



GOA STATE POLLUTION CONTROL BOARD

FORM V

(See Rule 14)

Environmental Statement for the financial year ending on 31st March on or before 30th of September every year.

PART A

- (i) Name and address of the owner/ occupier of the industry operation or process : Capt Anurag Bhagauliwal
- (ii) Industry category Primary-(STC Code) : RED, Ports and harbour, jetties and dredging operations
Secondary-(STC Code)
- (iii) Production capacity : Million Tonnes

| Production Name | Production Capacity | Production Unit |
|--|---------------------|---------------------|
| Handling of coal/Coke (Import & Export) | 5.5 | Million Tonnes/Year |
| Limestone (Import & export) | 3 | Million Tonnes/Year |
| Handling of Iron ore/ Slag/(import & Export) | 0.5 | Million Tonnes/Year |
| Steel Product/Granite (Import and Export) | 2 | Million Tonnes/Year |

- (iv) Year of establishment : 2004
- (v) Date of the last environment statement submitted : 05/07/2024

PART B

1. Water consumption m³/ d

Process : 139

Cooling : NIL

Domestic : 18.8

| Name of products | Process water consumption per unit of product output | |
|--|--|-----------------------------------|
| | During the previous financial year | During the current financial year |
| Handling of coal/coke, Limestone, Iron ore & Steel | 155 m ³ /day | 139 m ³ /day |

2. Raw material consumption

| Name of raw materials | Name of products | Consumption of raw material per unit | |
|-----------------------|------------------|--------------------------------------|-----------------------------------|
| | | During the previous financial year | During the current financial year |
| NIL | NIL | NIL | NIL |

*Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.

PART C

Pollution discharged to environment/ unit of output.

| Pollution | Quantity of pollutants discharged(mass/day) | Concentration of pollutants in discharges(mass/volume) | Percentage of variation from prescribed standards with reasons |
|--------------|---|--|--|
| Water | | | |
| Air | | | |
| Air | PM 10 | 46.84 ug/m3 | Within limit |
| Air | PM 2.5 | 20.10 ug/m3 | Within limit |
| Air | SOx | 5.83 ug/Nm3 | Within limit |
| Air | NOx | 7.59 ug/Nm3 | Within limit |

Name of Pollutants : .

PART D Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

| Hazardous Wastes | Total Quantity (Kg) | |
|---------------------------------------|------------------------------------|-----------------------------------|
| | During the previous financial year | During the current financial year |
| (a) From process | 8940 | 8900 |
| (b) From pollution control facilities | NIL | NIL |

PART E Solid Wastes

| | Total Quantity | |
|---|------------------------------------|-----------------------------------|
| | During the previous financial year | During the current financial year |
| (a) From process | 630.15 | 1013.79 |
| (b) From pollution control facility | NIL | NIL |
| (c)(1) Quantity recycled or re-utilised within the unit | NIL | NIL |
| (2) Sold | 630.15 | 1013.79 |
| (3) Disposed | NIL | NIL |

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

- 1) Used / Waste oil is sold to CPCB authorized recycler parties.
- 2) Steel Scrap is sold to outside parties..

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

1. The terminal has one of the best berth-utilization and material turnaround rate in the country, thus using finite national resources in an optimal and resource efficient manner.
2. As far as practicable, direct loading of rakes from the vessels through conveyors without involvement of stockpile storage is practiced, thereby reducing handling fugitive emissions.
3. The Terminal utilizes treated sewage water from MPA's STP, thus gainfully utilizing a recycled natural resource for appropriate usage.
4. Comprehensive air pollution abatement system is installed in the Terminal, viz.
 - a) Motion sensor based water mist spray arrangement in the GSU hoppers.
 - b) Covered galleries for troughed conveyors and a pipe conveyor (one of its kind in Goa).
 - c) In-motion wagon loading system with on-line tarpaulin covering of the loaded wagons.
 - d) Covered shed for handling cargo inside dome.
 - e) Water sprinkling at the time of stacking as well as reclaiming.
 - f) Road sweeping is carried out through mechanized vacuum sweeping machine . .

PART H

Additional measures/ investment proposal for environmental protection abatement of pollution, prevention of pollution

- 1) With a view to improve the landscape in and around the Port Terminal, and restrict any emission escaping from the port area, the company has ensured various types of environment friendly trees.
- 2) For ecological balance and beautification, we have developed and are maintaining green belt median from Varunapuri to Dabolim Air Port, St. Andrew Church Circle Garden, Garden near Pai Hospital, Garden opposite Vasco railway Station, greenery in the road divider of F L Gomes Road.
- 3) Additional green cover is proposed by creating vertical gardens where feasible across periphery.
- 4) Collaborating with MPA and the Forest Department to grow additional trees around the entire Mormugao
- 5) Mechanized road sweeper utilized on the port .

PART I

Any other particulars for improving the quality of the environment 1) All the SWPL roads are of RCC and the other areas where movements takes place are either of RCC or paved.

- 2) Vertical garden has been constructed with a stretch of 60 meters at main gate & being monitored for its adequate maintenance .

Remarks : Successfully constructed covered shed for handling of cargo .