



SIDDHI INDUSTRIES | SIDDHI MANUFACTURING WLL
INDIA | BAHRAIN



**Manufacturers Of Aluminum Ingots
Processors Of Aluminum Dross &
Neutralization Of Aluminum Ash / Residue**

LITTLE MORE ABOUT US...

- **2012**, first state-of-the-art technology plant at Bagru, Jaipur, Rajasthan.
- The plant deploys **sophisticated technologies**.
- Siddhi Industries is presently operating through **Three manufacturing plants** our Product quality is closely monitored and strictly controlled to uphold the standards of excellence.
- The manufacturing process and quality checks are maintained up to the **ISO 9001-2015 standards**.
- Major Metal and Industrial Waste recycling industry.
- We have taken lead role to resolve the issues in processing of **dross residue/rejects** in association with the pioneering research organization in India.



Siddhi Industries Jaipur



ODISHA

Siddhi Industries Odisha



Siddhi Manufacturing WLL, Bahrain

VISION & MISSION

We continue to strengthen our commitment towards;

- Providing **highest level of Product quality & services** to all customers with deeper understanding of Customer's product segment for mutual success in today's competitive market.
- **Empowering our global network** and having strong technical tie ups to drive excellence and innovation to create value for our clients.
- To be the **most trusted company** in the **recycling space globally**.
- "To become the **best Green industry of secondary aluminum products** with diversified product portfolio for customer delight."
- To **exceed our customer's expectations** in quality, delivery, and cost through continuous improvement and customer interaction.

UNDERSTANDING DROSS RESIDUE

- During aluminum metal production **different wastes/byproducts generated** and which need sustainable re-processing/disposal/management.
- Among all wastes, **Aluminum Dross** is an important waste from which metal can be recovered.
- Aluminum dross represents a **residue from primary and secondary aluminum production.** Drosses are classified according to their metal content into white and black dross.
- There are **several methods available** to recover metal values from the dross. In the all process the mass generated or the left over mass, after metal separation, called “Dross Residues” or Ash/rejects.

DROSS RESIDUE MANAGEMENT

- The residues contain mainly **aluminum oxides, aluminum hydroxides, spinels, aluminum metallic fines, salts** and etc.
- The dross residues are considered as **Hazardous Waste** due to fine submicron particles and salt contents including minor presence of fluoride salts.
- The residues find some applications.
- But, in most of cases it was **mismanaged as solid waste** dumping with serious environmental hazardous including air, water and soil pollutions.
- There are several methods by which the aluminum metal is recovered. The final metal recovery process is a **physical pulverizing/grinding & Milling and air classification**. The fine dust is collected in cyclone and dust collectors are called the “residue/rejects”

ACHIEVING CAPACITY



Siddhi Industries Jaipur

8000 MT (Dross and Frozen)
4000 MT Scrap per year



ODISHA

Siddhi Industries Odisha

8000 MT (Dross and Frozen)
3000 MT Scrap per year



Siddhi Manufacturing WLL, Bahrain

12000 MT (Dross and Frozen)
per year

WHY WORK WITH US

Bringing the best business acumen and state of art technology while being environment conscious



Experienced
Work Force



License and
Permits



Controlling
Hazardous Waste



Neutralizing
Waste Generated



40000 Tons
Purchase

Our purchase capacity is 40000 tons + per year in all the 3 plants
(it includes Aluminum Frozen Metals or Pads, Aluminum Dross, Aluminum scrap)

FURTHER BACKING...

- The plant deployed **sophisticated technologies** such as twin-shaft shredder, eddy current separator, high-capacity melting furnaces with metal circulation pump, de-coater, etc.
- Siddhi Industries is India's one of the **largest producer of Aluminium Products** (Ingot, Shots, Notchbar etc.) with Dross processing with residue of hazardous waste.
- **Central Pollution Control Board Of India's** license to import , purchase, process , manufacture and utilize all types of Aluminum Frozen Metals or Pads, Aluminum Dross , Aluminum Scrap & utilization of aluminum ash / Residue and convert it into a not hazardous sale able products.
- Sound Financial Backing
- Capacity to purchase and process bulk across 3 varied plants

OUR MAJOR SUPPLIERS



Others Include: Egypt Aluminium, Manhattan Metal Co WLL, Dubai Aluminium, Madeem Aluminium etc.



THANK YOU