



# भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

(पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार)

**INLAND WATERWAYS AUTHORITY OF INDIA**  
(Ministry of Ports, Shipping and Waterways, Govt. of India)

क्षेत्रीय कार्यालय : पी-७८, गार्डनरीच रोड, कोलकाता - ७०० ०४३ (प० बं०)  
REGIONAL OFFICE : P-78, Garden Reach Road, Kolkata - 700 043 (W.B.)

दूरभाष : 2439 0393 / 5577 / 6055, फ़ैक्स : 2439 5570



**SAGARMALA**  
PORT-LED PROSPERITY

E-mail : iwaical@yahoo.com  
dirkol.iwai@nic.in

IWAI /JMVP/8B/MMT-HAL/CRZ /2018-19/1409

Date-24.01.2024

To,  
The Director  
Eastern Zone ,MoEF&CC,Govt. of India  
A/3-Chandrashekharpur  
Bhubneswar-751023  
E-mail-roez.bsr-mef@nic.in

Sub:-Submission of Half Yearly Compliance report of the Clearance Certificate of CRZ for construction of MMT IWT Terminal at Haldia-reg  
Ref: MoEF&CC CRZ Clearance letter no.-11-14/2017-IA-III,dt.06.11.17

Sir,

Inland Waterways Authority of India (IWAI),Ministry of Shipping ,Govt. of India is implementing the Jal Marg Vikas Project (JMVP) for capacity augmentation for navigation on National Waterways-1.

The project interventions includes construction of Multimodal IWT Terminal at Haldia (Dist.- Purba Medinipur,WB.). The West Bengal Coastal Zone Management Authority (WBCZMA),Dept. of Environment (DoE),Govt. of W.B.,had recommended the project for Coastal Region Zone (CRZ) clearance to the Ministry of Environment ,Forest &Climate Change (MoEF&CC),Govt.of India,vide letter no. 135/EN/T-II-4/018/2015,dt.24.01.2017. The MoEF&CC accorded CRZ Clearance vide letter no. 11-14/2017-IA-III,dt.06.11.2017 to the IWAI for the project located at Haldia,under the provisions of the CRZ Notification,2011.

As per the Part-General condition (Para-iii)of the aforesaid clearance letter ,it is mandatory that Half Yearly report indicating the compliance of the certain conditions listed by MoEF&CC are to be submitted to Regional Office at Bhubaneswar &West Bengal Coastal Management Authority.

In this regard, please find enclosed herewith Half Yearly Compliance report for the period of July-Dec.,2023 pertaining to construction of Multimodal IWT Terminal at Haldia for your kind information and perusal.

Yours faithfully

  
(Arvind Kumar)

Director & E-I-C  
MMT-Haldia,JMVP

Encl.as stated asbove

Copy to:-

1. The Chief Engineer &P.M.,JMVP,IWAI,Noida
2. Shri Anishu Rahman,Specialist (Consultant),JMVP,IWAI,Noida
3. Shri Manish Kumar,Environment Specialist,JMVP,IWAI,Noida



# भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

(पत्तन, पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार)

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PORT-LED PROSPERITY

E-mail : iwaical@yahoo.com  
dirkol.iwai@nic.in

IWAI/JMVP/8B/MMT-HAL/CRZ/2018-19/1408

Date-24.01.2024

To,

The Member Secretary & CEO

WBCZMA, Dept. of Environment

Govt. of W.B., Salt Lake, Kolkata

E-mail-environmentwb@gmail.com

Sub:-Submission of Half Yearly Compliance report of the Clearance Certificate of CRZ for construction of MMT IWT Terminal at Haldia-reg

Ref: 1.MoEF&CC CRZ Clearance letter no.-11-14/2017-IA-III,dt.06.11.17

2.WBCZMA letter no. 135/EN/T-II-4/018/2015,dt.024.01.2017

Sir,

Inland Waterways Authority of India(IWAI),Ministry of Shipping ,Govt. of India is implementing the Jal Marg Vikas Project (JMVP) for capacity augmentation for navigation on National Waterways-1.

The project interventions includes construction of Multimodal IWT Terminal at Haldia (Dist.-Purba Medinipur,WB.). The West Bengal Coastal Zone Management Authority (WBCZMA),Dept. of Environment (DoE),Govt. of W.B.,had recommended the project for Coastal Region Zone (CRZ) clearance to the Ministry of Environment ,Forest & Climate Change (MoEF&CC),Govt.of India,vide letter no. 135/EN/T-II-4/018/2015,dt.24.01.2017. The MoEF&CC accorded CRZ Clearance vide letter no. 11-14/2017-IA-III,dt.06.11.2017 to the IWAI for the project located at Haldia,under the provisions of the CRZ Notification,2011.

As per the condition mentioned under Part B, General Condition (Para-ix)of the aforesaid recommendation letter ,it is mandatory that Half Yearly report indicating the compliance of the conditions listed is to be submitted to WBCZMA.

In this regard,please find enclosed herewith Half Yearly Compliance report for the period of July-Dec.,2023 pertaining to construction of Multimodal IWT Terminal at Haldia for your kind information and persusal.

Yours faithfully

(Arvind Kumar)

Director & E-I-C

MMT-Haldia,JMVP

Encl.as stated asabove

Copy to:-

1. The Chief Engineer & P.M.,JMVP,IWAI,Noida
2. Shri Anishu Rahman,Specialist (Consultant),JMVP,IWAI,Noida
3. Shri Manish Kumar,Environment Specialist,JMVP,IWAI,Noida

Head Office : Jalmarg Bhawan, A-13, Sector-1, NOIDA - 201 301 (U.P.)

Phone : +91-120-2544036, 2543972, 2527667, 2448101, Fax : +91-120-244009, 2544041, 2521764, 2543973

Website : www.iwai.gov.in / www.iwai.nic.in Email : iwainoi@nic.in



# भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

(पोत परिवहन मंत्रालय, भारत सरकार)

मुख्यालय : ए-13, सेक्टर-1, नौएडा-201 301, (उ.प्र.)

## INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Shipping, Govt. of India)

Head Office : A-13, Sector-1, Noida-201 301 (U.P.)

Website : www.iwai.gov.in | www.iwai.nic.in

Tel. : +91-120-2544036, 2543972, 2527667, 2448101 Fax : +91-120-2544009, 2544041, 2543973, 2521764

No. IWAI/WB/NW-1/10/3/ (13)/2015

Date: 16.01.2024

To  
The Director,  
IWAI, Kolkata

Sub: Compliance of conditions stipulated for the CRZ clearance for the Multimodal Terminal at Haldia, West Bengal.

Ref: (1) MoEF&CC CRZ Clearance Letter No. 11-14/2017-IA-III dated 06.11.2017

Sir,

Half yearly report on Compliance of Conditions required to be submitted as per the Part B general Conditions (Para-III) of referred CRZ clearance letter for the period of July- December 2023 along with the necessary annexures is enclosed.

2. It is requested that this half yearly compliance report may please be submitted to the MoEF&CC Regional Office, Bhubaneswar and West Bengal Coastal Zone Management Authority, Kolkata.

Yours faithfully,

(Ravi Kant)

Chief Engineer &  
Project Manager (JMVP)

Encl: As above.

**Half yearly Compliance Report for CRZ Clearance for  
Multi Modal Terminal at Haldia, District Purbi (East),  
Medinipur, West Bengal  
July-December 2023**

**Compliance of conditions laid down by the MoEF&CC for granting CRZ clearance for the Haldia MMT vide Letter No. 11-14/2017-IA.III dated 06.11.2017**

S.No	Conditions of CRZ	Compliance Status
<b>Part A: Specific Conditions</b>		
(i)	All conditions/recommendations stipulated by the West Bengal Coastal Zone Management Authority (WBCZMA) vide its letter no. 135/EN/T-II/018/2015; dated 24.01.2017 shall strictly be complied with.	Noted and Complied. Compliance report of conditions stipulated by the West Bengal Coastal Zone Management Authority for the period of July to December 2023 is enclosed as <b>Annexure -I</b> with this report.
(ii)	Any other clearances/ as may be applicable, under other rules/notifications/Orders issued under the provisions of EIA Notification, 2006, shall be obtained, prior to commencement of the proposed activity.	Noted. No other clearance is applicable at this stage.
(iii)	'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Noted and Complied. 'Consent to Establish' has been obtained from the West Bengal State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974. Consent to Establish enclosed as <b>Annexure-II</b>

(iv)	A 2% of the cost of the project shall be apportioned for marine and coastal biodiversity protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.	<p>Noted and is being complied with. In this connection, following activities or measures has been undertaken by IWAI which would contribute to the marine and coastal biodiversity protection and conservation in and around the Haldia MMT:</p> <table border="1" data-bbox="813 526 1359 1093"> <thead> <tr> <th data-bbox="813 526 877 616">Sr. No</th> <th data-bbox="877 526 1141 616">Environmental Protection Measures</th> <th data-bbox="1141 526 1359 616">Estimated Cost in INR</th> </tr> </thead> <tbody> <tr> <td data-bbox="813 616 877 728">1.</td> <td data-bbox="877 616 1141 728">Risk assessment and disaster management plan for NW-1</td> <td data-bbox="1141 616 1359 728">69,47,425/-</td> </tr> <tr> <td data-bbox="813 728 877 851">2.</td> <td data-bbox="877 728 1141 851">Study for the effect of navigation activities on dolphin</td> <td data-bbox="1141 728 1359 851">48,30,000/-</td> </tr> <tr> <td data-bbox="813 851 877 1019">3.</td> <td data-bbox="877 851 1141 1019">Equipment for collection and transportation of solid and liquid waste at MMY Haldia</td> <td data-bbox="1141 851 1359 1019">1,54,04,546</td> </tr> <tr> <td data-bbox="813 1019 877 1093">4.</td> <td data-bbox="877 1019 1141 1093">Environmental Management Plan</td> <td data-bbox="1141 1019 1359 1093">1,20,24,600/-</td> </tr> </tbody> </table>	Sr. No	Environmental Protection Measures	Estimated Cost in INR	1.	Risk assessment and disaster management plan for NW-1	69,47,425/-	2.	Study for the effect of navigation activities on dolphin	48,30,000/-	3.	Equipment for collection and transportation of solid and liquid waste at MMY Haldia	1,54,04,546	4.	Environmental Management Plan	1,20,24,600/-
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4.	Environmental Management Plan	1,20,24,600/-															
(v)	The construction in CRZ areas shall strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.	Noted and complied. Construction of the Multi Model Terminal has been Completed.															
(vi)	The project shall be implemented in a manner such that it is consistent with the Government of India's mission on Clean Ganga and serves as role model for Inland Water Transport.	Noted and is being complied with.															
(vii)	The project proponent shall take necessary directives from National Ganga River Basin Authority before execution of the project.	Noted and Complied. IWAI had written to NGRBA on 11.10.2017 in this matter and this was followed by reminders dated 20.09.2018 and 20.02.2019, but there has been no response from the NGRBA so far. It may, therefore, be presumed that NGRBA has no comments/instructions to offer in this regard.															

(viii)	The project proponent shall commission a study on Gangetic Dolphin habitats and formulate road map for its conservation within a time bound manner not exceeding two years.	Noted and Complied. A consultancy study on the effect of navigational activities on Dolphins in the National Waterway-1 has been commissioned on 20 <sup>th</sup> December, 2017. The study was concluded on September 2020. All the recommendation of the study are under consideration. Vessels operators will be sensitized continuously to take the measures suggested in the study to minimize or the negative effect of navigation on the Gangetic Dolphin Habitat.
(ix)	The project proponent shall ensure that restoration plan for mudflat (in and around the vicinity of the project areas) is developed with specific focus on waders and other migratory species during the course of development of the project itself. Non vegetated mudflats shall be maintained as it is and no mangrove afforestation should be undertaken on the same.	Noted 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.
(x)	A robust scientific study on data of fish fauna available in the Ganges shall be carried out from an institute of national repute and report submitted within one year to the Regional office of the Ministry and the Ganga Basin Authority.	Noted and Complied. A study on the "Impact assessment of coal transportation through barges along the National Waterway No. 1 (Sagar to Farakka) along river Ganga by ICAR-CIFRI, Kolkata was commissioned by NTPC. This study included the data on fish fauna, abiotic and biotic components, impacts on livelihood of fishermen etc. A copy of the study report was enclosed with the half yearly CRZ compliance report for the period of January-June 2018. Copy of this report was also submitted to NGRBA vide letter No. IWAI/WB/NW-1/10/3/(13)/2015 dated 11.10.2017. A copy of the report was sent to MoEF & CC on 16.01.17 by NTPC.

(xi)	The project proponent shall ensure that implementation of the Oil Spill Contingency Plan is regularly monitored and observations documented and submitted to the concerned authority of the State Government.	Noted and being complied with.
(xii)	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.	Noted. Different drainage system is there for effluent discharge and rain fall runoff. Regular monitoring of surface water was conducted during the construction period. During the operation phase waste water will be treated at sewage treatment plant installed at terminal site and treated water will be used for flushing and gardening purpose. Regular monitoring of the treated effluent water will be conducted.
(xiii)	In order to ensure that the fishing community are not disturbed during their fishing course of activity, the project proponent shall ensure that barge movement shall be restricted to channel area only and the speed of barges are efficiently regulated.	Noted for compliance at the operational stage of the terminal.
(xiv)	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. As per ESIA study carried out for the project, no fishing community is affected, as the Haldia Dock Complex, the site of the project, is a restricted area and no fishing hamlet/ fishing activity within the shore of the river abutting the complex is permitted.
(xv)	There shall be no disposal of solid or liquid wastes on the coastal area. Solid waste management shall be as per	Noted and complied. During the Construction phase Solid waste was collected in colour coded waste bins at the labour colony and



	<p>Solid Wastes Management Rules, 2016. A team comprising of members of the WBCZMA and others with expertise in the subject shall visit the project site periodically during the construction phase to supervise and suggest additional measures if desired.</p>	<p>construction site and disposed as per the Rules. During the Operation Phase bio-degradable waste will be composted in Bio waste composter installed at Terminal site and other MSW waste will be handled as per Municipal Solid Waste (Management &amp; Handling) Rules, 2016.</p>
(xvi)	<p>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.</p>	<p>Noted and is being complied with.</p>
(xvii)	<p>There shall be no dressing or-alteration of the landscape sand dunes, natural features including changes for beautification, recreation and other such purpose.</p>	<p>Noted and is being complied with.</p>
(xviii)	<p>All waste (liquid and solid) arising from the proposed development will be disposed off as per the norms prescribed by Central/State Pollution Control Board. There shall not be any disposal of untreated effluent in to the sea/coastal water bodies.</p>	<p>Noted and complied with. STP to treat the effluent generated during the operation phase of terminal is installed at Terminal Site. Effluent collection equipment has been deployed at terminal site to collect the effluent from vessels for the further treatment. Solid waste was collected in colour coded waste bins at the labour colony and construction site and disposed as per the Rules. During the Operation Phase bio-degradable waste will be composted in Bio waste composter installed at Terminal site and other MSW waste will be handled as per Municipal Solid Waste (Management &amp; Handling) Rules, 2016.</p>

(xix)	Soil and ground water sample shall be regularly collected from the project site and tested from an NABL accredited laboratory to ascertain that there are no threats to ground water quality by leaching of heavy metals and other toxic contaminants. In case, contamination is observed, immediate remedial action shall be undertaken and the concerned agency in the State Government shall be informed.	Noted and complied. During the Construction Phase regular monitoring was done and monitoring reports were submitted with earlier compliances. Construction of Multi Model terminal has been Completed. Regular sample collection and monitoring for the heavy metal contamination will be there during the Operation Phase of the Terminal.
(xx)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, one in approved sites with the approval of competent authority.	Noted and complied. Earlier agreement with the gram panchayat was obtained for the disposal site and muck was disposed at the safe site accordingly. Construction of Multi Model terminal has been Completed.
(xxi)	Any hazardous waste generated during construction phase, should be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board, as may be applicable.	Complied. Hazardous waste generated during the construction phase was disposed through authorized vendor.
<b>S.No</b>	<b>Conditions of CRZ</b>	<b>Compliance Status / Remarks</b>
<b>Part B: General Conditions</b>		
(i)	Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.	Noted and Complied. The EPC contractor of the project provided the labour colony with all required infrastructure facilities such as water supply, fuel and sanitation and has also taken all the precautionary measures to avoid any damage to the environment.
(ii)	Full support shall be extended to the officers of this	Noted.

	Ministry/Regional Office by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	
(iii)	A six-monthly monitoring report shall be submitted by the project proponents to the Regional Office of this Ministry regarding the implementation of the stipulated conditions.	Noted and is being complied with.
(iv)	The Ministry of Environment, Forest & Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary, in the interest of environment and the same shall be complied with.	Noted.
(v)	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with to the satisfaction of the Ministry.	Noted.
(vi)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry.	Noted.
(viii)	A copy of the clearance letter shall be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.	Noted and Complied. Details submitted to Ministry of Environment, Forest & Climate Change and West Bengal Coastal Zone Management Authority along with half yearly compliance dated 01.11.2018.
(ix)	A copy of the CRZ Clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries center and Collector's	Noted and Complied. Details submitted to Ministry of Environment, Forest & Climate Change and West Bengal Coastal Zone Management Authority along with half yearly compliance dated 01.11.2018.

	Office/Tehsildar's Office for 30 days.	
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**List of Annexure**

<b>S. No.</b>	<b>Details</b>	<b>Annexure No.</b>
1.	Compliance of the conditions/ recommendations stipulated by West Bengal Coastal Zone Management Authority (WBCZMA)	ANNEXURE-I
2.	Consent to Establish from west Bengal pollution control board of the Multi Model Terminal	ANNEXURE-II

# **ANNEXURE-I**

**Compliance of the conditions/recommendations  
stipulated by the West Bengal State Coastal Zone  
Management Authority (WBSCZMA)**

**July-December 2023**

Compliance of the 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.

S.No	Conditions	Compliance
<b>Part A: Specific Conditions of WBSCZMA</b>		
(i)	CRZ norms as laid down in CRZ Notification, 2011 should be strictly followed.	Noted and is being complied with.
(ii)	The built-up area as proposed should be strictly adhered to.	Noted and complied.
(iii)	Noise and vibration during construction should be minimized through good working practices and management of working hours.	<p>Complied.</p> <p>Construction of the Multi model Terminal has been Completed. The following measures were taken to minimise the noise and vibration during construction stage:</p> <ul style="list-style-type: none"> <li>• Restriction of high noise generating activity between 6.00 AM to 10:00 PM.</li> <li>• Barricading (temporary noise barrier) the construction site to minimize the noise level outside the site boundary.</li> <li>• Noise monitoring done at different project locations indicated that it was within the permissible limit.</li> </ul> <p>Test reports of noise monitoring were submitted with previous compliance reports.</p>
(iv)	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.	The structural design of the terminal regarding its stability to withstand cyclonic storms has been got vetted and certified from IIT Kharagpur.
(v)	Extraction of sand, levelling or digging of sandy stretches except for structural formation should not be done under any circumstance.	Noted and Complied.
(vi)	No dredging should be done during Hilsa breeding season.	Noted and is being complied with.
(vii)	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 despatch.	Noted.
(viii)	The vessels using the facility should have proper safeguard for protection of wildlife	No such big vessels having propeller are being used in construction activity, which may

	such as dolphin etc. from damage by propeller.	cause any damage to aquatic Wildlife. During the operation Phase proper safeguard measures for the protection of wildlife will be taken. IWAI has conducted the study on Effect of Navigational Activities on Dolphin In the National Waterway-1. Recommendations of this study are in consideration.
(ix)	Study of the siltation rate is to be submitted to the Authority from time to time.	Noted.

**PART- B: GENERAL CONDITION**

S.No	Conditions	Compliance
<b>Part B: General Conditions of WBSCZMA</b>		
(i)	Liquid waste if any, from this area will not be allowed to drain directly into the river.	Noted and is being complied with. Separate drain for effluent discharge and Storm water discharge has been developed at terminal site. Effluent discharge from terminal and the vessels will be treated at STP Installed at the Terminal Site. Treated effluent water will be used for gardening purpose.
(ii)	During loading and unloading of cargo strict vigilance should be done to avoid spillage directly on river water.	Noted for the compliance during the operation phase.
(iii)	The Proponent should abide by the Municipal Solid Waste (Management & Handling) Rules, 2000. The Proponent 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.	Noted and being complied with. Solid waste was collected in colour coded waste bins at the labour colony and construction site and disposed as per the Rules. During the Operation Phase bio-degradable waste will be composted in Bio waste composter installed at Terminal site and other MSW waste will be handled as per Municipal Solid Waste (Management & Handling) Rules, 2000.
(iv)	Adequate provision for the infrastructure facilities including water supply and sanitation may be ensured for the labourers during the construction period	Complied.

	in order to avoid damage to the surrounding environment.	
(v)	Construction materials and wastes including hazardous substances such as oil, if any, should not be allowed to pollute the surrounding land or aquatic environment as the case may be and should be disposed of as per prevalent rule.	Complied. Construction of the Multi model Terminal has been Completed. Construction wastes was stored at demarcated locations at the site. Waste oil was disposed through authorized vendor, details of which were shared with earlier compliance reports.
(vi)	The noise level and the suspended particulate matters should be kept within permissible levels at the time of establishments as well as operations.	Complied during the construction Phase. Construction of the Multi model Terminal has been Completed. Noted for the Operation Phase.
(vii)	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 is being complied with. Permission from the Divisional Forest Office, Purba Medinipur, West Bengal for tree cutting was obtained. Details of the same has been provided with earlier compliance reports.
(viii)	The ships should not discharge ballast water or any untreated sewage directly into the river.	Noted. Zero discharge from vessels policy is there for NW-1. Untreated sewage will be collected at the waste reception facility deployed at the terminal for treatment in STP.
(ix)	This CRZ clearance accorded to the project shall remain valid for a period of 5 years from the date of its issue.	Noted.
(x)	The project proponent shall submit half yearly compliance report in respect of stipulated terms and conditions in hard and soft copies on 1 <sup>st</sup> June and 31 <sup>st</sup> December of each calendar year.	Being complied with.
(xi)	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.





NOC NO175212

Application No. 1242578

# WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Urdwan  
10A, Block-LA, Sector-III  
Bidhannagar, Kolkata-700 098

Memo No. 275/353-hl-nc-r/2022

Dated 12/07/2022

From :  
Member Secretary,  
West Bengal Pollution Control Board

To : M/S. Inland Waterway  
P-78, Garden Reach Road,  
Kolkata - 700 043

# WEST BENGAL

Sub : Consent to Establish (NOC) from Environmental Point of View

Ref : Application Dated 28/03/2022

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Inland Waterway Authority of India for manufacturing/storage installation Multi Modal Terminal having five(5) berths for handling of Cargos - 4.07 Million Tonnes/Year.

at Haldia, Vill. - Bishkha, P.O. & P.S., Durgachak, Dist. Purba Medinipur, Pin:- 721 60, this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed, erected/re-erected without prior approval of this Board.

NOC NO175212

7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
  - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
  - Environment (Protection) Act, 1986
  - Environment (Protection) Rules, 1986
  - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
  - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
  - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
  - The Public Liability Insurance Act, 1991 and Amended Act, 1992
  - The Public Liability Insurance Rules, 1991 and Amended Rules 1993
  - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
  - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
  - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

**SPECIAL CONDITION :**

please see Annexure.

Gross Capital Investment for the Project is Rs.4128129280/-

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

*Radika* 12/07/2022  
for Member Secretary,  
West Bengal Pollution Control Board

Environmental Engineer  
Dated.....  
Pollution Cell

Memo No. ....

Copy forwarded for information to :

- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
- Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
- Guard file, West Bengal Pollution Control Board.
- Environmental Engineer, I/II/Anapur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board  
Himalaya Bhawan  
Delhi Road, Dankuni  
Dist. Hooghly  
Vill, Panpur  
Kalyani Expressway  
P.O. Narayanpur  
Dist. 24 Pgs. (N)  
Sahid Khudiram Sarani  
City Centre, Durgapur-16  
Dist. Burdwan  
10, Camac Street  
2nd Floor  
Kolkata-700 017  
Paribesh Bhawan  
10A, LA-Block, Sector-III  
Salt Lake City,  
Kolkata - 700 098  
Block-05 at 40  
Flats Complex  
Adjacent to Priyambada  
Housing Estate  
P.O. : Khanjanchak,  
P.S. Durgachak  
Haldia-721602  
Dist. : Purba Medinipur  
Paribahan Nagar  
Matigara, Siliguri  
Dist.-Darjeeling

Satya Chowdhury  
Indoor Stadium  
Balurchar Bandh Road  
Malda-732101

Asansol Sub-Regional Office  
ADDA Commercial Market (2nd Floor)  
Opposite Asansol Fire Station  
G.T. Road, Asansol-713 301

Member Secretary,  
West Bengal Pollution Control Board

**Special Conditions issued for the development of Multi Modal Terminal by M/s. Inland Waterways Authority of India at Haldia, P.O. & P.S. Durgachak, District – Purba Medinipur, Pin-721602, West Bengal.**

**A. EMISSION :**

D.G.Set – 1x160 KVA (Standby) ---to be provided with residential silencer and in-built acoustic enclosure and connected to a stack of adequate height.

**B. EFFLUENT :** Domestic – to be treated in proposed STP and treated water shall be reused for plantation, landscaping, flushing etc.

**C. SOLID WASTE :** i. Non-hazardous : to be disposed off in environment friendly manner.  
ii. Hazardous : to be disposed off as per the provision of Hazardous Wastes (Management and Transboundary Movement) Rules, 2016.

**D. SPECIFIC CONDITIONS:**

- I. CRZ norms as laid down in CRZ Notification, 2011 should be strictly followed. Clearance from CRZ authority issued vide letter no.F.No.11-14/2017-IA-III dt. 06/11/2017 should be complied with.
- II. The terminal will have 8 nos. silos for fly ash storage, stockyards for stone aggregates, fertilisers and Edible oil/POL.
- III. No hazardous materials should be handled at the terminal.
- IV. There shall be no disposal of solid or liquid wastes on the coastal area
- V. Solid Waste Management shall be done as per the Solid Waste Management Rules, 2016.
- VI. Fly ash shall be stored in Ash Silos with dust extraction system and pneumatic conveying system shall be used for loading/unloading.
- VII. Mechanical conveying system with provision of dust collection system for loading/unloading materials from barges shall be provided.
- VIII. Vessels should not be allowed to discharge their wastewater and solid waste in river.
- IX. Emergency preparedness plan shall be prepared and should be implemented during emergency condition.
- X. Monitoring of ambient air quality shall be carried out on monthly basis as proposed in the EMP and records shall be maintained.
- XI. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Water sprinkling arrangement shall be made in the raw material stock yards and other high dust potential areas.
- XII. Further dust suppression measures shall be taken at the site like vacuum collectors at dust generation areas.
- XIII. Groundwater shall not be abstracted without obtaining prior permission of the competent authority.
- XIV. Adequate provisions should be made for harvesting rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc.
- XV. Green belt shall be developed. At least 33% of the area should be kept for green belt development.
- XVI. Selection of appropriate species for the plantation program may be done in consultation with DFO /West Bengal Biodiversity Board. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the permission of appropriate authority.
- XVII. No tree can be felled without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules.
- XVIII. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.
- XIX. The project proponent (PP) should abide by the Solid Waste Management Rules, 2016. The PP must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed off in consultation with concerned local body.

*R. Saha*  
12/07/2022

**Special Conditions issued for the development of Multi Modal Terminal by M/s. Inland Waterways Authority of India at Haldia, P.O. & P.S. Durgachak, District – Purba Medinipur, Pin-721602, West Bengal.**

- XX. The proponent should abide by the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Collection and storage of hazardous wastes during Pre-construction and Post-construction activity including operational phase should be planned properly. The expected hazardous wastes should be disposed off separately as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- XXI. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- XXII. Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas shall be carried out to control fugitive emissions.
- XXIII. Regular water sprinkling shall be carried out in critical areas prone to air pollution such as haul road, loading and unloading points, transfer points and other vulnerable areas.
- XXIV. Proper lighting and proper pathway should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained.
- XXV. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- XXVI. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- XXVII. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- XXVIII. Oil Spill Disaster Contingency Plan along the entire route of operations should be prepared.
- XXIX. The construction should not obstruct the flow of the river.
- XXX. Water bodies/ponds within the project area to be preserved.
- XXXI. The green diesel generators shall be used as back-up power supply.
- XXXII. Earth protection work shall be carried out to avoid erosion of soil from the shoreline / boundary line from the land area into the marine water body. The earth work shall be undertaken with permission of the competent authorities.
- XXXIII. The ships should not discharge ballast water or any untreated sewage directly in to the river.
- XXXIV. Waste water generated from domestic activities during construction phase shall be treated in septic tank and soak pit and during operational phase shall be treated in sewage treatment plant and reused for plantation, landscaping, flushing etc.
- XXXV. The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards.
- XXXVI. Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011.
- XXXVII. The project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- XXXVIII. Shoreline should not be disturbed due to dumping.
- XXXIX. Well designed drainage system shall be provided.
- XL. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.
- XLI. All standard safety and occupational hazard measures shall be implemented and monitored to prevent the occurrence of untoward incidents/accidents.
- XLII. The PP shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.
- XLIII. All other statutory clearances should be obtained by project proponent from the competent authorities.

*Rd*  
12/07/2022

Annexure to NOC Sl. No. NO175212

**Special Conditions issued for the development of Multi Modal Terminal by M/s. Inland Waterways Authority of India at Haldia, P.O. & P.S. Durgachak, District – Purba Medinipur, Pin-721602, West Bengal.**

- XLIV. The project proponent shall comply with all the environmental protection measures and safeguards stated in the EMP.
- XLV. No manufacturing activity shall be carried out in the proposed terminal.
- XLVI. No further expansion or modifications in the project should be carried out without prior approval of the Board.
- XLVII. The NOC is valid upto 31.03.2029 for the proposed Multi Modal Terminal Project.

*Ratna* 12/07/2022  
**Environmental Engineer**  
**West Bengal Pollution Control Board**  
P.O. Durgachak, P.S. Durgachak, District – Purba Medinipur, Pin-721602, West Bengal.