McNALLY SAYAJI ENGINEERING LTD.

COMPANY PROFILE
Over 5 decades in business of
Crushing, Screening and Material Handling Equipment & Process Equipment for
Mineral and Mining Industry
CORPORATE OFFICE:
MCNALLY SAYAJI ENGINEERING LTD
ECOSPACE, CAMPUS 2B,
NEWTOWN
KOLKATA 700160
INDIA
KUMARDHUBI

UNIT - I

UNIT - II

OPEN AREA : 32,250 m²
COVERED AREA : 18,750 m²
KUMARDHUBI FACTORY -UNIT II
OPEN AREA : 79795 Sqm
COVERED AREA: 20900 sqm
VADODARA MANUFACTURING FACILITY

MACHINE SHOP/ FABRICATION SHOP
AREA 25X150 m

ASSEMBLY SHOP/ FABRICATION SHOP
3 BAYS- 25X150 m EACH
BENGALURU FACTORY / OFFICE

OPEN AREA : 16,100 m²

COVERED AREA : 4,500 m²
ASANSOL FACTORY

OPEN AREA: 83,500 m²
COVERED AREA: 17,500 m²
MANUFACTURING FACILITY - ASANSOL

STRINGENT INSPECTION
MSEL PRODUCT RANGE

1. CRUSHING EQUIPMENT
2. SCREENING EQUIPMENT
3. GRINDING EQUIPMENT
4. FEEDING EQUIPMENT
5. MATERIAL HANDLING EQUIPMENT
6. ASH HANDLING EQUIPMENT
7. PROCESS PLANT EQUIPMENT
8. STEEL PLANT EQUIPMENT
9. WHEEL & SKID MOUNTED CRUSHING PLANT
10. CONSTRUCTION EQUIPMENT / PLANT
11. JOB SHOP FOR PORT, OPEN CAST MINING ETC.
CRUSHING EQUIPMENT

• ROLL CRUSHER: Single Roll Crusher
  Toothed Double/ Triple Roll Crusher
  Smooth Double Roll Crusher
• HEAVY DUTY IMPACTOR
• GENERAL DUTY IMPACTOR (EK SERIES)
• SWING HAMMER REVERSIBLE IMPACTOR
• REVERSIBLE HAMMER MILL
• ONE WAY HAMMER MILL
• RING GRANULATOR
• JAW CRUSHER: Single Toggle Jaw Crusher
  Double Toggle Jaw Crusher
• CONE CRUSHER
• COKE CUTTER
• ROTARY BREAKER
• CHAIN MILL
• LUMP LOOSENER
• SINGLE ROLL LUMP BREAKER (SIZES 600 mm TO 710mm DIA & 100mm TO 2000mm DIA)
CRUSHING EQUIPMENT
ROLL CRUSHER
SINGLE ROLL CRUSHER

- SIZES:
  ROLL DIA - 500 mm to 1800 mm
  ROLL WIDTH - 450 mm to 2800 mm
CRUSHING EQUIPMENT

ROTORS OF TOOTHED DOUBLE ROLL CRUSHER

FOR TWO STAGE REDUCTION IN A SINGLE UNIT. USED FOR COAL, LIME STONES, FERTILIZERS AND CHEMICALS

TRIPLE ROLL CRUSHER
DIAMETER 500 mm TO 1600 mm,
WIDTH 500 mm TO 3800 mm,
CAPACITY RANGE 10 TPH to 800 TPH
CRUSHING EQUIPMENT
HEAVY DUTY IMPACTOR

DIAMETER 600 mm TO 1600 mm,
WIDTH 600 mm TO 2000 mm,
CRUSHING EQUIPMENT
EK SERIES IMPACTOR

DIAMETER 800 mm TO 1800 mm,
WIDTH 800 mm TO 2400 mm,
CAPACITY UPTO 600 TPH FOR 15 mm PRODUCT

ROTOR OF 1800 mm DIA X 2400 mm WIDE
600 TPH COAL IMPACTOR
CRUSHING EQUIPMENT

REVERSIBLE HAMMER MILL

- SIZES:
  FROM 400 mm DIA X 400 mm LONG
  TO 2000 mm DIA x 2200 mm LONG
CRUSHING EQUIPMENT

RING GRANULATOR

SIZES:
FEED OPENING FROM 500 mm X 1100 mm
TO 1000 mm X 3300 mm
CRUSHING EQUIPMENT

SINGLE TOGGLE JAW CRUSHER

Sizes from 250 mm x 900 mm
to 1050 mm x 1200 mm.
CRUSHING EQUIPMENT

DOUBLE TOGGLE JAW CRUSHER

SIZES FROM 300 mm X 175 mm TO 1500 mm X 1200 mm.

MSEL Double Toggle Jaw Crusher
CRUSHING EQUIPMENT

CONE CRUSHER

500 mm TO 1200 mm DIA
CRUSHING EQUIPMENT

ROTARY BREAKER

SIZE:
FROM 12' DIA. X 18' LONG
TO 12' DIA. X 27' LONG
SCREENING EQUIPMENT

- CIRCULAR MOTION VIBRATING SCREEN
- LINEAR MOTION VIBRATING SCREEN
- ROLLER SCREEN
- LIVE ROLL GRIZZLY (SIZE: 1200 mm WIDE X 3800 mm LG, 1200 mm WIDE X 4400 mm LG.)
- HIGH PARTICLE ACCELERATION SCREEN
- BANANA SCREEN
- SCREENING FEEDER
SCREENING EQUIPMENT

CIRCULAR MOTION VIBRATING SCREEN

WIDTH 600 mm TO 2500 mm &
LENGTH 1300 mm TO 7000 mm,
SCREENING EQUIPMENT
LINEAR MOTION VIBRATING SCREEN

SIZES:
FROM 1200 mm WIDE X 2500 mm LONG
TO 3400 mm WIDE X 6500 mm LONG
SCREENING EQUIPMENT

ROLLER SCREEN

SIZES:
FROM 1500 mm WIDE X 3000 mm LONG
TO 2400 mm WIDE X 6000 mm LONG
SCREENING EQUIPMENT

HIGH PARTICLE ACCELERATION SCREEN

SIZES:
FROM 1500 mm WIDE X 4410 mm LONG
TO 2000 mm WIDE X 8800 mm LONG
GRINDING EQUIPMENT

• BALL MILL
• ROD MILL
• VIBRATING TUBE MILL

BALL MILL
SIZE: UPTO 5 m DIA
MOTOR : UPTO 4600 kw
FEED: 80% MINUS 20 mm
PRODUCT: 80% MINUS 44 MICRONS

BALL MILL SHELL
4.8 m Dia X 8.0 m LG (FOR DEIFY)
GRINDING EQUIPMENT

ROD MILL

SIZE: UPTO 4.4 m DIA
LENGTH: UPTO 6.3 m
FEEDING EQUIPMENT

• APRON FEEDER
• RECIPROCATING FEEDER
• VIBRATORY FEEDER
• DISC FEEDER (DIAMETER UPTO 1500 mm)
• GRIZZLY FEEDER
• BELT FEEDER
• PADDLE FEEDER
ONE OF THE LONGEST APRON CONVEYORS IN THE WORLD 74.10 m LONG, 1.2 m WIDE WAS EXPORTED FOR SOHAR ALUMINIUM, OMAN THROUGH SOLIOS, FRANCE.
FEEDING EQUIPMENT

GRIZZLY FEEDER

SIZE: UPTO 8' WIDE X 20' LONG

PADDLE FEEDER

CAPACITY RANGE:
FROM 200 TPH to 5000 TPH
MATERIAL HANDLING EQUIPMENT

- WAGON TIPPLER
- SIDE ARM CHARGER
- STACKER RECLAIMER
- BUCKET ELEVATOR
- TRIPPER
- BELT CONVEYOR & COMPONENTS
- SCREW CONVEYOR
- GRAVITY ROLLER CONVEYOR
- POWERED ROLLER CONVEYOR
- EOT CRANE (FROM 35 MT to 100 MT)
MATERIAL HANDLING EQUIPMENT

WAGON TIPPLER

CAPACITY 110 MT
TYPE ROTASIDE
NO OF TIPS 20 PER HOUR

FOR VEDANTA ALUMINA LTD
JHARSUGUDA
MATERIAL HANDLING EQUIPMENT
STACKER - RECLAIMER

ADANI PORT (MUNDRA)

BIGGEST CAPACITY STACKER - RECLAIMER MANUFACTURED IN INDIA

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>6000 X 2500 TPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRACK GAUGE</td>
<td>10000 mm</td>
</tr>
<tr>
<td>MATERIAL</td>
<td>COAL</td>
</tr>
<tr>
<td>BOOM LENGTH</td>
<td>41000 mm</td>
</tr>
</tbody>
</table>
PROCESS PLANT EQUIPMENT

- SLURRY PUMP
- FLOTATION CELL
- COLUMN FLOTATION CELL
- THICKENERS
- CETRIFUGAL GRAVITY CONCENTRATOR
- MAGNETIC SEPARATOR
- FILTERS
- ROTARY SCRUBBER
PROCESS PLANT EQUIPMENT
SLURRY PUMP

MEDIUM DUTY PUMPS TYPE MV

- AVAILABLE IN 9 SIZES – 25 mm to 200 mm DISCHARGE
- CATERING TO FLOWS UPTO 600 m3/hr

HEAVY DUTY VASA HD PUMPS

- AVAILABLE IN SIZES – 40 mm to 300 mm DISCHARGE
- CATERING TO FLOWS UPTO 3000 m3/hr
VERTICAL SUMP PUMPS - (TYPE MG)

- AVAILABLE IN 80CM, 120CM & 180cm FRAME LENGTHS
- SUITABLE FOR SUMPS UPTO 2.3 m DEEP

- AVAILABLE IN SIZES FROM 50 mm to 200 mm
- CAPABLE OF HANDLING CAPACITIES UPTO 600 m3/hr

CONE PUMP (TYPE - SPVC)
PROCESS PLANT EQUIPMENT
FLotation Cell - Mechanical

SOME MAJOR CLIENTS:
• HINDUSTAN ZINC LTD FOR ZINC & LEAD
• TATA STEEL LTD FOR COAL
• HINDALCO INDUSTRIES LTD, COPPER SLAG
• ACC LTD, LIMESTONE
• KONKOLA COPPER MINES, ZAMBIA FOR COPPER ORE
• IREL FOR SILLIMANITE

AVAILABLE SIZES
• MB 40 - 40 m³
• MB 17 - 17 m³
• MB 8 - 8 m³
• MB 3 - 3 m³
• MB 1.5 - 1.5 m³
THE SIZE OF THICKENER RANGES FROM 5 m TO 65 m DIAMETER.

INSTALLATIONS IN INDIA AS WELL AS IN RUSSIA, ROMANIA, QATAR, INDONESIA, ZAMBIA, SAUDI ARABIA AND BOSNIA.
PROCESS PLANT EQUIPMENT

ROTARY SCRUBBER

SIZES: 1.8 m DIA X 3.6 m LONG
TO 3 m DIA X 9 m LONG

CAPACITY: UP TO 600 TPH
PROCESS PLANT SOLUTION

COMPREHENSIVE SOLUTIONS TO DESIGN AND BUILD MINERAL PROCESSING PLANTS AS PER INDIVIDUAL CUSTOMER REQUIREMENTS

SOLUTIONS FOR A RANGE OF MINERALS

IRON ORE
COPPER
LEAD - ZINC
CHROMITE
GOLD

LIMESTONE
BARYTE
ROCK PHOSPHATE

SERVICES OFFERED

* ASSISTANCE WITH TESTING
* BASIC ENGINEERING BASED ON TEST REPORTS
* DETAILED ENGINEERING
* EQUIPMENT SUPPLY AS PER CLIENT REQUIREMENT
* SUPERVISION OF ERECTION
* SUPERVISION OF COMMISSIONING
CONSTRUCTION EQUIPMENT & PLANT

• WHEEL MOUNTED AGGREGATE CRUSHING & SCREENING PLANT

• SKID MOUNTED/STATIONARY AGGREGATE CRUSHING & SCREENING PLANT

• SAND WASHING PLANT
SKID MOUNTED CRUSHING PLANT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SM SR1114</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX FEED SIZE</td>
<td>600 mm</td>
</tr>
<tr>
<td>OUTPUT SIZE</td>
<td>(-)100 mm 90%</td>
</tr>
<tr>
<td>MAX CAPACITY</td>
<td>400 TPH</td>
</tr>
</tbody>
</table>
CONSTRUCTION EQUIPMENT & PLANT

WHEEL MOUNTED CRUSHING & SCREENING PLANT

PRIMARY CRUSHING UNIT
WITH FEED HOPPER, GRIZZLY FEEDER, JAW CRUSHER & ON BOARD CONVEYOR

MODEL: WM J 2436 / WM J 3042
CONSTRUCTION EQUIPMENT & PLANT

STATIONARY CRUSHING & SCREENING PLANT

CAPACITY: 125TPH, 180TPH, 250TPH
# Construction Equipment & Plant
## Sand Washing Plant

## Capacity

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAPACITY</strong></td>
<td>80 TPH, 120 TPH, 160 TPH &amp; 200 TPH</td>
</tr>
</tbody>
</table>

## Features

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FEATURES</strong></td>
<td>One touch operation by using PLC Control</td>
</tr>
<tr>
<td></td>
<td>Efficient silt cut point control &amp; enabling Construction &amp; Plastic Sand Production</td>
</tr>
</tbody>
</table>
JOB SHOP

- PRESSURE VESSEL
- HEAT EXCHANGER
- ROTARY KILN
- DRYER & COOLER
- SCRUBBER
- OPEN CAST MINING EQUIPMENT
- PORT HANDLING EQUIPMENT
- OTHER EQUIPMENT
JOB SHOP
HEAT EXCHANGER
**PORT HANDLING EQUIPMENT**

**BULK HANDLING CRANE**

- **CAPACITY**: 45 MT
- **TRACK GAUGE**: 8000 mm
- **RADIUS**: 35000 mm
- **MAX. HEIGHT OF LIFT**: 50000 mm
PORT HANDLING EQUIPMENT

SHIPTYARD CRANE - GOLIATH GANTRY CRANE

BIGGEST GOLIATH CRANE SUPPLIED TO MAZGAON DOCK LTD

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>300 MT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN</td>
<td>138000 mm</td>
</tr>
<tr>
<td>HEIGHT OF LIFT</td>
<td>65000 mm</td>
</tr>
</tbody>
</table>
OPENCAST MINING EQUIPMENT
BUCKET WHEEL EXCAVATOR

700 Ltr. BUCKET WHEEL EXCAVATOR OF 1650 TONNE WEIGHT FOR NEYVELI LIGNITE CORPORATION LTD. WITH DESIGN OF M/S POLTEGOR ENGG. CO. LTD., POLAND

CRAWLER FOR BUCKET WHEEL EXCAVATOR
SOME MAJOR CLIENTS