

Greenery and Gardens at Iron Ore Mines and Collieries

Jharia Division

- Jharia Division has the oldest Washery in Asia (commissioned in 1952) with a capacity of 0.8 million tonnes raw coal throughput per annum. For the improvement of ambient air quality dry fog systems are installed in Jamadoba Washery and Bhelatand Washery.
- For the purpose of dust suppression water sprinklers are installed in the Washery.
- Sir Dorabji Tata Park has been developed at Jharia Division. The park is spread over an area of 25.47 acres.
- Fly ash experimental plots (50,000 sqmt) are developed in collaboration with CFRI to generate awareness on the fly ash utilisation in agriculture, horticulture, afforestation.
- Installation of rainwater harvesting system in all collieries, washery, Powerhouse and office building.
- Jharia Division, so far has planted 11 lakh saplings.
- For the disposal of Bio-medical waste, one incinerator is installed at Tata Central Hospital Jamadoba.

West Bokaro Division

- West Bokaro has taken all measures to mitigate the impact on environment by installing latest equipment for air and water quality management and waste management.
- West Bokaro has switched over to Pipe Conveyor instead of open conveyor to transport coal.
- Development of park and gardens/patches for medicinal plants/ green belt around industrial unit.
- Every unit is provided with effluent recycling system.
- All operating units are equipped with A/C control rooms and operator cabins to minimise noise exposure.
- In the last five years, West Bokaro has planted 3.7 lakh saplings with a survival rate of 70%.
- West Bokaro has seen 100% disposal of used oil, used battery and non-ferrous scrap, which are classified, as hazardous waste.
- This is the first coal mine to be certified to ISO 14001 (Environment Management System).
- Awarded with Indira Priyadarshini Vrikshamitra National award on Environment.

OMQ Division, Noamundi

- Winner of several national and state level awards, including Indira Priyadarsini Vrikshamitra Award –2000, of Ministry of Environment and Forests, Government of India for lifetime achievement.
- OMQ became the first Raw Material Division of Tata Steel to get ISO 9001: 2008 Certification.
- Introduction of Slime Pond Management by using chemical dosing at Noamundi and Joda.
- Use of solar street lights at Noamundi
- Implementing a path-breaking reclamation processes in Noamundi Iron Mine by planting more than 19 lakh saplings till date.
- 45 acres of mined-out area has been converted to bio-diversified zone, which includes Sir Dorabji Tata Botanical Park, in which a Butterfly Park was added in 2009.
- Construction of Zero Discharge Slime Pond in mined-out area ensuring minimisation of fresh area for slime storage.
- For aesthetic beautification, Fountain Park has been developed at Noamundi.
- Plantation of fruit bearing trees for stabilisation of out dump yard.
- Use of Dustban chemical for water spraying as an effective dust control measure in the mines.