



## Sustainability

 **SOLID WASTE  
MANAGEMENT**

Air

Water Management

Solid Waste Management

Biodiversity and Afforestation

Environmental Laboratory

Clearance and Compliance

Stock of Ash

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**I. Industrial Solid Waste**

The company pursues the policy of three R's -- Recycle, Reduce and Reuse – for managing its waste. Many projects have been implemented for solid waste utilisation.

**Some of the plans undertaken for effective solid waste management are:**

- Power generation from coal rejects fines and middling in AFBC boilers.
- Slag generated from blast furnace is 100% reused in cement manufacturing and brick making.
- Tailor made sinter plant to utilise 100% mill scale and flue dust generated in mills and blast furnace.
- SMS slag after granulation is used for road making.
- Fly ash generated is used for brick manufacturing and cement manufacturing.

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## II. Ash utilisation

A captive brick plant has been established to produce around 4.0 lakh brick products/day for manufacturing of fly ash bricks. All construction activities of the company are done through these fly ash bricks. Measures have already been taken to achieve a level of 100% utilisation of fly ash. The ash is partly used for brick making, ash dyke rising, road and embankment construction, cement manufacturing.

### Stock of ash available

## III. Bio-degradable Waste

- A 3 tonnes/day capacity bio-methanation plant has been installed in association with Bhabha Atomic Research Centre (BARC), Mumbai for bio-gas production.
- Bio-degradable waste from residential areas is collected, segregated before feeding in the digester. It is a one-of-its-kind plant in the entire Chhattisgarh.
- The vermi-compost plant allows conversion of organic waste to manure by using earthworms. The resultant manure is used for the purpose of gardening.
- Paper recycling unit has also been installed by at Angul plant.

BUSINESS

PRODUCTS

SUSTAINABLE CITIZENSHIP

INVESTORS

CAREERS

