



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: April 23, 2019

To,
National Highways Authority of India
at Proposed Bridge will be constructed on Versova creek on Ulhas river near Ghodbunder on NH-8 in the state of Maharashtra

Subject: Environment Clearance for Construction of New bridge across Varsova Creek along NH-8
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 th 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 159th meetings.

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 is as below :-

1.Name of Project	Rehabilitation and Expansion of NH-8 from km 496+100 to km 498+350 ?Construction of New bridge across Varsova Creek along NH-8
2.Type of institution	Government
3.Name of Project Proponent	National Highways Authority of India
4.Name of Consultant	M/s Intercontinental Consultants and Technocrats Pvt. Ltd.
5.Type of project	Others
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	Proposed Bridge will be constructed on Versova creek on Ulhas river near Ghodbunder on NH-8 in the state of Maharashtra
9.Taluka	Thane & Vasai
10.Village	Varsova village & Sasunavgarh village
11.Whether in Corporation / Municipal / other area	in Mira Bhayandar and Vasai Virar Municipal Corporation, Maharashtra.
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area:
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

SEIAA Meeting No: 159 Meeting Date: March 2, 2019 (SEIAA-STATEMENT-0000000173)
SEIAA-MINUTES-0000001794
SEIAA-EC-0000001457

Shri. Anil Diggikar (Member Secretary SEIAA)

17.Net Plot area	Not applicable
18 (a).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
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
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	2470200000



Government of Maharashtra

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			

24.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
25.Rain Water Harvesting (RWH)	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						
26.Storm water drainage	Natural water drainage pattern:		Please refer Section-3.4.3 Drainage Pattern of Chapter-3 of EIA Report						
	Quantity of storm water:		Not Applicable						
	Size of SWD:		Not Applicable						
27.Sewage and Waste water	Sewage generation in KLD:		Estimated Sewage generation is 3.6 KLD from the labour camp						
	STP technology:		? Sewage from labour camp shall be treated in packaged sewage treatment plant or septic tank. 3.24 KLD of treated water can be reused for flushing, washing etc.						
	Capacity of STP (CMD):		Not Applicable						
	Location & area of the STP:		Construction Camp						
	Budgetary allocation (Capital cost):		Not Applicable						
	Budgetary allocation (O & M cost):		Not Applicable						

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Municipal solid waste of 20 kg/day is likely to be generated from the construction camp of 100 labours @200 grams per capita
	Disposal of the construction waste debris:	Approved dumping Area
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):	Not Applicable
	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):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Not Applicable
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

Government of
Maharashtra

29.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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			



Government of Maharashtra

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		
Power requirement:	Source of power supply :	The power supply is proposed to be sourced from Maharashtra State Electricity Distribution Company Ltd.
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	yes
	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:	Diesel
	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	Mitigation Cost	Environment	1631500				
2	Monitoring Cost	Environment	252000				
3	Training and Environmental Awareness	Environment	200000				
4	Disaster Management Plan	Environment	1000000				
5	Mangrove Conservation Program	Mangrove Conservation	250000				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Monitoring Cost	Environment	1204000	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							

	CRZ/ RRZ clearance obtain, if any:	Application submitted for CRZ Clearance
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park is located within 15 kms of proposed project location boundary. The nearest distance is 65 m from Chainage 497+700
	Category as per schedule of EIA Notification sheet	Not Applicable
	Court cases pending if any	None
	Other Relevant Informations	CRZ area : 1.8525 ha CRZ IA: 0.9708 ha CRZ III: 0.1755 ha CRZ IV: 0.7062 ha
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 159th 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:

I	The conditions imposed by the MOEF&CC in its clearance dated 4th August 2017, especially the condition at serial no xxvi to be strictly followed
II	The conditions imposed by the MOEF&CC in its clearance dated 4th August 2017, especially the condition at serial no xxvi to be strictly followed.
III	PP should ensure that proposed activities in CRZ areas are as per provisions of CRZ Notification, 2011 (amended time to time).
IV	PP to ensure that tidal flow of the coastal water bodies should not be hampered due to proposed expansion of NH 8.
V	No reclamation of coastal water bodies is allowed.
VI	PP to ensure that proper disaster management plans is in place for the proposed activities.
VII	PP should restore the site after completion of the proposed activities.
VIII	PP should carry out compensatory mangrove re-plantation and submit the plan.
IX	PP should obtain prior permission from Mumbai High Court for cutting of mangrove.
X	PP to implement the Environment Management Plan & recommendations of EIA during implementation and operation phase of the project.
XI	PP should obtain the permission from Forest Department, if applicable.
XII	All other required permissions should be obtained before the commencement of the project.
XIII	This is only CRZ clearance as per provisions of CRZ Notification, 2011

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	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.

VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	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.
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XI	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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	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.
XIII	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.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	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.
XVII	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.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	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
XX	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 http://ec.maharashtra.gov.in
XXI	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.
XXII	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.
XXIII	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 ₂ , NO _x (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.
XXIV	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.
XXV	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.

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, 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 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.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER THANE
6. REGIONAL OFFICE MPCB THANE
7. REGIONAL OFFICE MIDC AMBERNATH
8. REGIONAL OFFICE MIDC THANE
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
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