

Ref. No. EBTL/ENV/GPCB/Form-V/2021-22

20th September 2022

To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10-A,
Gandhinagar – 382 010,
Gujarat

Essar Bulk Terminal Limited
27 KM Surat-Hazira Road
Hazira-394 270
Dist. Surat
India

Corporate Identity Number:
U13100GJ2004PLC043477

www.essar.com

Subject: Submission of Environmental Statement (Form-V) for FY 2021-22

Reference:

1. GPCB's Login ID: 22972.
2. Company Name: M/s. ESSAR Bulk Terminal Limited,
3. CCA No. 40300 dated 19.01.2011 renewed on 20.10.2015 with new CCA No. AWH-73836 and amended on 28.03.2016,
4. Amendment to CCA with Consent No. AWH-109664 issued dated 9th October 2020,
5. Environment Clearance received vide F.No. 11-46/2011-IA.III dated 06.05.2014

Dear Sir,

With reference to the above mentioned subject and reference, we are hereby submitting the Environmental Statement (Form-V) for the FY 2021-22. This is for your kind records. Kindly acknowledge the same.

Thanking You
Yours' Faithfully

For, **Essar Bulk Terminal Limited,**

Capt. Deepak Sachdeva
Chief Executive Officer

Encl:



1. Copy of Environment Statement - Form-V

CC:

The Unit Head - Surat,
Gujarat Pollution Control Board,
Sector 10-A,
Paryavaran Bhavan,
Gandhinagar – 381 010
Gujarat
uh-gpcb-sura@gujarat.gov.in

The Regional Officer,
Gujarat Pollution Control Board,
Plot No. 11-12/2,3
GIDC Pandesara, Surat – 394 221
Gujarat.
E-Mail: ro-gpcb-sura@gujarat.gov.in.

The Inspector General, Forests
Scientist – "C"
Integrated Regional Office, Aranya Bhawan,
Nr. CH-3 Circle, Sector-10-A, Gandhinagar, '
Gujarat – 382 010
E-Mail: ecompliance_guj@gov.in, iro.gandhingr-mefcc@gov.in

FORM - V
(See Environment Protection Rule 14 of 1986)

From:
Essar Bulk Terminal Limited,
27th km, Surat-Hazira Road,
Hazira – 394 270,
Dist. Surat,
Gujarat

To,
Gujarat Pollution Control Board
Sector 10-A,
Gandhinagar – 382 043

ENVIRONMENTAL STATEMENT for the financial year ending the 31st March 2022.

PART A

- i) Name and address of the owner/occupier of the industry operation or process. **M/s. Essar Bulk Terminal Limited
27th km, Surat-Hazira Road,
Hazira – 394 270,
Dist. Surat, Gujarat.**
- ii) Industry Category:
Primary [STC Code} **Red-Large**
Secondary [SIC Code] **Not Applicable**
- iii) Production Capacity **Not Applicable**

| S.No. | Particular | Cargo Handling Capacity |
|-------|--|-------------------------|
| 1 | TEU Containers* | 1 Million/Annum |
| 2 | Import Bulk Cargo | 32 MTPA |
| 3 | Export Bulk Cargo | 9 MTPA |
| 4 | Liquid Cargo including Bunker / Petroleum / Chemical Products ^o | 2 MTPA |

*Currently not handling

^oCurrently not handling

- iv) Year of Establishment **August 2010**
- v) Date of last Environmental Statement Submitted **21.09.2021 (sent via E-Mail)**

PART B

Water and Raw Material Consumption

(1) Water Consumption m³/d

Process

Dust Suppression (Handling of raw material and loading / unloading operations),

There is no process water consumption as we are an infrastructure facility.

Avg. 302.00 m³/d (considering average 30 days a month)



Horticulture,
Domestic

Avg. 15.00 m³/d

| Name of the product | Process water consumption per unit of product output. | |
|---|---|--|
| | During the previous financial year | During the current financial year |
| | 1 | 2 |
| Handling and Storage of Bulk and Break Bulk Cargo | Total water consumption during FY 2019-20 was 1,32,898 m ³ used for industrial purpose i.e. for dust suppression, washing and cleaning of storage areas and roads, fire-fighting and horticulture. | Total water consumption during FY 2020-21 was 1,08,868 m ³ used for industrial purpose i.e. for dust suppression, washing and cleaning of storage areas and roads, and horticulture. For domestic use (drinking water only) 5,415 m ³ of water was being used. |

We are not a manufacturing unit; water is being used for sprinkling, fire-fighting, gardening, washing and for domestic purposes only.

ii) **Raw material consumption**

| Name of the Raw material | Name of the product | Consumption of raw material per unit of output | |
|--|--|--|-----------------------------------|
| | | During the previous financial year | During the current financial year |
| Import of Raw Materials like, coal, coke, limestone, clinker etc. | Export of finished goods mainly steel products. | Not Applicable | Not Applicable |

We are not a manufacturing unit.

PART C

Pollution Discharged to Environment/Unit of Output.

(Parameter as specified in the consent issued)

| Pollutants | Quantity of pollutant discharged [mass/day] | Concentrations of pollutants in discharges [mass/volume] | Percentage of variation from prescribed standards with reasons. |
|---|---|---|---|
| (a) Water | Nil* | | |
| (b) Air | | <ol style="list-style-type: none"> Stack emissions are nil, as no manufacturing process is involved, Fugitive emissions during loading and unloading operations are responsible for particulate emissions i.e. PM₁₀ and PM_{2.5} Vehicular & machinery movements are responsible for SO₂ and NO_x emissions, | |
| Particulate Matter (µg/m ³) | | Monthly monitoring of ambient air quality is being carried out by one of the MoEF&CC accredited laboratory. Results of which are being submitted to the Regional Office of | Not applicable |
| SO ₂ (µg/m ³) | | | Not applicable |
| NO _x (µg/m ³) | | | Not applicable |



GPCB on regular basis.

*We are not a manufacturing unit. We are a service industry (port) engaged in handling and storage of bulk and break bulk cargo. There is no trade effluent from the unit, moreover the sources of waste water are floor washing activities, water being used for sprinkling purpose on roads and storage areas and water use for dust suppression activities at loading and unloading points. Sewage generated in the port is being treated by Sewage Treatment Plant (STP) provided in the premises. The wastewater is being used for horticulture purpose within the port premises.

**PART D
Hazardous Waste**

[as specified under Hazardous waste (Management & Handling Rules,1989)]

| Hazardous Waste | Total Quantity (kg) | |
|---------------------------------------|------------------------------------|--|
| | During the previous financial year | During the current financial year |
| (a) | | Category 5.1: 18.8 KL of Used / Spent/Oil, |
| From Process | NA | Category 33.3: 233 Nos. of Empty Barrel, Category 3.1: 59.8 KL of Cargo Residue, washing water |
| (b) From Pollution Control facilities | Nil | Nil |

Authorization Order No. AWH-109664 issued by GPCB dated 09.10.2020

**PART E
Solid Waste**

| Solid Waste | Total Quantity (MT) | |
|---|------------------------------------|-----------------------------------|
| | During the previous financial year | During the current financial year |
| (a) From Process | Nil | Nil |
| (b) From Pollution Control facilities | Nil | Nil |
| (c) 1) Quantity recycled or re-utilized within the unit | Nil | Nil |
| 2) Sold | Nil | Nil |
| 3) Disposed | 384.00 m ³ | 380.00 m ³ |

There is a general practice of scrap collection at central work shop and then selling it to scrap vendor.

PART F

Please specify the characterizations [in terms of composition and quantum] of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

- Total of 18.8 KL of Used Oil (Hazardous Waste Category 5.1), has been sent to the GPCB approved re-refiner / recycler as



prescribed in the CCA.

- Approx. 59.8 KL of Cargo residue, washing water and oil containing sludge (Hazardous Waste Category 3.1) has been sent to the GPCB approved re-refiner / recycler as prescribed in the CCA.
 - Total 233 Nos of empty drums (Hazardous Waste Category 33.1) were collected from the premises and were sent to M/s. Jawrawala Petroleum for final decontamination and disposal.
 - Total 380.00 m³ of general waste (general garbage, kitchen waste etc.) has been disposed in year 2020-21.
- Solid Waste**

PART G

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

- Use of high elevation fogging system for the control of fugitive dust generation due to loading / unloading and vehicular movement. These high elevated fogging systems have benefits of using less quantity of water and large coverage area,
- Provision of shore-based power supply to the idle tugs instead of providing power by DG sets to reduce CO₂ emissions,
- Provision of hume pipes for the free flow of tidal water to the mangrove area.
- Hopper and transfer points of conveyor belt are fitted with misting system reducing the use of water for effective dust suppression,
- Development of around 500 ha of mangrove area near village Asarsa village, Taluka Jambusar of District Bharuch, Gujarat.
- Additional 100 ha of mangrove plantation in process near village Suva and Nada, District Baruch.

PART H

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

- Development of additional 6 rows of greenbelt along the coal yard boundary within the premises to reduce the fugitive dust emissions,
- High elevated fogging arrangements to reduce the fugitive dust emissions,
- Wherever possible, the cargo from berth to stock area is transferred by means of covered conveyor belts,
- Dedicated housekeeping team along with sweeping equipment has been deployed in port premises,
- Installation of wind breaking wall along the boundary of storage yard is in process.

PART I

Miscellaneous

Any other particulars in respect of Environmental protection and abatement of pollution.

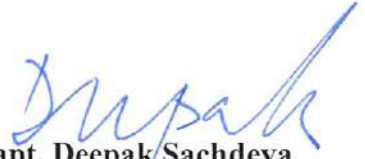


- Installation of ambient air quality monitoring stations within the premises to keep a check over the air quality within port,
- Regular monitoring of environmental as well as marine parameters has been carried out and submission of results to concerned authorities,
- Provision of drainage system along with collection ponds in the storage area,
- Celebrations of important days like environment day, safety day, coastal cleaning day etc to raise awareness.

Authorized Signatory

For, **Essar Bulk Terminal Limited**




Capt. Deepak Sachdeva
Chief Executive Officer,

27th KM Surat-Hazira Road,
Hazira – 394 270,
Dist. Surat, Gujarat