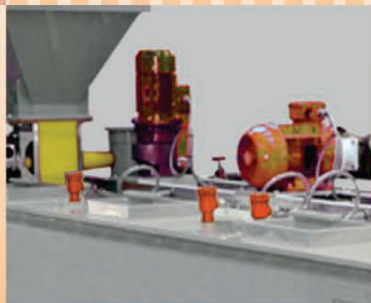
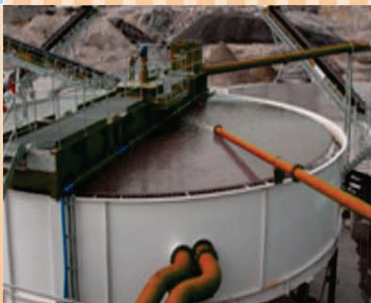




**Bhajjanka Ispat Pvt Ltd**

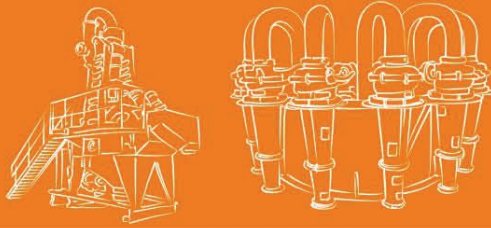
Crushing • Screening • Washing

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## Introduction

BHAJJANKA washing systems provides the all round solution for all your material and minerals washing needs.

With years of experience being in the washing industry SSRD Series has been designed and developed by knowledge and expertise to fulfill our customers need and requirement for meeting the exact material specification which will help them gain market shares and in turn also help in maintaining ecological balance.

With profile as large as BHAJJANKA which supports washing of mines, aggregates, Iron ore, Limestone, Sand, Silica sand and many more we have the right kind of equipment for supporting these profiles also.

Equipments including washing plants, Sand screw conveyor, Hoppers, feeders, Chute, Mobile and static belt conveyors, Dewatering stations, Screenbox, water management system. Thickener, Water Tanks, Flock Stations to name a few we are constantly working to make and improve the whole system with latest designs and technology to suit our customers needs.

With the background support of excellent performance, Reliability, onsite Installation and hands on experience in thisfield, BHAJJANKA is committed to provide all types of support to our customers varied application through our global dealer network as well as our dedicated team of engineers, sales, marketing and aftersales technicians.

### Why Choose us ?

- Years of on field experience in this field
- Excellebnt realibility and performance
- Commitment to deliver on time - every time

## COMPLETE SOLUTIONS FOR ALL NEEDS :

### LABORATORY TESTING

- BHAJJANKA offer full in-house facility for testing and sieve analysis.
- This allows us to decide the exact mesh requirement to suit the customers needs and match the specification.
- The behavior pattern and the correlation helps us to design the equipment based on the data available.





## TRAINING AND SUPPORT

- We at BHAJJANKA offer onsite training and support with our equipments.
- Our aftersales team will be in constant touch with the customers so as to keep a track of the performance and maintain the relation with our customers.



## CONTROL & AUTOMATION

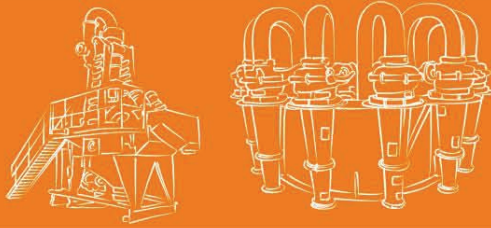
- BHAJJANKA being the company which has a engineers vision at heart understands the advantages of using a automated system and controls in the equipments.
- A complete and easy to use technology for maintaining and running the plant with the least amount of effort and data at the tip of the finger makes it easy and realiable choice for its customers all over the world.

In house facility for all the development of complete PLC (programmable Logic Control) unit with all safety standards, alarms aand emergency stop buttons are developed to provide real time data and maintain the safety of the user as well as the equipment.



## EQUIPMENT RANGE



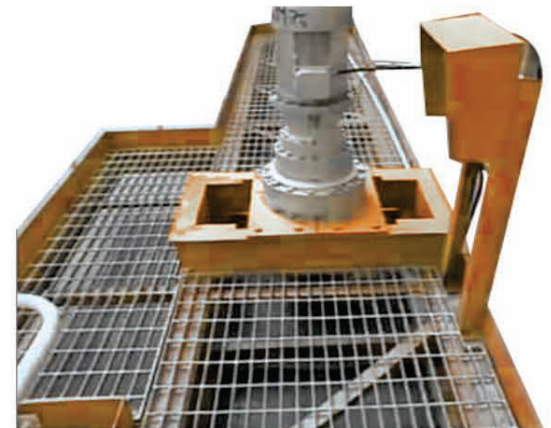


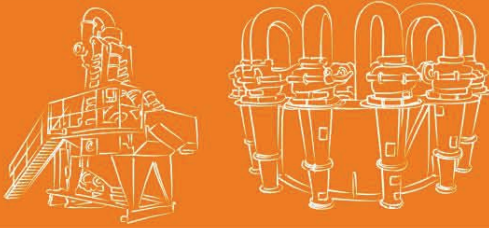
## SSRD WASHING STATION

- The MT washing station is a compact design for a complete washing solution.
- Requires less space and gives maximum result.
- The range includes a combination of Sump, Dewatering Station, Hydrocyclone, Pump, Motor connected in tandem for a unmatched quality product and quantity.

## FEATURES AND BENEFITS

- BHAJJANKA Polyurethane screen deck media and side pads for longer life and quality performance.
- Polyurethane lined hydrocyclone (Make - BHAJJANKA) of suitable diameter as per the requirement.
- Self regulating Cyclone tank.
- Rubber lined sump with PUMP protection mat (Make - BHAJJANKA) for ensuring the safety of the pump.
- Rubber lined slurry pump.
- Maximum recovery of material above 75 microns.
- Maximum removal of silt below 75 microns for a cleaner and washed sand.
- Robust Design and compact structure.
- Final moisture content as low as 10-12% in the product.
- Easy to operate and fully automatic.
- Spray Bar on top of dewatering machine for spreading the material and avoid blocking of apertures.
- Splash Protection Cover.
- Easy to slide removal of pump to clean the pipe if clogged during operation.
- All Rubber PU lined pipe for maximum life.





**RANGE**

**SSRD 303**

- Dewatering screen dimension - 2400mm\*1200mm.
- Hydrocyclone - Polyurethane lined (Make - BHAJJANKA)
- Total Height - 5 mt (Max)
- Rubber Lined Sump with Slurry Pump and motor.



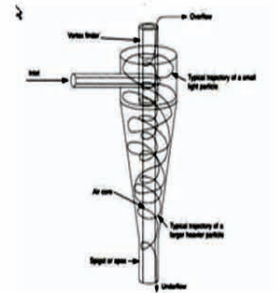
**SSRD 504**

- Dewatering screen dimension - 2400mm\*1800mm.
- Hydrocyclone - Polyurethane lined (Make - BHAJJANKA)
- Total Height - 5 mt (Max)
- Rubber Lined Sump with Slurry Pump and motor.



**MT705 (A-Series)**

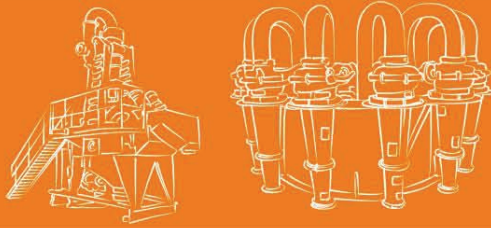
- Dewatering screen dimension - 2400mm\*1800mm.
- Hydrocyclone - Polyurethane Lined (Make - BHAJJANKA)
- Total Height - 5 mt (Max)
- Rubber Lined Sump with Slurry Pump and motor.



**MT705 (B-Series)**

- Dewatering screen dimension - 2400mm\*1800mm.
- Hydrocyclone - Polyurethane lined (Make - BHAJJANKA)
- Total Height - 5 mt (Max)
- Rubber Lined Sump with Slurry Pump and motor.





## SSRD CONVEYOR SYSTEM

- 3 Ply conveyor belt.
- Complete with conveyor rollers and gear motors for smooth operation.
- Coupled with the main plant.
- Cover Plate for dust and splash protection.
- Fitted with a suitable belt scraper (Make - BHAJJANKA) for reducing the wastage in the plant and thus reaping maximum result.
- Height Adjustment as per the requirement.
- Capable of large stockpile.
- Solid Tyres for easy movement of the conveyor.

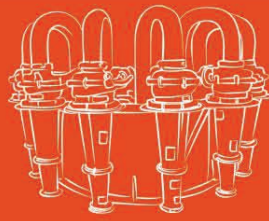


## WATER MANAGEMENT SYSTEM

### SSRD THICKENER

- High Rate Thickener
- Mild steel bolted sectional construction BHAJJANKA Thickener tank for rapid assembly on site.
- Steel support structure and necessary bracings.
- Quad Rake four-arm rake system with angled scrapers for conditioning of sludge.
- Direct drive motor and gearbox and heavy duty shaft.
- Peripheral weir for collection and discharge of recycled water to your recycled water storage point (transfer pipe included)
- Central diffuser drum for receiving pre-dosed effluent.
- De-aeration chamber fitted to side of Thickener for primary treatment.





- Conical bottom section complete with flushing valves, connections and pipe-work.
- Heavy-duty centrifugal sludge pump to discharge thickened sludge to your settlement area.
- Pneumatic and electrically operated valves for control of sludge / fresh water discharge fitted to base of Thickner.
- Compressor for pneumatics.
- Scrapper support bridge and walkway.
- Access stairs and all necessary handrails.
- Automatic flushing of sludge pipe-work after de-slugging cycle.
- Requires constant uninterrupted power supply of 400V.



## FLOCK STATION

- Fully Automatic Polyelectrolyte Dosing Station.
- Loading hopper for (powder based) polyelectrolyte complete with screw-feeder.
- Powder eductor system with cone to transfer powder to make-up tank.
- Mixing tank with lid incorporating : Stirrer unit twin propellers Level electrodes.
- Transfer pump to convey matured polyelectrolyte to storage tank.
- Storage tank incorporating level electrodes.
- Dosing pump complete with : In line dilution facility variable speed gearboxes.
- Plant will require a clean supply for polyelectrolyte make-up(---4m3/hr)



## WATER TANK

- Water pumping system
- Complete with water pump and motor for feeding the fluidising sump.
- Mounted on steel stanchions / skid chassis incorporating pump base.
- Ultra sonic probe measuring water level.





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**Bhajjanka Ispat Pvt Ltd**  
Crushing • Screening • Washing

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