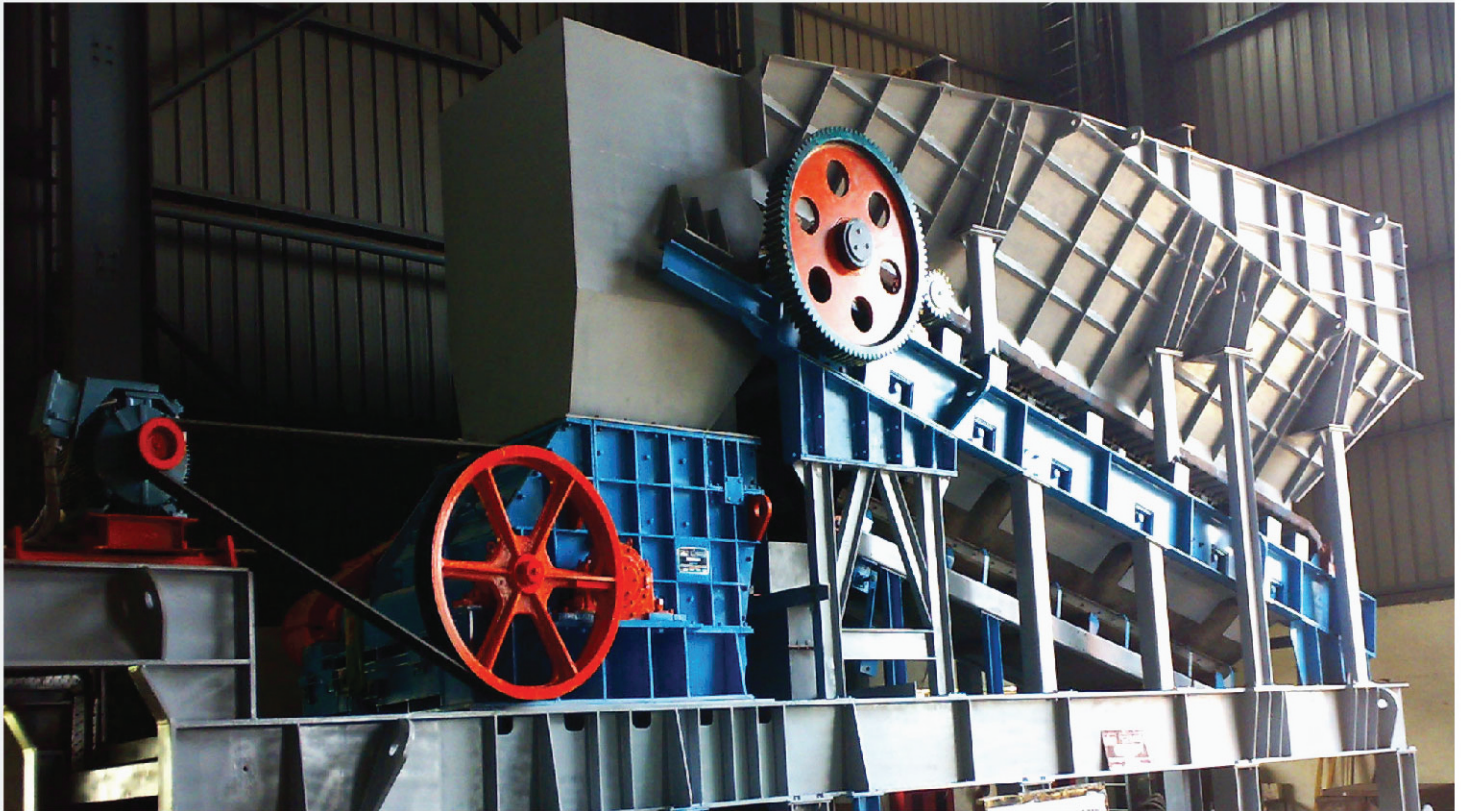


# McNALLY SAYAJI ENGINEERING LIMITED

(A Member of the Williamson Magor Group)



## SKID MOUNTED CRUSHING PLANT

At MSEL we believe in constantly reinventing ourselves. And in line with this we are always on the lookout for new avenues and opportunities.

McNally Sayaji Engineering Limited (MSEL), with factories in Kumardhubi, Asansol, Bangalore and Baroda, is one of the country's leading manufacturer of Crushing, Screening, Milling, Material Handling and mineral processing and other heavy equipment, serving the core sectors of the economy. These sectors include Coal, Mining, Power, Steel, Ports, Cement, Aluminium and Non-Ferrous Metals.

All manufacturing units of MSEL are ISO 9001-2008 certified with well established quality assurance department supported by modern testing facilities and

managed by a team of highly experienced professionals.

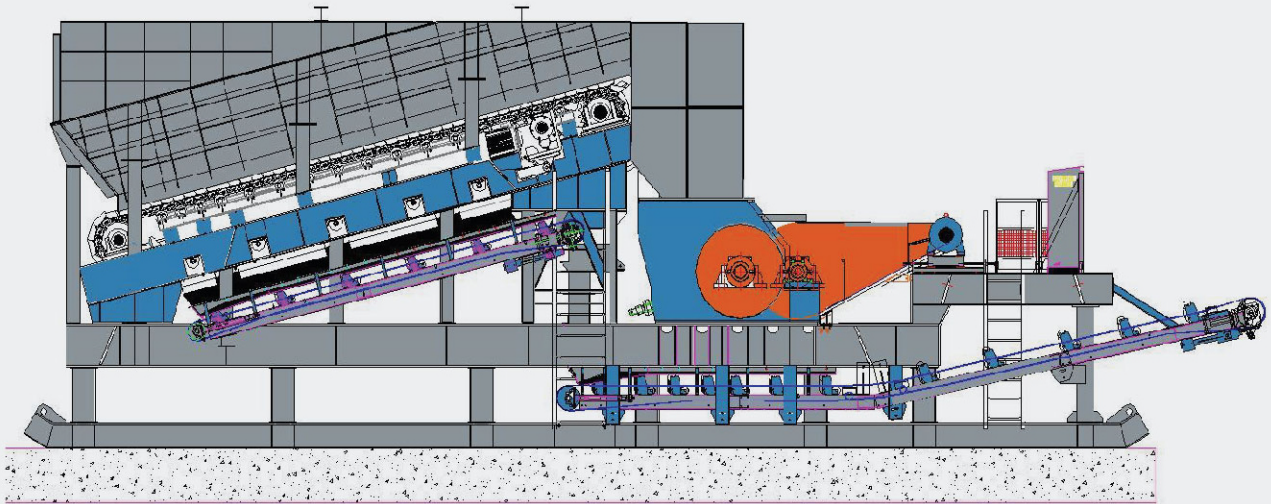
MSEL has branch offices at Kolkata, Bangalore, Chennai, Delhi, Mumbai, Hyderabad, Nagpur, Vishakhapatnam, Kochi, Vijaywada, Coimbatore. This makes MSEL capable to render comprehensive customer support.

MSEL has inducted technology over the years through strategic alliances and developed focused R&D and Design & Development teams, who offer optimum and cost effective solutions to meet customer needs.

MSEL make Skid Mounted Crushing Plant is the cheapest option of on-site crushing unit with a great mobility with a minimum cost of foundation. MSEL offers a range of Skid Mounted Plant for crushing Coal or soft Lime Stone from 1200 mm size to 20 mm size in various combinations of equipment depending on the actual feed size and the desired product size.

# Primary Crushing Unit

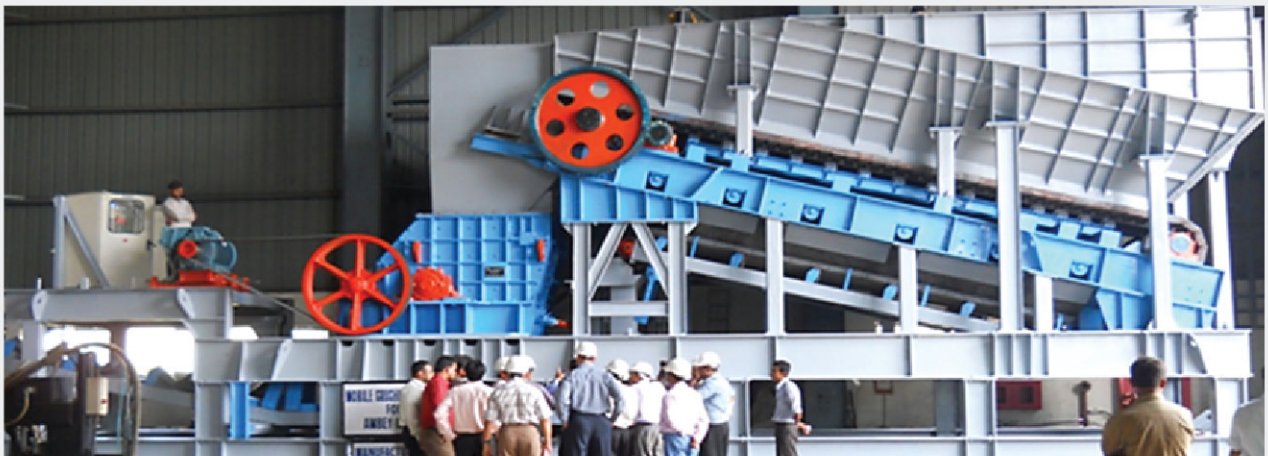
The Skid Mounted Primary Crushing Unit generally consists of a 30 m<sup>3</sup> Feed Hopper, an Apron Feeder of size 1.5 m wide x 7.3 m long, a Single Roll Crusher, a 1000 mm x 5 m long Spillage Conveyor and a Discharge Conveyor of size 1400 mm x 10 m long. All the above equipment are mounted on a common structural Chassis and provided with all inbuilt electricals and control panel.



*Primary Crushing Unit with Single Roll Crusher*

Model No.	SM SR 1114	SM SR 1414	SM SR 1616
Feed Material	Coal	Coal	Coal
Feed Size (Max. dimension)	600 mm	1000 mm	1200 mm
Product Size	(-) 150 mm	(-) 200 mm	(-) 200 mm, 90%
Crusher Type	Single Roll Crusher	Single Roll Crusher	Single Roll Crusher
Crusher Size	1100 x 1400	1400 x 1400	1600 x 1600
Capacity, tons/ hr	Up to 400	Up to 500	Up to 600
Approximate Power, kw	144	186	220

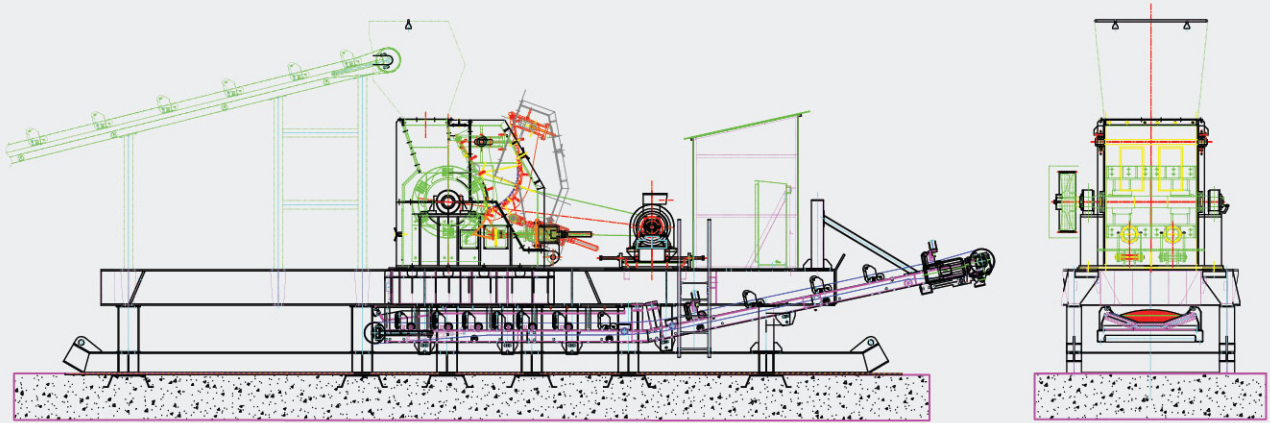
For larger feed size and higher capacity Primary crushing unit 1.8 m wide Apron Feeder is used. As per client's requirement Feed Hopper upto 80 cubic meter volume can be provided with external support. Size of Discharge Conveyor is also different for a plant capacity above 600 tph.



*Primary Crushing Unit Trial at Shop Floor*

# Secondary Crushing Unit

The Skid Mounted Secondary Crushing Unit is an independent unit generally consisting of a small hopper, a Belt Conveyor of size 1200 mm x 15 m long, an Impactor and a Discharge Belt Conveyor of size 1400 mm x 10 m long with all Electricals mounted on a common structural chassis. Size of belt conveyor depends on the plant capacity, actual layout, crusher type and size. Replacing Impactor, the secondary unit can also be provided with Double Roll Crusher or Ring Granulator.



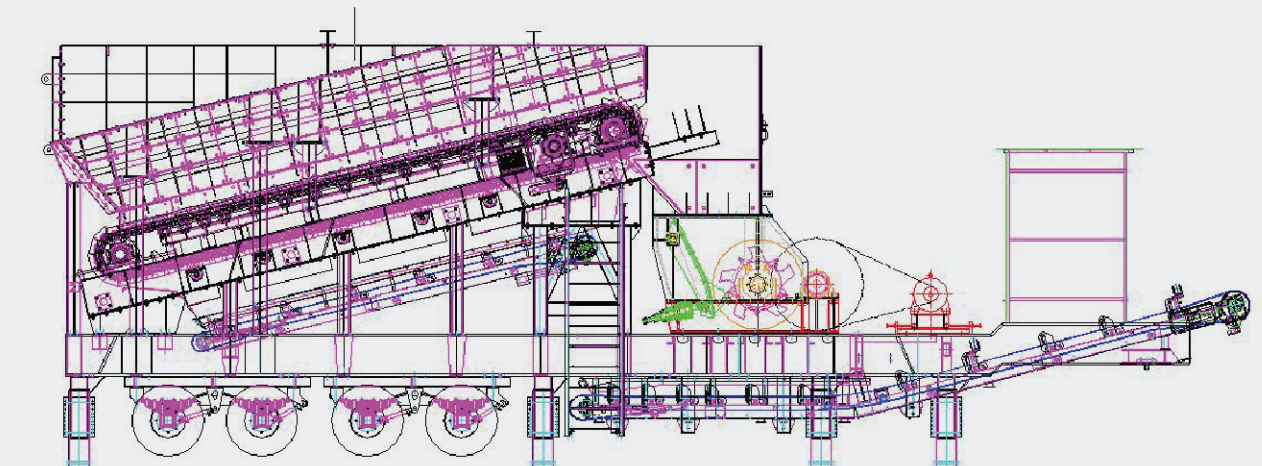
Secondary Crushing Unit with Impactor

Model No.	SM I 1215	SM I 1218	SM I 1418
Feed Material	Coal	Coal	Coal
Feed Size (Max. dimension)	200 mm	200 mm	250 mm
Product Size	(-) 20 mm, 85%	(-) 20 mm, 85%	(-) 50 mm, 95%
Crusher Type	EK series Impactor	EK series Impactor	EK series Impactor
Crusher Size	1200 x 1500	1200 x 1800	1400 x 1800
Capacity, tons/ hr	Up to 250	Up to 350	Up to 600
Approximate Power, kw	218	280	300

The Secondary Unit can be integrated with the Primary Unit by adding one transfer conveyor between the two units.

# Mobile Coal Crushing Unit

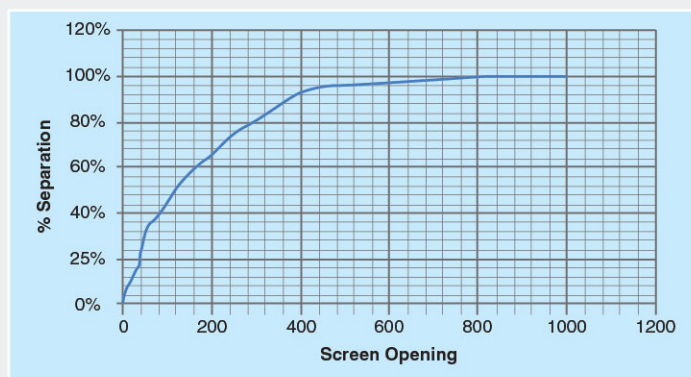
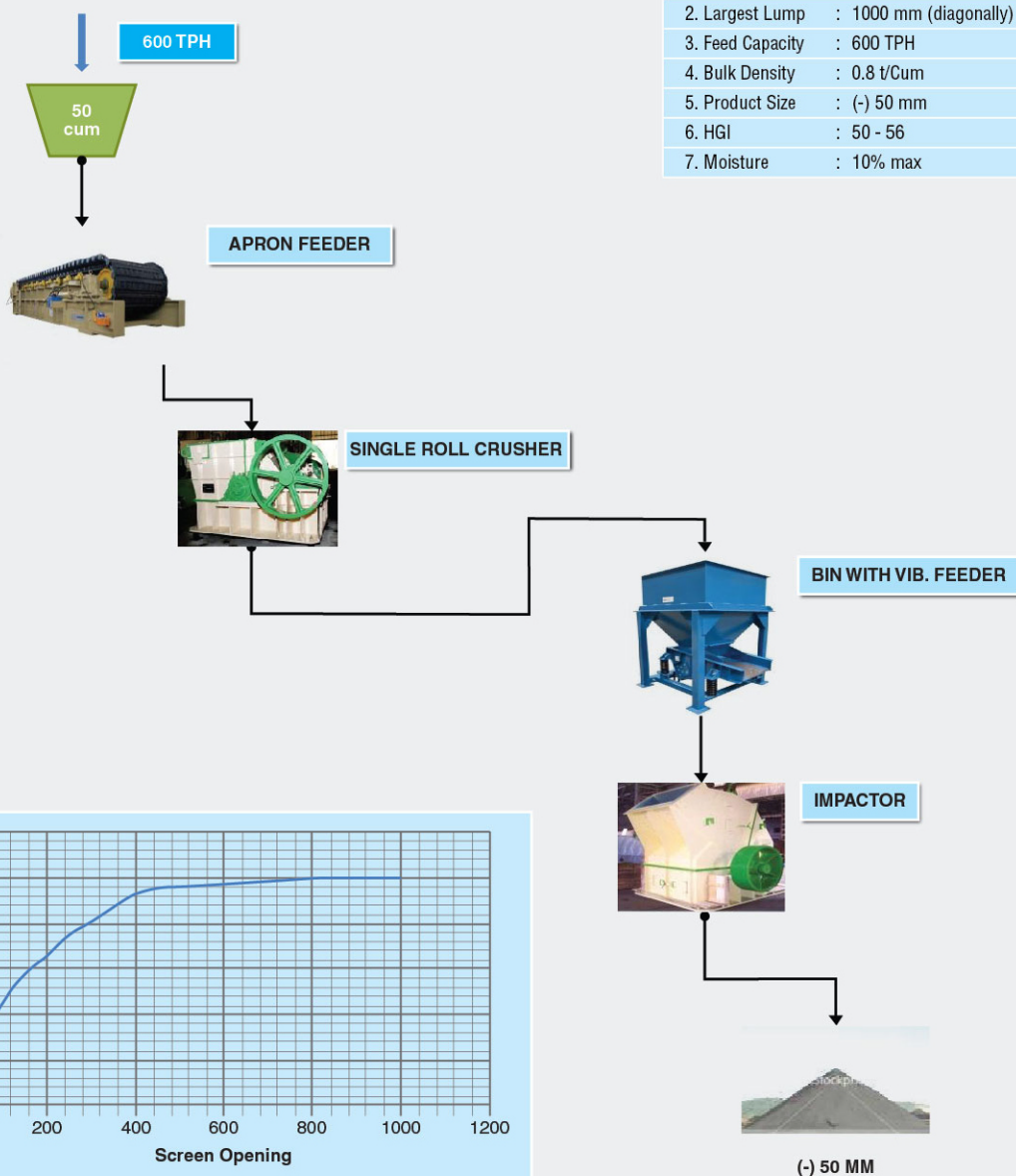
On Clients' request the crushing unit can be mounted on wheels to increase mobility. During operation the unit is supported on suitable jacks. However, the Feed Hopper is dismantled during shifting.



## 600 TPH SKID MOUNTED 2-STAGE CRUSHING PLANT

### Feed Material Specification:

1. Feed Matl	: ROM Coal
2. Largest Lump	: 1000 mm (diagonally)
3. Feed Capacity	: 600 TPH
4. Bulk Density	: 0.8 t/Cum
5. Product Size	: (-) 50 mm
6. HGI	: 50 - 56
7. Moisture	: 10% max



Capacity and Product Gradation as indicated depends on various parameter. However, under normal operating conditions it may vary within a range of +/-10%.

## McNally Sayaji Engineering Limited

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Crusher | Screen | Grinding Mill | Feeder | Conveyor | Wagon Tippler | Pulley & Idler | Port Crane | Stacker Reclaimer | Mobile/Skid Mounted Crushing & Screening Plant | Slurry Pump | Thickener | Flotation Cell | Pressure Vessel | Equipment for Iron Ore, Steel, Cement, Power, Coal & Other Non-Ferrous Metal Processing Plants