



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), MAHARASHTRA)

To,

The EE
MUMBAI PORT TRUST
4,kolaba House MbPT Colony Colaba Mumbai -400005

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/INFRA1/411315/2022 dated 01 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B033MH146445
2. File No.	SIA/MH/INFRA1/411315/2022
3. Project Type	New
4. Category	B
5. Project/Activity including Schedule No.	7(e) Ports, Harbours
6. Name of Project	Construction of New Fish Terminal with Approach Trestle at Mallet Bundar at ferry wharf, Mazgaon by Mumbai Port Authority
7. Name of Company/Organization	MUMBAI PORT TRUST
8. Location of Project	MAHARASHTRA
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 11/10/2023

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (MAHARASHTRA)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/INFRA1/411315/2022
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
Mumbai Port Authority (MbPA),
Mallet Bunder, Ferry wharf,
Mazgaon, Mumbai.

Subject : Environmental clearance for Proposed Construction of New Fish Terminal with Approach Trestle at Mallet Bunder at Ferry wharf. Mazgaon by Mumbai Port Authority (MbPA).

Reference : Application no. SIA/MH/INFRA1/411315/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 257th meeting under screening category 7 (e) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 265th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 25.08.2023.

2. Brief Information of the project submitted by you is as below:-

Sr. No.	Particulars Required	Details
1	Name of the project & Address along with all corner latitude and longitude	Construction of New Fish Terminal with Approach Trestle at Mallet Bunder at Bhaucha Dhakka (Ferry Wharf), Mazgaon Mumbai Mumbai Port Authority Site Coordinates: Latitude 18°57'32"N Longitude 72°51' 03" E
2	Type of Organization (Private / Government/ SemiGovernment etc.)	Central Government
3	Correspondence Address and contact details of Project Proponent	A.P.B Mattoo Chief Engineer (CE), Mumbai Port Authority Chief Engineering Department, Port House, 3 rd Floor, S.V. Marg, Mumbai-400001 Phone: 022-66564031 E-mail: chiefengineer@mumbaiport.gov.in
4	Type of project (ToR/EC/Amendment in ToR/ Amendment in EC/ Revalidation/ Expansion/ Process change etc.)	Fresh EC

5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A,B,B1,B2 etc. whichever is applicable)	B1	
6	If earlier ToR is obtained pl. mention details (ToR Letter No. & Date, SEAC/EAC Meeting No.)	ToR Letter No. SIA/MH/MIS/49313/2020 Dated 29/05/2020 has been issued by SEIAA. State Expert Appraisal Committee (SEAC-1) appraised in its 179th meeting held during 19-20th February 2020.	
7	If earlier EC is obtained pls. mention EC Number & Date	NA	
8	Whether the proposal is a violation case (yes/no)	No	
9	Applicability of CRZ clearance (yes /no)	Yes	
10	Whether General /Specific Conditions are applicable to the project (Yes/No) If yes pl. give details	No	
11	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/No); If yes pl give payment details	-	
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	ULTRA TECH Environmental Consultancy & Laboratory 206, 224-225, Jai Commercial Complex, Eastern Express Highway, Khopat, Thane W Certificate/ Ext Letter No.: NABET/EIA/2023/RA0194_Rev 01 Valid Up to : 18.10.2023	
13	Name of layout plan approving Authority	Mumbai Port Authority (MbPA)	
14	Estimated cost of Project (in Rs. Lakhs)	9660 Lakhs	
15	Area of project (in Sq.m.)	16,431.6 sq.m.	
16	Whether 33% green belt is provided (Yes/No)	No. Proposed development is located inside marine area. However, 33% greenbelt will be developed under area of MbPA	
17	Area of Green Belt & No. of trees in the proposed project in Sq.m. (Pl. provide 2000 trees per hectare of green belt area)	The proposed project of construction of fish terminal is an offshore structure. Also, MbPA has developed green belt area within port area limits.	
18	Width of internal roads and turning radius	16 m	
19	Details of proposed construction	Total Built-up Area(in Sq.m)	13579.5
		No. of Buildings & its height in mtrs.	Details of Proposed Construction:

			<ol style="list-style-type: none"> 1. Approach Trestle- 250 m x 16.30 m 2. Landing Jetty- 131 x 61.50 3. Net mending shed 206.95 sqm 4. Fish market 200 sqm 5. Restaurant 268.16 sqm 6. Workshop 95.34 sqm 7. Toilet 53.50 and 67.73 sqm 8. Slopping hard 525 sqm 9. Security cabin 32.50 sq Fish Handling & Auction Hall- 2 Nos. (100m x 10.23 m)																																												
20	<p>List of Raw materials & Storage Details (Pl. add on in the list if necessary) Mumbai Port has proposed the “Construction of New Fish Terminal with Approach Trestle at Mallet Bunder” near the existing fish terminal. Only the construction raw materials will be available in the construction phase.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Construction Material</th> <th>Quantity</th> <th>UoM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Aluminum</td> <td>0.75</td> <td>MT</td> </tr> <tr> <td>2</td> <td>Sand</td> <td>15000</td> <td>MT</td> </tr> <tr> <td>3</td> <td>Plaster</td> <td>15000</td> <td>Sq. M</td> </tr> <tr> <td>4</td> <td>Cement</td> <td>9130</td> <td>MT</td> </tr> <tr> <td>5</td> <td>Aggregates</td> <td>45000</td> <td>MT</td> </tr> <tr> <td>6</td> <td>Bricks/ Sipore</td> <td>200000</td> <td>Nos.</td> </tr> <tr> <td>7</td> <td>Paint</td> <td>0.71</td> <td>MT</td> </tr> <tr> <td>8</td> <td>Steel</td> <td>3940</td> <td>MT</td> </tr> <tr> <td>9</td> <td>Binding wire</td> <td>0.25</td> <td>MT</td> </tr> <tr> <td>10</td> <td>Tiles Granite/Marble</td> <td>6500</td> <td>Sq. M</td> </tr> </tbody> </table>	Sr. No.	Construction Material	Quantity	UoM	1	Aluminum	0.75	MT	2	Sand	15000	MT	3	Plaster	15000	Sq. M	4	Cement	9130	MT	5	Aggregates	45000	MT	6	Bricks/ Sipore	200000	Nos.	7	Paint	0.71	MT	8	Steel	3940	MT	9	Binding wire	0.25	MT	10	Tiles Granite/Marble	6500	Sq. M		
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21	<p>Production Details Mumbai Port has proposed the “Construction of New Fish Terminal with Approach Trestle at Mallet Bunder” near the existing fish terminal. It will be only handling Fishing related activity.</p>																																														
22	<p>Water Consumption & Effluent generation (All units in CMD) Source & Qty of water requirement (in CMD) : In construction Phase: Total Water requirement : 10 CMD Source of water is Municipal Corporation of Greater Mumbai (MCGM) Method of water withdrawal : Tanker Water In Operational Phase: Total water requirement : 412 CMD</p>																																														

	<p>Fresh water requirement : 244 CMD Total effluent generation : 187 CMD Effluent will be generated from Fish washing, Cleaning of Area - Auction Hall and Cleaning of Fish boxes etc. Treated water from ETP after tertiary treatment : 168 CMD Treated water will be reused for fish washing, cleaning of area- auction hall and cleaning of fish boxes. Source of water will be met from MCGM through pipeline. Water supply permission obtained (Yes/No) & approving Authority: No, As Water demand will be met from existing connection.</p>	
23	Quantity of sewage generation (in CMD)	187 CMD
24	Details of Sewage Treatment and Disposal of treated sewage:	168 CMD MBBR technology 100% treated water will be utilized for cleaning floors, fish boxes and flushing
25	<p>Detail of Effluent Generation (unit CMD) Total Effluent Generation : 187 CMD Effluent will be generated from Fish washing, Cleaning of Area - Auction Hall and Cleaning of Fish boxes etc. Treated water from ETP after Tertiary Treatment : 168 CMD Treated water will be reused for fish washing, cleaning of area- auction hall and cleaning of fish boxes.</p>	
26	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes, There will be no disposal of treated effluent. The treated water will be used for fish washing, cleaning of area - auction hall and cleaning of fish boxes.
27	Brief Description of Effluent Treatment scheme	MBBR technology
28	Qty of treated effluent proposed to be sent to CETP(pl. mention Name of CETP and its membership Details)	NA
29	Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB	
	Parameter	Inlet concentration (Mg/L)
		Outlet concentration (mg/L)
	PH	6.5 to 7.7
	TSS	52 to 8050
	TDS	-
	COD	65 to 640
	BOD	32 to 260

	Heavy metals	-	-				
	Benzene	-	-				
	other if any	-	-				
30	Brief Note on proposed Rainwater harvesting scheme along with budget allocation:		Not Applicable.				
31	Solid Waste management of MbPA						
	Sr. No.	Hazardous Waste	Quantity	UoM			
	1	3.1 cargo residue, washing water and sludge containing oil	1659	MT/A			
	2	3.3 Sludge and filters contaminated with oil	541	MT/A			
	3	5.1 Used or spent oil	124	MT/A			
	Sr. No.	Non Hazardous Waste	Quantity	UoM			
1	Solid Waste	10	MT/Day				
	Disposal						
				Giving to MPCB authorized recycler			
				Giving to MPCB authorized recycler			
				Giving to MPCB authorized recycler			
				Erection of Treatment facility in under process			
32	Hazardous Waste Generation & Disposal (As per HW Rule 2016) of MbPA						
	Sr. No.	Hazardous Waste	Quantity	UoM			
	1	3.1 cargo residue, washing water and sludge containing oil	1659	MT/A			
	2	3.3 Sludge and filters contaminated with oil	541	MT/A			
	3	5.1 Used or spent oil	124	MT/A			
	DispAnnexure C osa						
				Giving to MPCB authorized recycler			
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33	Fuel Consumption						
	Sr.No.	Type of Fuel	Consumption Qty (TPD)	Use d for (Boiler/ DG Set etc)	Ash%	So2%	Air pollution control /equipment provided (Yes/No)

		Existing	Proposal	Total		Existing	Total	Existing	Proposed	Total	
1	NA	-	-	-	-	-	-	-	-	-	-
34	Brief Note on Air Pollution Control equipment's										
Stack Details (Also include process vent details)											
Sr. No.	Section /Unit	Source pollutions	Stack No.	Stack height	Height form ground	Internal Diameter (inch)	Temperature of exhaust gas				
35	DG Set (160 KVA)	-	1 No.	2.5	-	-	-				
36	<p>Energy</p> <p>a) Source of power Supply: The existing is 20 KW power supply will be used. No additional power requirement is proposed.</p> <p>b) Maximum Demand (KVA): NA</p> <p>c) whether DG sets will be provided (Yes/No): Yes</p> <p>if yes :</p> <p>1 Nos. of 160 KVA DG Set will be used</p> <p>Stack Height: 2.5 m</p> <p>Please Mention if high tension line is passing through the plot : Yes /No : Not Applicable</p>										

	If yes, pl. give details of safety measures adopted:	
37	Details of use of renewable energy with budget allocation Total Energy Demand 60 KVA Proposed renewable energy source capacityKVA: 60 KVA Proposed Budget (in Rs. Lakhs): 4 Lakhs Timeline for implementation: 2 months	
38	Details of public hearing (if applicable) Place of public hearing: Reynold's Institute. Reynold's Road, Tejas Nagar Colony, Wadala (East), Mumbai - 400 037, Maharashtra. Date of public hearing: 28th September 2022 at 12.00 noon Public hearing proceedings are attached with EIA	
39	Environment Management Plan – Detailed EMP for construction and operation phase is attached as Annexure	
40	Other Relevant Information : (Pl. provide brief note on proposed project)	-
41	Details of skill development program within Organization	-
42	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)	NABL accredited laboratory is engaged for environmental monitoring. Monitoring reports are submitted along with six monthly compliance
43	Details of court cases if pending in any Hon'ble court	Not Applicable

3. The proposal has been considered by SEIAA in its 265th (Day-2) meeting held on 25.08.2023 and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP shall strictly follow the permission and conditions granted under CRZ clearance.
2. No solid/liquid waste be disposed off in marine area.
3. PP to ensure to implemtn the sediment quality improvement plan in association with other industries in the area like JNPA, MbPA, BPCL, HPCL, ONGC, IOCL, Tata Power and others.
4. PP to implement all recommendations of the Zoo and Phyto Plankton status study report.
5. PP to prepare awareness program for daily users to make them aware of the pollution control needs.
6. PP to obtain all necessary NOC's/permission from the local body /Authority before taking any effective step on site.
7. PP to provide adequate parking within the proposed area considering daily vehicular movement; in no case the vehicles be parked on public road outside the premises.
8. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.

SEIAA Conditions

1. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
2. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
3. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
4. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
5. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
6. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
7. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
8. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
9. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50 % of the total fuel requirement to the boiler.
10. PP to provide roof top Rain Water Harvesting facility.
11. PP to ensure that proposed project is ZLD.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra

- Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
 - IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
 - V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
 - VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
 - VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
 - VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
 - IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
 - X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
 - XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
 - XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Mumbai City.
7. Regional Officer, Maharashtra Pollution Control Board, Mumbai.