



**Inland Waterways  
Authority of India**



**GOVERNMENT OF INDIA  
Inland Waterways Authority of India, Ministry of Shipping, Govt. of India**

**Project: Engineering, Procurement and  
Construction of Multimodal IWT Terminal at  
Haldia, West Bengal**

**Half Yearly Compliance Report of CRZ  
(Jul to Dec - 2021)**

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**1.0. Conditions/recommendations stipulated by the West Bengal State Coastal Zone Management Authority (WBSCZMA) vide its letter no. 135/EN/T-II/018/2015, dated 24.01.2017**

<b>Specific Recommendations</b>	<b>Status of Compliance</b>	<b>Evidence- Photographs/ bills/annexure</b>
CRZ norms as laid down in CRZ Notification, 2011 should be strictly followed.	The recommendation / conditions applicable for construction stage are being complied Some conditions / recommendations need to be complied prior to operational stage and during operational stage.	
The built-up area as proposed should be strictly adhered to.	Noted and agreed	
Noise and vibration during construction Should be minimized through good working practices and management of working hours.	Since February 2021 onwards no concrete work or construction, Engine driven machinery ,DG set was not in running condition, as work of the project was under completion, hence noise monitoring was inactive from February 2021. Next month we will conduct noise monitoring.	
The structures created under this project Should be able to withstand cyclonic storm that is likely to strike the coast once in 20 years interval. The project proponent should get the plan certified by a competent architect regarding its structural stability.	Being complied with	
Extraction of sand, leveling or digging of Sandy stretches except for structural formation should not be done under any circumstance.	Noted and agreed.	
No dredging should be done during Hilsa. Breeding season.	Dredging is not in the scope of terminal construction activities.	
Oil Spill Disaster Contingency Plan along the entire route of operations approved by Indian Coast Guard should be submitted prior to commencement of Cargo handling and dispatch.	Cargo handling and dispatch is not in the scope of terminal construction activity.	
The vessels using the facility should have proper safeguard for protection of wildlife such as dolphin etc. from damage by propeller.	No such big vessels having propeller are being used in construction activity, which may cause any damage to aquatic Wildlife.	

General Conditions	Status of Compliance	Evidence- Photographs/ bills/ annexure
Study of the siltation rate is to be submitted To the Authority from time to time.	A study on Siltation rate needs to be carried out by authorizes agencies/institutions after completion of structures.	
Liquid waste if any, from this area will not Be allowed to drain directly into the river.	Liquid hazardous waste has been Stored in separate room collected from site activities and has been disposed to authorized agency at regular interval.	
During loading and unloading of cargo strict Vigilance should be done to avoid spillage directly on river water.	Loading and unloading of cargo is not In the scope of terminal construction activity.	
The Contractor should abide by the Municipal Solid Waste (Management & Handling) Rules, 2000. The Contractor must develop the solid waste management and disposal scheme ensuring storage and segregation of bio-degradable and non-biodegradable wastes. The solid wastes to be composted and used as manure.	Solid waste collected in color coded waste been provided in various splices and to be disposed off from Site & Labor Camp as per standard procedure.	
Adequate provision for the infrastructure facilities including water supply and sanitation may be ensured for the laborers during the construction period in order to avoid damage to the surrounding environment.	The facilities like drinking water, proper labour accommodation, toilet facilities, Provision of First Aid Centre, Fire Extinguishers provided at labour camp. Regular cleaning & disinfection activities have been carried out at regular interval.	
Construction materials and wastes including hazardous substances such as oil, if any, should not be allowed to pollute the surrounding land or aquatic environments the case may be and should be disposed of as per prevalent rule.	Liquid hazardous waste has been stored in separate room collected from site activities and disposed to authorized agency. Secondary containment as dip tray has been provided in the Oil Storage near Store to prevent oil spills.	Liquid Hazardous waste has been disposed to Authorized Vendor.

General Conditions	Status of Compliance	Evidence- Photographs/ bills/ annexure
The noise level and the suspended particulate matters should be kept within permissible levels at the time of establishments as well as operations.	Noise Monitoring and Ambient Air Monitoring has been carried out as per monitoring plan. Dedicated Tanker has been deployed For frequent Water sprinkling.	
There should not be any removal of vegetative cover both at the establishment as well as operation stage, without the sanction of appropriate authority.	Noted and maintained	
The ships should not discharge ballast water or any untreated sewage directly into the river.	Ship and cargo movement is not required during the construction of Terminal.	
This CRZ clearance accorded to the project shall remain valid for a period of 5 years From the date of its issue.	Noted	
The Contractor shall submit half yearly compliance report in respect of stipulated terms and conditions in hard and soft copies on 1st June and 31st December of each calendar year.	Noted & Agreed.	
The WBSCZMA may monitor the implementation of the project at any stage. For all activities the authorized member of West Bengal State Coastal Zone Management Authority will have the power to inspect the sites to enforce conditions imposed by the state authority. The Authority reserves the right to add additional safeguard measures Subsequently if found necessary.	Noted	
Mudflat (adjoining and in the near vicinity of the project areas) restoration plan shall be developed with specific focus on waders and other migratory species. Non-vegetated mudflats must be maintained as it is and no mangrove a forestation should be undertaken on the same.	There is no such existence of mangroves , invertebrate communities like juvenile shore crabs , common periwinkle, salt marsh birds, migratory species etc in the mudflat area.	Mud flat area near vicinity of the project area.  Annear – 03 / A

General Conditions	Status of Compliance	Evidence- Photographs/ bills/ annexure
The contractor shall ensure that Implementation of the Oil Spill Contingency Plan is regularly monitored and observations documented and submitted to the concerned authority.	During construction stage secondary containment has been provided in Oil storage to prevent oil spill and concrete base arrangements has been made to prevent soil contamination	
Surface water contamination shall be monitored periodically in order to prevent Contamination of run-off water getting mixed of contaminated run-off with river. The monitoring results shall be submitted periodically to the State Pollution Control Board and the regional office of the Ministry.	No activity was in continuation on berth & jetty area since February 2021, an all major civil work was completed in January 2021.Hence surface water quality monitoring was kept inactive for the period.	
In order to ensure that the fishing community are not disturbed during their course of fishing activity, the project proponent shall ensure that barge movement shall be restricted to channel area only and the speed of barges regulated.	Fishing communities are not disturbed by the construction Activities.	Photo--Fishing activity is going on near the project site. Annexure – 03 / B
The project proponent shall provide Arrangement for Fish Drying beds with prior consultation with the fishing community. In addition, the project proponent shall ensure rehabilitation and resettlement of the fishermen communities in the event the project impacts existing livelihood pattern of these communities.	Noted.	
There shall be no disposal of solid or liquid Wastes on the coastal area. Solid waste management shall be as per Solid Wastes Management Rules, 2016. A team comprising of members of the WBCZMA and others with expertise in the subject may visit the project site periodically during the construction phase to supervise and suggest additional measures if Desired.	Noted	

General Conditions	Status of Compliance	Evidence- Photographs/ bills/ annexure
<ul style="list-style-type: none"> <li>Status of implementation of the specific and General conditions prescribed in the recommendations made by the West Bengal Coastal Zone Management Authority shall be submitted to all concerned agencies including regional office of the Ministry of Environment, Forest and Climate Change</li> </ul>	Noted & Agreed.	
<ul style="list-style-type: none"> <li>All terminal buildings should have energy Efficient design. It should follow GRIHA guidelines and aim for highest ratings under GRIHA.</li> </ul>	Contractual Guidelines will be Followed to comply the same. Building construction is going on as per SVA GRIHA guidelines.	

# Annexure- 1

## Details of Waste Sales

### Details of Used / Waste Oil

Sr . N o.	Site	Qty (In ltrs)	Date of Disposal	Details of Vendor/ Recycler/ Preprocessor					Sale Order no. & Date	Manifes Form - 10 Availab e at site (Yes/No)
				Name	Location of Recycling Facility	CPCB Registratio n on No. and period of Validity	S P C B Authorizati on No.	Validity period of CPCB / SPCB Authorized ion of Recycler's		
1	42016 DM,IWAI/ Haldia	3000	27.01.20	Shruti Petrochem Industries	Vill: Lohar Heri Dist: Jhajjar, Haryana		100/2013- 14/RCRR/H W/HSPCBN /ORANGE	30.06.2019 To 29.06.2024	Sales Order No : 1308 Date : 26.11.201 9	Yes

**\*\*We currently have 400 liters of Waste oil in our store after 27.01.20. We are disposing of it and preparing to submit the details as soon as possible.**



## Annexure- 2

### Declaration for Environment Monitoring

#### **1. Ambient Air quality Monitoring: -**

**Declaration** - Since February 2021 onwards no concrete work or construction, Engine driven machinery was not in running condition, as work of the project was under completion, hence air quality monitoring was inactive from February 2021.

#### **2. Surface Water Monitoring: -**

**Declaration** - No activity was in continuation on berth & jetty area since February 2021, an all major civil work was completed in January 2021. Hence surface water quality monitoring was kept inactive for the period.

#### **3. Noise Monitoring: -**

**Declaration** - Since February 2021 onwards no concrete work or construction, Engine driven machinery ,DG set was not in running condition, as work of the project was under completion, hence air quality monitoring was inactive from February 2021.

#### **4. Aquatic ecology (Photo & Zooplankton): -**

**Declaration** - Our last activity on concrete work was completed dated 07.01.2021 on berth & jetty, Hence monitoring of marine Eco system was kept inactive.

#### **5. Integrity of embankment: -**

**Declaration** - Repairing of embankment at Approach Trestle 01, 02, 03 & 04 was done but on 24<sup>th</sup> May 2021. It has been partially damage. The Re- development of the same is in progress.

#### **6. Soil (Soil texture, type, Electrical conductivity, pH, infiltration, porosity, etc.):-**

**Declaration** - No chemical substances which can disturb soil texture, electrical conductivity, pH, infiltration, porosity of soil mixed-up with soil generate harmful effect to Ecology for this site.

**Annexure- 3**

**A. Mud flat area near vicinity of the project area.**



**B. Fishing activity is going on near the project site.**



**Annexure- 4  
PUC Details**

Tipper  
ML04A3273  
Exp Date – 16.06.2022

**POLLUTION UNDER CONTROL CERTIFICATE**  
(Under the West Bengal Motor Vehicles Rules, 1989)

Vehicle Registrn. No. : ML04A 3273 WB-01-C 9083316

Date of issue: 17-DEC-2021 Valid upto: 16-JUN-2022

Pollution Level:  
CO (%)  
HC (ppm)  
SD (HSU) 12.45

PUC Certificate issued by: License No. and Seal: 26/PUC/2015

Signature: KRISHNAKALI A.E.T.C. Seal: KRISHNAKALI A.E.T.C. HALDIA Lic.No.: 26/PUC/2015

**COMPUTERISED EMISSION TEST CERTIFICATE**  
AUTHORISED BY :GOVT. OF WEST BENGAL  
KRISHNAKALI A.E.T.C  
BASUDEVPUR,HALDIA, PURBA MEDINIPUR  
Mob.: 9800787069

I.D.Number:WB00002969946 License No: 26/PUC/2015  
Vehicle Registration Number :ML04A3273 Fuel: DIESEL  
Year of Registration : 2008 Date: 17-DEC-2021  
Speedometer Reading(Kms):1729 Time:06:40:30  
Engine Number: 129051 Type of Vehicle others  
Chassis Number:215276 Type Of Engine :others  
Vehicle Color BROWN Oil Temp: 64.0  
Vehicle Make :TATA Test Fees:100 /-  
Vehicle Model :TIPPER Valid Up To: 16-JUN-2022  
Owner Name :ITD C.I.LTD Validity: 6 months  
Driver : Grade : A

No. of K	K Val	Min RPM	Max RPM	Interval	Oil Temp	Test Time
1	0.29	740	2100	5.1	42.0	06:40:30
2	0.07	750	2020	4.5	62.0	06:40:33
3	0.06	730	2180	5.1	63.0	06:40:37
4	0.06	735	2060	5.1	63.0	06:40:40
5	0.06	745	2010	5.1	64.0	06:40:45
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-
K Avg	0.345					
HSU	12.45					

Min RPM Average : 740  
Max RMP Average : 2110

*Certified that this Vehicle's K-Mean and HSU% Value Confirms to the standards Prescribed under Rule 115(2) of CMV Rules 1989, the certificate is valid for 6 months.*

Name of Authorized Signatory With signature

Seal of Testing Centre



**Backhoe Loader**  
**AP31D J8351**  
**Exp Date – 16.06.2022**

Form 59

[See rules 115 (2)]

**Pollution Under Control Certificate**

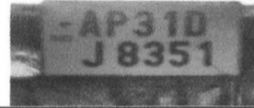
Authorised By :  
Government of West Bengal

**Date** : 17/12/2021  
**Time** : 11:51:04 AM  
**Validity upto** : 16/06/2022



Certificate SL. No. : WB02900520003073  
Registration No. : AP31DJ8351  
Date of Registration : 19/Nov/2007  
Month & Year of Manufacturing : October-2007  
Valid Mobile Number : \*\*\*\*\*5365  
Emission Norms : Bharat Stage III (CEV)  
Fuel : DIESEL  
PUC Code : WB0290052  
GSTIN : 19AGFPA4016MIZI  
Fees : Rs.100.00(GST as applicable)  
MIL observation : No

Vehicle Photo with Registration plate  
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.97

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://vahan.parivahan.gov.in>

Authorised Signature with stamp of PUC operator  
60mm x 20 mm

