



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: March 30, 2019

To,  
**Mr. Suresh Raju V, Maharashtra State Road Development Corporation**  
at C.T.S. No.962, 1053, 1211, 1213 at Juhu Koliwada

**Subject:** CRZ Clearance for Temporary casting yard establishment at Juhu Koliwada for Versova Bandra Sea link project by MSRDC

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered, by the Maharashtra Coastal Zone Management Authority, Maharashtra in its th meeting and recommend the project for CRZ Clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 159th meetings.


2. It is noted that the proposal is considered by Maharashtra Coastal Zone Management Authority as per CRZ Notification 2011.

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

1.Name of Project	Temporary casting yard establishment at Juhu Koliwada for Versova Bandra Sea link project by MSRDC
2.Type of institution	Government
3.Name of Project Proponent	Mr. Suresh Raju V, Maharashtra State Road Development Corporation
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Temporary casting yard establishment at Juhu Koliwada
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether CRZ Clearance has been obtained for existing project	NA
8.Location of the project	C.T.S. No.962, 1053, 1211, 1213 at Juhu Koliwada
9.Taluka	mumbai
10.Village	juhu
Correspondence Name:	Mr. Suresh Raju V
Room Number:	-
Floor:	-
Building Name:	Maharashtra State Road Development Corporation
Road/Street Name:	Opp. Bandra Reclamation Bus Depot,
Locality:	Near Lilavati Hospital,
City:	Bandra (W), Mumbai 400050, Maharashtra
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:

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13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	50000 m2
16.Deductions	Not applicable
17.Net Plot area	50000 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>FSI area (sq. m.):</b> Not applicable
	<b>Non FSI area (sq. m.):</b> Not applicable
	<b>Total BUA area (sq. m.):</b>
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> Not applicable
	<b>Approved Non FSI area (sq. m.):</b> Not applicable
	<b>Date of Approval:</b> 01-03-2019
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	120000000



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## 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

<b>Dry season:</b>	Source of water	MCGM
	Fresh water (CMD):	09
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	09
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	The treated water will be used for dust suppression within the site premises.
<b>Wet season:</b>	Source of water	MCGM
	Fresh water (CMD):	09
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	09
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	The treated water will be used for dust suppression within the site premises.
<b>Details of Swimming pool (If any)</b>	Not applicable	

## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA

<b>25.Rain Water Harvesting (RWH)</b>	Level of the Ground water table:	0.5-1 M
	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 :	Temporary storage tanks will be provided.

<b>26.Storm water drainage</b>	Natural water drainage pattern:	towards West.
	Quantity of storm water:	3000 m3/hour
	Size of SWD:	adequate SWD will bw provided within casting yard premises

<b>27.Sewage and Waste water</b>	Sewage generation in KLD:	08
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of capacity 10 KLD
	Location & area of the STP:	on ground (20 m2)
	Budgetary allocation (Capital cost):	5 lakhs
	Budgetary allocation (O & M cost):	1 lakh

## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Not applicable
	<b>Disposal of the construction waste debris:</b>	Not applicable
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	40 kg/day
	<b>Wet waste:</b>	60 kg/day
	<b>Hazardous waste:</b>	used oil from D.G Sets
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	0.1 Kg/day
	<b>Others if any:</b>	plastic waste and E-waste
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	will be handed over to Authorised Recycler
	<b>Wet waste:</b>	will be composted
	<b>Hazardous waste:</b>	will be handed over to Authorised Recycler
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	will be composted
	<b>Others if any:</b>	E-waste and Plastic waste will be handed over to Authorised Recyclers
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	20 m <sup>2</sup>
	<b>Area for machinery:</b>	10 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	4 Lakh
	<b>O &amp; M cost:</b>	1 Lakh

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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
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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### 30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	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	Not applicable	Not applicable	Not applicable

33. Source of Fuel: Not applicable

34. Mode of Transportation of fuel to site: Not applicable

### 35. Energy

<b>Power requirement:</b>	Source of power supply :	ADANI Energy LTD
	During Construction Phase: (Demand Load)	1000 kVA
	DG set as Power back-up during construction phase	1 X 500 kVA
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

#### 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			
Not Applicable	Not Applicable			Not Applicable			
Budgetary allocation (Capital cost and O&M cost):	Capital cost:		Not Applicable				
	O & M cost:		Not Applicable				
38.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	dust suppression measures	-	12				
2	safety Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	6.5				
3	site sanitation	Toilets and STP	7.5				
4	Health check-up & first aid	-	2.0				
5	Safety - Training to Workers (Twice in Year), Safety Officer	-	4.5				
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leg day time and Night Time	4				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable			
39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of 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							



	<b>CRZ/ RRZ clearance obtain, if any:</b>	CRZ Clearance for the Versova Bandra Sea link (VBSL) project has been accorded as per the provisions of Coastal Regulation Zone Notification, 2011 by MoEF vide letter F.No. 11-84/2011-IA-III dated 9th January 2013. There will be temporary requirement of casting yard (approx. 5 -6 Ha) on 8.5 hectares of land at C.T.S. No.962, 1053, 1211, 1213 at Juhu Koliwada for undertaking civil works for the VBSL project.
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Said land comes under CRZ I (i) & partly in CRZ II. As the said plot for casting yard has mangrove cover of about 8389 m2. It is proposed to be preserved by barricading with temporary Mild Steel Fencing of 20 feet height.
	<b>Category as per schedule of EIA Notification sheet</b>	Not applicable
	<b>Court cases pending if any</b>	No Court cases are pending.
	<b>Other Relevant Informations</b>	The Said land Belongs to Government. It is being transferred to MSRDC for casting yard which is temporary in nature. After construction of Sea link said land will be brought to original and handed over to Government. The said land is in CRZ (i) & CRZ II as per CZMP classification. The Maharashtra State Road Development Corporation (MSRDC) is assuring that once the work is completed the land will be restored to its original form i.e. vacant.
	<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 159th meeting & decided to accord CRZ Clearance to project proponent under the provisions of Environment Impact Assessment Notification, 2006 & CRZ Notification 2011 subject to implementation of the following terms and conditions:**

**Specific Conditions:**

<b>I</b>	The proposed construction should be carried out strictly as per the provisions of CRZ Notification, 2011 (as amended from time to time) and guidelines/ clarifications given by MoEF from time to time.
<b>II</b>	This CRZ recommendation is for temporary casting yard for a period of 5 years Only. After 5 years, the MSRDC should restore the site to its original condition.
<b>III</b>	MSRDC to strictly ensure that casting yard activities should be restricted to CRZ II areas only, as per the approved CZMP of the Greater Mumbai. No activities are allowed in CRZ I areas.
<b>IV</b>	MSRDC to strictly ensure that construction of the casting yard is not proposed in mangroves or its 50 m mangrove buffer zone area. All the necessary measures should be taken to protect the mangroves.
<b>V</b>	There shall not be violation of the Hon'ble High Court order dated 17th September, 2018 passed in PIL 87/2006.
<b>VI</b>	MSRDC to ensure that activities to be carried out without damaging the coastal-geomorphological features of the area.
<b>VII</b>	Debris/ solid waste should not be dumped in the CRZ area and beach area. It should be disposed in a scientific manner at a predetermined designated site.
<b>VIII</b>	No chemical manufacturing, processing / treatment shall be allowed.
<b>IX</b>	Hazardous and toxic waste generated due to casting yard related activities should not be released into the sea/ creek & should be transported to the authorised agency as contemplated under the provisions of the Hazardous Waste (M & H) Rules.
<b>X</b>	Noise level during operation phase should not exceed the permissible limit.
<b>XI</b>	Best engineering practices & construction should be followed for fire safety measures and for conservation of coastal environment.
<b>XII</b>	MSRDC should ensure that livelihood activities of the fishermen communities should not be hampered due to project activities.

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<b>XIII</b>	Untreated sewage effluent should not be discharged into the coastal water body. Project proponent should take all effective steps for protection of environment.
<b>XIV</b>	Environment Management Plan should be implemented effectively during construction and operation phase of the project.
<b>XV</b>	All other required permission from different statutory authorities should be obtained.
<b>XVI</b>	This is only CRZ Clearance.

**General Conditions:**

<b>I</b>	The SEIAA reserves the right to revoke this recommendation, if the conditions stipulated are not complied with to the satisfaction of the MCZMA or Environment Department.
<b>II</b>	The SEIAA or any other competent authority, may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with
<b>III</b>	A copy of the recommendation letter shall be marked to the concerned local body/ local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal
<b>IV</b>	The environmental safeguard measures should be implemented in letter and spirit
<b>V</b>	The Clearance from CRZ point of view 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



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4. The CRZ 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 CRZ 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. This Clearance will be valid for 5 years from the date of issue of recommendation for commencement of construction & operation.
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 CRZ 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.

  
Shri. Anil Diggikar (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER MUMBAI
10. MUNICIPAL COMMISSIONER NAVI MUMBAI
11. REGIONAL OFFICE MPCB MUMBAI
12. REGIONAL OFFICE MPCB NAVI MUMBAI
13. REGIONAL OFFICE MIDC ANDHERI
14. REGIONAL OFFICE MIDC KOPER KHAIRANE NAVI MUMBAI
15. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
16. COLLECTOR OFFICE MUMBAI
17. COLLECTOR OFFICE MUMBAI SUB-URBAN