



# Sustainable Development Frame Work Report: 2020-21



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**DEOJHAR IRON ORE MINES  
M/S TARINI MINERALS PVT. LTD.**

Vill: Deojhar, Dist: Keonjhar, Odisha





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### Introduction:

Deojhar Iron Ore Mines of M/s Tarini Minerals Pvt. Ltd. over an area of 36.365 hectares is located in the Deojhar Village under Barbil Tahasil of Keonjhar ,Odisha.

Communication:

- Road Link:** The Bileipada-Noamundi road is adjoining to the lease area is well connected to NH-215 at Bileipada is about 8km from the lease area.
- Rail Link :** Deojhar railway station is 3 Km away from the lease area..
- Air Link :** Bhubaneswar airport (300 km away) is the nearest airport from the area. There is an airstrip/ helipad near Bhadrasai, Barbil.

The lease area representing an undulating, rugged mountainous topography having highest altitude of 675 m at North Western part and lowest altitude of 525 m in the south eastern part of the ML area. The difference in the elevation is 150 m . The general gradient of the hill in south eastern part is 1 in 30 where as in northern part is 1 in 10 due east.

Mining operation is general, as drilling blasting, excavation, hauling, mineral processing through Screen, crusher and washing plant, mineral stacking and mineral logistic. Mineral logistic is being carried out through wagon from public railway sidings. The mines to railway siding logistic is managed with local tippers.

The project is very strictly following all statutory compliances of MoEF& CC, IBM, DGMS, CGWA/CGWB, SCPB/CPCB.

### Sustainable Development Framework:

In a bid to ensure minimal impact of iron ore mining on the environment and human settlement, the Union Ministry for Mines has implemented a "Star Rating" system for mining leases to promote sustainable development practices, which includes addressing the social impact of resettlement and rehabilitation and key information's of the mining activity like mines basic information's, environmental safe guard measures, CSR activities as a whole.

A Star Rating program is implemented to mining leases for the efforts and initiatives taken for implementation of the Sustainable Development Framework (SDF).





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SDF provides guidance to mining companies to improve the performance not only with regard to environmental and social aspects, but also provides a common benchmark against the operations which can be evaluated in terms of comparative performance on sustainable development norms.

In line to the said guidelines of the Govt., the company has constituted a Sustainable Development Unit (SDU) under SDF. The team comprises of different key personals of the organization involving Technical, Financial, CSR, HRD, Environment depts. The SDU is headed by Sri. Umesh Chandra Mohanta, Mines Manger, who is functional head of the organization having capacity of more than 15+ years of experience in the open cast mining field, Mr. Lingaraj Mahanta, Asst. Manager-Mines having expertise in the field of Mining with more than 6+ Years of experience, Mr. P. K Nayak, Officer HR & CSR, having more than 10+ years' experience in HR & CSR and accounting. Mr. Satya Kaibalya Das, Engineer – Environment, expertise in the field of EIA-EM preparation, compliance management etc. with more than 5+ Years of experience.

The Company has made expenses of Rs. 18.13 lakhs for the financial year 2020-21. The project has implemented the funds under different CSR, Environment heads during the reporting period. Company adheres to the environment policies as subscribed there under with 100 % statutory clearance and compliances.





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### Environment Management Program:

The key features under environment management program are as follows;

- Mines runoff management
  - o Check weirs
  - o Settling cum harvesting ponds
- Water Harvesting Measures
  - o Roof top rain water harvesting
  - o Village pond augmentation
- Air Pollution Control System
  - o Mobile water tanker for haul road dust suppression
  - o Dry fog system for Crusher & Screen Plants
  - o Green belt development
- Solid Waste Management
  - o Waste Dump management with application of coir matting, grass seed application, plantation etc.
  - o Dump slope stabilization with proper terracing, dozing, pressing, provision of retaining wall, garland drain and settling pond etc.
- Hazardous Waste Management
  - o Identification, Segregation, storage
  - o Disposal to authorized recycler/re-processor
- Environmental Mentoring
  - o AAQ
  - o Water (Surface, ground water)
  - o Noise
  - o Soil
  - o Illumination
  - o Ground vibration
  - o Plantation





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### **Corporate Social Responsibility:**

The key landscapes under **Corporate Social Responsibility** are as follows;

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The key landscapes under **Corporate Social Responsibility** are as follows;

- Drinking water facility
  - o Overhead water tank with pipeline distribution facility
  - o Safe reach of Drinking water to remote villagers through water tankers
  - o Provision of bore wells
- Infrastructure
- Electrification of the tribal villages with street light
- Health and Hygiene
  - o 24 x 7 Medical facility with Doctor & free access of Ambulance
  - o Free distribution of medicines to locals
- Education
  - o Support of financial aid to school teachers.
  - o School transport facility





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## Gallery: Photos of Environment



Water sprinkling with mobile water tanker



Dry fogging arrangement at mineral handling plant





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Plantation at Safety Zone and dump





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Photo showing Settling pit, Check weirs, retaining wall & earland drain

Deojhar Iron Ore Mines of M/s Tarini Minerals Pvt. Ltd.







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STP at vehicle service station



STP at staff campus





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## Contact info of Key SDF Members

1) Mr. Umesh Chandra Mohanta,	Mines Manager	8895411438
2) Mr. Lingaraj Mahanta,	Asst. Manager Mines	8895543652
3) Mr. Shankar Ghosh,	Mining Engineer	8210690347
4) Mr. Prashanta Kumar Nayak,	Officer H.R & CSR	9439116304
5) Mr. Satya Kaibalya Das	Envt. Engineer	8280081637

