



सत्यमेव जयते

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-2016/C.R.424/TC-1 Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: April 18, 2017

To,  
**Construction of Coastal Berth and Approach bridges at Jawaharlal Nehru Port**  
at Between IVth container terminal berth and existing landing jetty at Jawaharlal Nehru Port

Subject: Environment Clearance for Construction of Coastal Berth and Approach bridges

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 7th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its SEIAA meeting no 108th meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category Not applicable as per EIA Notification 2006.

### Brief Information of the project submitted by you as below

1. Name of Project	Construction of Coastal Berth and Approach bridges at Jawaharlal Nehru Port
2. Type of institution	Government
3. Name of Project Proponent	Jawaharlal Nehru Port Trust
4. Name of Consultant	Fine Envirotech Engineers
5. Type of project	Not applicable
6. New project/expansion in existing project/modernization/diversification in existing project	New Project
7. If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8. Location of the project	Between IVth container terminal berth and existing landing jetty at Jawaharlal Nehru Port
9. Taluka	Uran
10. Village	Sheva
11. Area of the project	Not applicable
12. IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area: 00
13. Note on the initiated work (If applicable)	Not applicable
14. LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15. Total Plot Area (sq. m.)	Not applicable
16. Deductions	Not applicable
17. Net Plot area	Not applicable
18. Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): Not applicable
19. Total ground coverage (m2)	Not applicable
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21. Estimated cost of the project	1702000000

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2017 ( SEIAA-STATEMENT-0000000077 )  
SEIAA-MINUTES-0000000013  
SEIAA-EC-0000000018

(S. M. Gavai)  
Member Secretary, SEIAA  
Shri Satish.M.Gavai (Member  
Secretary SEIAA)

22. Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

23. Total Water Requirement		
Dry season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	Not applicable
	Fire fighting - Underground water tank (CMD):	Not applicable
	Fire fighting - Overhead water tank (CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	Not applicable
	Fire fighting - Underground water tank (CMD):	Not applicable
	Fire fighting - Overhead water tank (CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

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### 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	00	70	70	00	00	00	00	63	63

<b>25.Rain Water Harvesting (RWH)</b>	Level of the Ground water table:	Not applicable
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable
	Details of UGT tanks if any:	Not applicable
<b>26.Storm water drainage</b>	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
<b>27.Sewage and Waste water</b>	Sewage generation in KLD:	63
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP GRAMED
	Location & area of the STP:	Behind Township
	Budgetary allocation (Capital cost):	11000000
	Budgetary allocation (O & M cost):	750000

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28.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Approx. 78,000 cum soil. Approx. 61,000 cum rock is expected to be dredged from the proposed area
	Disposal of the construction waste debris:	The construction debris will be utilized for filling low lying areas. Rest solid waste will be stored in isolated areas and will be disposed off through MPCB approved contractor
Waste generation in the operation Phase:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	10 Kg/d
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	will be disposed as per guidelines
	Others if any:	Not applicable
Area requirement:	Location(s):	Between 17th container terminal berth and existing landing jetty
	Area for the storage of waste & other material:	Around 45.6 hectore area will be provided behind berth as storage.
	Area for machinery:	00
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	00
	O & M cost:	1702000

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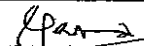
29. Effluent Characteristics					
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	00	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		00			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

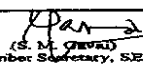


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(S. M. Gavai)  
Member Secretary, SEIAA.  
Shri Satish.M.Gavai (Member  
Secretary SEIAA)

30. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	00	Not applicable	Not applicable	00	Not applicable
31. Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
32. Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Not applicable	00	00	00			
Source of Fuel		MSEDC through JNPT Electric Department					
Mode of Transportation of fuel to site		Bunkering					
33. Energy							
Power requirement:	Source of power supply:	MSEDC through JNPT Electric Department					
	During Construction Phase (Demand Load):	00					
	DG set as Power back-up during construction phase	sets of 125 Kv each					
	During Operation phase (Connected load):	350 KW					
	During Operation phase (Demand load):	350 KW					
	Transformer:	Not applicable					
	DG set as Power back-up during operation phase:	00					
	Fuel used:	diesel					
Details of high tension line passing through the plot area:		not applicable					
34. Energy saving by non-conventional method:							
not applicable							
36. Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures	Saving %					
1	Not applicable	Not applicable					
37. Details of pollution control Systems							
Source	Existing pollution control system	Proposed to be installed					
Dust generation due to construction activities	JNPT conduct monthly monitoring of all attributes to keep check on increasing level	NPT conduct monthly monitoring of all attributes to keep check on increasing level					
increas in Noise levels due to construction activities	NPT conduct monthly monitoring of all attributes to keep check on increasing level	NPT conduct monthly monitoring of all attributes to keep check on increasing level					
SEIAA Meeting No: SEIAA meeting no 108 Meeting Date: April 7, 2017 ( SEIAA-STATEMENT-0000000077 ) SEIAA-MINUTES-0000000013 SEIAA-EC-0000000018				Page 6 of 10		 (S. M. Gavai) Member Secretary, SEIAA Shri Satish M. Gavai (Member Secretary SEIAA)	

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10000000
	O & M cost:	2500000

### 38. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	According to the MPCB guidelines	19
2	Water Environment	According to the MPCB guidelines	22
3	Noise Environment	According to the MPCB guidelines	13
4	Mangrove Management	Ain consultation with forest department	56
5	Mangrove Management	Ain consultation with forest department	56
6	Training and Education	training and education programmes for staff, workers and local peoples	11

#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. in Lacs	Operational and Maintenance Cost (Rs. in Lacs/yr)
1	Air Environment	According to the MPCB guidelines	18	00
2	Water Environment	According to the MPCB guidelines	16	00
3	Noise Environment	According to the MPCB guidelines	7	00
4	Mangrove Management	in consultation with forest department	22	00
5	Mangrove Management	in consultation with forest department	22	00
6	Training and Education	training and education programmes for staff, workers and local peoples	3	00

### 39. Storage of chemicals (Inflammable/explosive/hazardous/toxic substances)


Description	Status	Location	Storage Capacity in MT	Maximum Quantity Storage at any point of time in MT	Consumption Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Any Other Information

No Information Available

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(S. M. Gaval)  
Member Secretary, SEIAA  
Shri Satish M. Gaval (Member Secretary SEIAA)

	<b>CRZ/ RRZ clearance obtain, if any:</b>	proposal was considered in 114th MCZMA meeting and recommended to SEIAA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not applicable
	<b>Category as per schedule of EIA Notification sheet</b>	Not applicable
	<b>Court cases pending if any</b>	Not applicable
	<b>Other Relevant Informations</b>	Not applicable
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	

3. The proposal has been considered by SEIAA in its SEIAA meeting no 100th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

**Specific Conditions:**

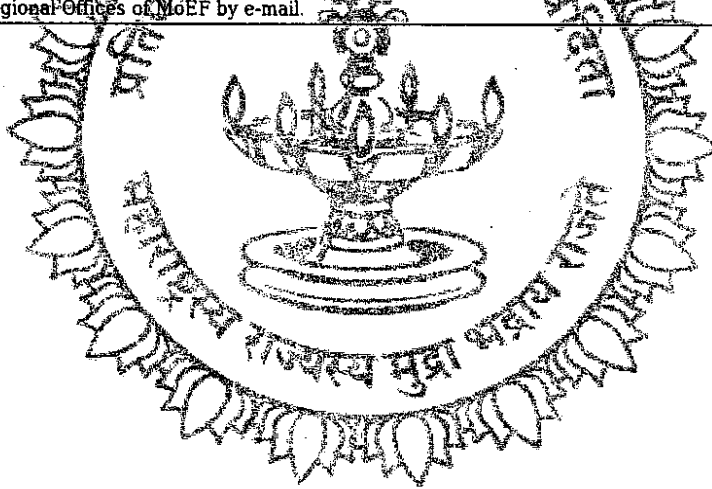
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**General Conditions:**

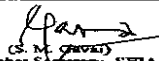
I	(i)BP to achieve Zero Liquid Discharge. BP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68m stack.
III	No additional land shall be used/acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
V	Proper Housekeeping programmes shall be implemented.
VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
IX	Arrangement shall be made that effluent and storm water does not get mixed.
X	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
XI	Noise level shall be maintained as per standards from people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XII	The overall noise levels in and around the plant are 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 shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XIII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.
XIV	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XVI	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVII	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVIII	
XIX	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.



XXI	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXII	The project management 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 clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
XXIII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIV	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXVI	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVII	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.



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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 Environmental 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.

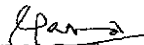
7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

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 environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-7 Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



  
(S. M. Gavai)  
Member Secretary, SEIAA

Shri Satish M. Gavai (Member Secretary SEIAA)

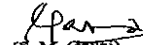
**Copy to:**

1. SHRI ANAND. B. KULKARNI, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SECRETARY MOEF & CC
4. IA- DIVISION MOEF & CC
5. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
6. MUNICIPAL COMMISSIONER NAVI MUMBAI
7. REGIONAL OFFICE MPCB RAIGAD
8. REGIONAL OFFICE MIDC RAIGAD
9. COLLECTOR OFFICE RAIGAD

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