



HERAMBH
-ENTERPRISES-

Spider-arm Development

Emerging Technologies in
Mining



Founder – Aniket Nitin Walupante

About us

Herambh Enterprises was **established in year 1998** by **Mr. Nitin.G.Walupante** at Nashik.

So basically we are into INDUSTRIAL AUTOMATION, SPECIAL AND HEAVY FABRICATION AND MANUFACTURING of spares for, SUGAR INDUSTRY, MINERALS AND MINING INDUSTRY, HOSPITALS AND MANY OTHERS.

Along with that, we provide customize solutions regarding metal works as per customer requirement.

We deal in various grades of steel like, Mild steel, Stainless steel, Aluminum, Alloy steel.

We have full fabrication setup along with the machine shop. We have attached pictures for reference.



Spider-arm



Types of Spider-arm



Two layer Spider-arm

Three layer Spider-arm



Spider-arm

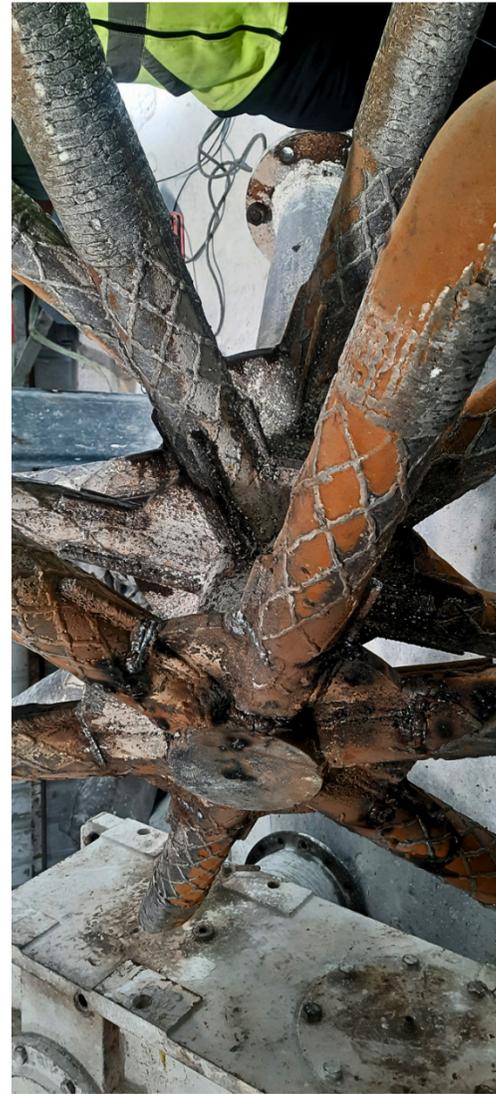


- Autogenous grinder specification like grinder diameter and all lengths
 - Octagonal shape 2mtr*2 mtr
- RPM of spider arm in autogenous and media grinder
 - 120RPM
- feeding rate of carbonates in grinder
 - 20 MT/hrs chips
- current spider arm life and production data (how much production is happening)
 - Current life is max 5 months production 40K MT

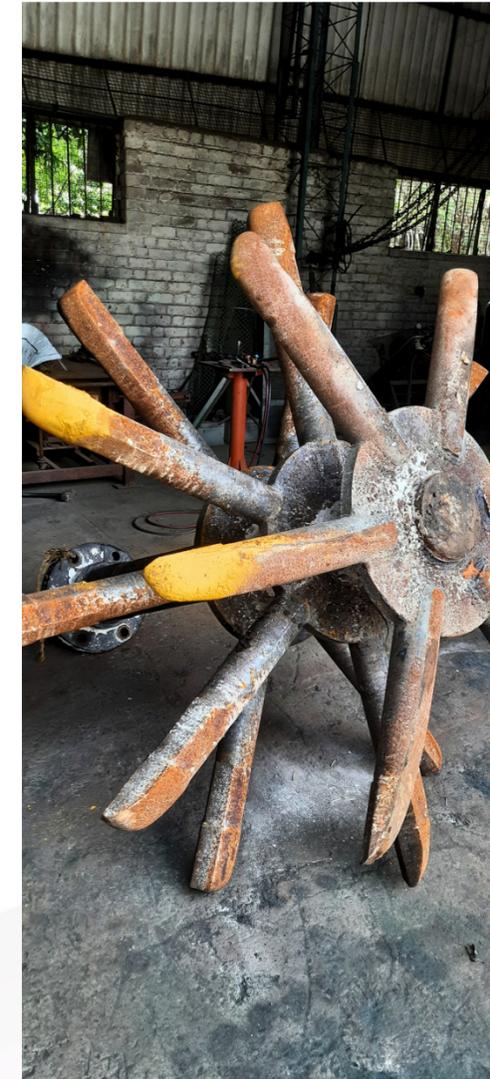
Observations



Herambh- vendor No.1



Vendor No.2



Vendor No.3

- Raw Material Variation
- Size and Design Variation
- No proper SOP's
- Arm breakage happens at slotting area or at the end where arms are welded with center shaft

Observations



Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.



- End to End Manufacturing Process
- International Standards And SOP's to Manufacture Spider-arm
- Feeding angle
- Whether Chips And fluid is poured together or one by one Simultaneously
- How much is spider-arm is dip in to the slurry
- Incoming chips gradation (which chips are used where according to final product)
- viscosity of slurry / composition / solid content
- Output (finess of final product)
- Grinder time output depending on product required
- slurry composition (solvent / catalyst added any)
- iron is mixed with slurry fluid when arm is wear out . what you do for that ?
- ovality problem on center shaft

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