

**SYAMA PRASAD MOOKERJEE PORT
HALDIA DOCK COMPLEX**

AN ISO 9001: 2015 ORGANISATION
Office of the Sr. Dy. Manager I, I&CF Division,
Chiranjibpur Administrative Operational Building
2nd Floor, Annex – B, Purba Medinipur – 721 604

No. I&CF/IZ&R/SDM/ENV/ES_19-20/ 509

The Asst. Env. Engr. & In-Charge
Haldia Regional Office
West Bengal Pollution Control Board
Supermarket Building (3rd Floor)
P.O. and P.S. Durgachak, Haldia, Pin – 721 602
Purba Medinipur, Telefax: (03224) 274 190



Dated: 29.09.2020

Sub: Environmental Statement (Form V) of Haldia Dock Complex, KoPT

Sir,

In reference of the above, the filled up format of the Environmental Statement (Form V) for Haldia Dock Complex, Kolkata Port Trust for the Financial Year 2019-20 is enclosed herewith.

Encl: As above.

[Signature]
29/9/2020
Sr. Dy. Manager – I
I&CF Division
Haldia Dock Complex

**ENVIRONMENTAL STATEMENT
[FORM – V]**

(See rule 14)

Environmental Statement for the financial year ending the 31st March, 2020

PART – A

(i) Name and address of the owner/occupier of the industry operation or process.

**Haldia Dock Complex, Kolkata Port Trust
Administrative Office Complex
Jawahar Tower Building
Haldia – 721 607**

(ii) Industry category Primary: **Red**

(iii) Handling capacity: **50.7 MMT**

(iv) Year of establishment: **1977**

(v) Date of the last environmental statement submitted: **30.09.2019**

PART – B

(i) **Water and River Material Consumption**

Water consumption m³/d:

Process (Industrial Purpose): 240

Cooling:

Domestic: 2500

Name of Products	Process water consumption per unit of product output	
	During the previous financial Year	During the Current financial Year
	(1)	(2)
(1) -NA-		
(2) -NA-		
(3) -NA-		

ii) Raw Material Consumption

*Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		During the previous financial year	During the current financial year
-NA-			

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

PART - C

Pollution discharged to environment / unit of output: -NA-
(Parameter as specified in the consent issued)

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	-NA-	-NA-	-NA-
b) Air			

PART - D

Hazardous Wastes

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

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year	During the current Financial Year
a) From process (from Ship)	-	45 MT
b) From pollution control facilities	-NA-	-NA-

PART – E

Solid Wastes

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	–	3500 kg / day
(b) Form pollution control facility	-NA-	-NA-
(c) (1) Quantity recycled or re-utilized within the unit (2) Sold (3) Disposed (through Haldia Municipal Corporation)	–	3500 kg / day

PART – F

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

A Memorandum of Understanding was made between Haldia Dock Complex, KoPT and Haldia Municipal Corporation for collection and disposal of municipal solid waste and domestic waste on regular basis. The collected wastes are treated and disposed by West Bengal Waste Management Limited (Unit – II). Haldia Municipality made an agreement with WBWML (Unit – II) for this purpose.

Hazardous wastes are being generated during port operations are being handed over to registered recyclers having approval of competent regulatory authority for further processing.

PART – G

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

- a) All roads inside the dock area are converted to paved road made of bituminous, concreted or paver blocks.
- b) For suppression of the road dust inside the entire dock area, total 5 nos of truck mounted water sprinkling tankers are being in operation for 24 hours.

- c) A truck mounted movable fog canon machine is being procured for suppression of the fugitive dust especially during loading and unloading of the bulk cargo materials.
- d) Stack pile of the materials in stack yard is being covered with tarpaulin to minimize the chances of dust dispersion during heavy air blow.
- e) The loaded vehicles always being covered with tarpaulin before dispatch outside of the port to avoid spillage of materials during transportation.
- f) Curtain is being used during unloading of the dry bulk cargo materials from ship to shore to avoid the spillage of materials into the water bodies.
- g) Drain cleaning and maintenance is being done on regular intervals / requirement basis.
- h) Construction of retaining wall between drain and hardstand at specified locations are in progress to avoid the spillage of materials with storm water / rain water into the adjacent drain, resulting choking of the drain and water logging during rainy season.
- i) Generated domestic effluent of the offices and residential complex are being treated in stabilization / oxidation pond in STP before final disposal. No waste water is being generated from port operations.
- j) A huge plantation had already been completed inside dock area, office areas, road sides, parks as well as surrounding residential quarter complex.
- k) Oil Pollution Emergency Plan (tier I) prepared by Haldia Dock Complex, which is also approved by Joint Director (F&E).

Equipment as per Tier-I oil pollution response facility was audited by Indian Coast Guard & Ministry of Shipping time to time. Part of the equipment i.e. Booms, Skimmers, OSD applicator, Shore Cleaning equipment and Oil Spill Dispersant are kept on board one of the HDC tugs so as to tackle any emergency arising out of accidental spillage of oil into the river. The oil spillage recover and control equipments are as follows:

SI No	Name of the Equipment	Quantity	Remarks
1	RO Boom SPI 100 M Section (3 sections) with Accessories	300 M	-
2	Wire Skimmer with Power Pack and Associated Mechanisms	2 Nos	-
3	Flex Barge (10 Tonne capacity) and Accessories	4 Sets	-
4	Boom Reel for RO Boom and Associated Mechanisms	1 No	-
5	Permanent Boom 25 meter Section with Accessories	1700 M	-
6	U-Boom 200 M with Accessories	1 Set	-
7	Boom Reel for U Boom and Associated Mechanisms	1 Set	-
8	Air Blower with Accessories	2 Sets	-
9	Multi-Skimmer with Power Pack (brush / disk / drum) and Associate Mechanisms	2 Sets	-

10	Shore Cleaning Equipments (vacuum pump, oil transfer pump, hopper with vacuum head, oil spill discernment applicator – back pack type, temporary storage tank) with Accessories	5 Sets	–
11	Oil Spill Dispersion Applicator, Pump, Nozzle and Spray Arms and Associated Mechanisms	6 Sets	–
12	Sorbent Boom Pack	500 M	–
13	Sorbent Pads	20 Packs	–
14	Anti-Pollution Vessel / Work Boat	2 Nos	Procurement under Progress

Details of OSD HELS

SI No	OSD Type	Expiry Date	Quantity of Useable (Liters)	Remarks
1	Type – III / II	September 2022	5000	NIO and CG Approved

PART – H

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

The following works are being conducted by HDC, KoPT for environmental protection and prevention of pollution within dock premises as well as office areas and township areas:

- a) Environmental monitoring is being done by the MoEF & CC / NABL accredited laboratory of the following parameters:
 - i. Ambient Air Quality Monitoring
 - ii. Noise Quality Monitoring
 - iii. STP water Analysis
 - iv. Ground Water Analysis
 - v. Marine / River Water Analysis
 - vi. Drinking Water Analysis
 - vii. Sediment Analysis
 - viii. Greenbelt Study

The environmental monitoring report is being submitted to the Regional Office, Bhubaneswar of MoEF & CC with the half-yearly compliance report.

PART – I

Any other particulars for improving the quality of the environment.