



DAHEJ HARBOUR AND INFRASTRUCTURE LIMITED

The Member Secretary

Gujarat Pollution Control Board
Paryavaran Bhavan Sector -10A
Gandhinagar - 382 010
Letter No: HIL/BC/ENV/III/15040/2024-25/48

Date: 16th September' 2024

Subject: Submission of Environmental Statement for the financial year ending on 31-3-2024

Dear Sir,

We are submitting herewith the environmental statement for Dahej Harbour & Infrastructure Ltd. (wholly owned subsidiary of Hindalco Industries Ltd.) for the financial year ending on 31st March 2024.

This is in accordance with the provisions of rule 14 of the Environment Protection (Amendment) Rules 1993 of the Environment Protection Act 1986 published vide notification dated 22-04-93 in the Gazette of India – Extra ordinary part-II, section-3 sub section (I), no. 1155 dated 27-04-93 by Ministry of Environment and Forests.

Thanking you,

Yours faithfully,

For Dahej Harbour & Infrastructure Ltd.
(Wholly owned subsidiary of Hindalco Industries Ltd.)
Unit-Birla Copper. Dahej- BHARUCH 392130

Ms. Sanghamitra Mishra
HOD (Environment)

Encl: As above

CC - The Regional Officer
G.P.C.B., Bharuch

Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010



**Dahej Harbour &
Infrastructure Ltd., Dahej.**

**ENVIRONMENT
STATEMENT
FOR**

Year 2023-24

**AT & PO: Dahej, Lakhigam
Ta: Vagra, Dist.: BHARUCH - 392 130
GUJARAT, INDIA**

FORM – V

(See Rule 14) *

Environmental statement for the Financial Year ending on 31st March 2024.

PART – A

(i)	Name and address of the owner / occupier of the industry operation of process Address of the owner:	: Mr. Krishnaraju Kumaravel President & UH M/s Hindalco Industries Ltd. At & P O Dahej, Lakhigam PIN-392130 Taluka Vagra Dist.: Bharuch
(ii)	Industry category – Primary – (STC Code) Secondary – (SIC Code)	: Wholly owned subsidiary of Hindalco Industries Ltd. which is registered company
(iii)	Production capacity units	: DHIL-Captive Jetty (Only cargo discharge from ship –max cap 50,00,000 TPA)
(iv)	Year of establishment	: January-1999
(v)	Date of last Environment Statement	: 18 th April 2023

PART – B

Water and Raw Material Consumption:

(i)	Water consumption m ³ / day	m3/day
	Process	: Nil
	Cooling	: Nil
	Domestic	: 8.46

Name of products	Process water consumption per unit of product output	
	During the previous Financial Year (2022-23)	During current financial Year (2023-24)
Nil	No process water consumption as production activity is not involved at DHIL----- captive jetty	

Sr No.	Name of Material Handled	During Year 2023-24 (MT)
1	Copper concentrate	1113345.104
2	Mureate of Potash	NIL
3	Ammonia	NIL
4	Phosphoric Acid	NIL
5	Copper Cathode/ Anode	NIL
6	Rock Phosphate	NIL
7	Coal	278573
8	Sulphuric Acid	311210
9	Copper Slag	NIL
10	Gypsum	NIL
11	Project cargo (Machinery & Equipment's)	NIL
12	DAP (Di Ammonium Phosphate) / NPK	NIL

(ii)	Raw material consumption:		
	Name of Raw material	Product	Consumption of Raw material In units of output (MT)
			During the previous Financial Year 22-23
	Nil	Nil	No raw material consumption, involved at DHIL-captive jetty

PART – C

Pollution discharged to environmental / unit of output.
(Parameters as specified in consent issued)

(a). Water

Sr. No	Pollutant	Qty. of pollutant discharge (mass/Day) Kg/Day	Concentration of pollutant discharge (mass/Vol.) mg/l	Percentage of variation from prescribed Std. With reason
1	(No water pollutant discharged at ---DHIL Jetty)	NA	NA	NA

(b) Air

DAHEJ HARBOUR AND INFRASTRUCTURE						
Sr No.	Month	Jetty Conveyer Bag Filter Stack Particulate matter mg/Nm3	Ambient Air Monitoring			
			April-23 to Mar-24			
			PM10	PM 2.5	SOX	NOX
1	Apr-23	46.86	60.45	42.5	33.7	26.4
2	May-23	48.96	66.58	38.72	31.26	24.88
3	Jun-23	44.74	62.24	39.88	30.29	25.66
4	Jul-23	49.68	64.28	37.66	31.24	26.16
5	Aug-23	46.44	62.86	36.28	30.12	25.96
6	Sep-23	48.74	66.38	34.27	28.90	26.24
7	Oct-23	44.18	60.23	32.46	30.89	24.84
8	Nov-23	47.67	58.96	30.17	29.80	23.97
9	Dec-23	44.90	56.84	28.66	26.42	22.20
10	Jan-24	48.27	58.12	26.34	24.38	21.88
11	Feb-24	46.28	56.88	27.18	23.19	22.87
12	Mar-24	42.58	54.84	25.9	22.67	21.56
	Average	46.61	60.72	33.34	28.57	24.38

PART – D

Hazardous Waste:

Sr No	Hazardous Wastes	Total quantity in MT	
		During current financial Year (2022-23)	During current financial Year (2023-24)
(a)	From Process/		
	Used Oil	0.92	0.98
(b)	From Pollution Control Facilities	Nil	Nil

PART – E

Solid Waste:

Sr No	Solid Waste	Total quantity in MT	
		During current financial Year (2022-23)	During current financial Year (2023-24)
(a)	From Process	Not Applicable	Not Applicable
(b)	From Pollution Control Facilities	Nil	Nil
(c)	Quantity Recycled or reused within the unit	Nil	Nil
	Sold	Nil	Nil
	Disposed	Nil	Nil

PART – F

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

Sr No	Description of Hazardous Waste	Quantity of waste generated during the year	Method of Disposal
(a)	Used Oil	0.98 MT	Used oil generated from equipment of jetty operation is sold to registered recycler /reprocessor through Birla Copper

PART – G

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

ABOUT DHIL OPERATION

The Jetty of Dahej Harbour & Infrastructure Ltd.(DHIL) is used for the receipt and dispatch of bulk solid cargo such as copper concentrate, rock phosphate, coal, etc. as well such as liquid cargo such as Ammonia, Phosphoric acid, Sulphuric acid, etc.

Berthing of ship takes place depending on the tide conditions. Fenders are provided on the berthing face of jetty to absorb the momentum of the ship and to protect the jetty structure. Ship gives the mooring rope, which is tied up with the jetty and for the precautionary measure, shore mooring lines are also passed, which are mounted on the auto tension winches. Afterwards the covers of the hatches of the ship are opened and with the help of grab unloaded /pumps the cargo from the ship is unloaded /loaded either through conveyor or pipes.

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONVERSATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

For solid cargo a bag filter for dust extraction purposes is provided. Hence no air pollution is generated. The recovered cargo from bag filter is conveyed to the raw material storage area at Birla Copper plant.

As such, the solid cargo handled at the Jetty contains some part of moisture in it which does not allow its flying during unloading operation. Secondly the belt conveyer provided at our Jetty is based on modern technology and gets converted into a pipe when the material is transferred. This does not allow any spillage of the cargo during conveying.

Jetty platform is not required to be washed with water as solid cargo is easily swept for its collections hence no industrial effluent from jetty operation is generated.

PART – H

Additional measures / Investment proposal for environmental protection including abatement of pollution.

ADDITIONAL MEASURES FOR ENVIRONMENTAL PROTECTION INCLUDING ABATMENT OF POLLUTION, PREVENTION OF POLLUTION.

Two tanks of 12KL capacity each and two bins of 10KL each capacity are installed at the Jetty platform to receive any oil and garbage arising due to any emergency situation in the ship, respectively, as per the guidelines of authority.

As a part of the environmental protection measure and the international regulations, no ships are allowed to refuel, at the time of berthing and the ships are also not allowed to discharge any sewage, oil, garbage etc. during their stay at berthing location. Hence no pollutants are likely to be discharged from the ship.

PART- I

Miscellaneous

Any other particular in respect of environmental protection and
Abatement of pollution.

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENIRONMENT

DHIL has been accredited with ISO-14001:2015 (Environment Management System) & ISO - 9001:2015 (Quality Management System), (OHSAS) ISO 45001-2018 certifications for Inter Tek System Certification. Accordingly, all Environmental Management System are being implemented as per the requirement of ISO-14001 :2015 systems. The scope of certification covers all port operations at DHIL. The accreditations are testimony of endured efforts being put in by all the employees in achieving & maintaining the highest standards of the quality & environment in all facets of their work.

Date: 16th September-2024

Yours's Faithfully
For Dahej Harbour & Infrastructure Ltd.
(Wholly owned subsidiary of Hindalco Industries Ltd.)
Unit-Birla Copper. Dahej- BHARUCH 392130


Sanghamitra Mishra
HOD (Environment)

Place: Dahej