



## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: June 24, 2020

To,  
**Jawaharlal Nehru Port Trust**  
at Sawarkhar, Karal, Sonari & Jaskahar

**Subject:** Environment Clearance for Amendment in the existing Environment clearance for development of port based Multi product SEZ at Jawaharlal Nehru Port Trust (JNPT) Area (Phase I)

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 180th 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 195th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category 8 (b) township and area development projects as per EIA Notification 2006.

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

1.Name of Project	Amendment in the existing Environment clearance for development of port based Multi product SEZ at Jawaharlal Nehru Port Trust (JNPT) Area (Phase I)
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	Modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, vide Environmental Clearance no. SEAC-2014/CR-302/TC2 dated 05.12.2014
8.Location of the project	Sawarkhar, Karal, Sonari & Jaskahar
9.Taluka	Uran
10.Village	Sawarkhar, Karal, Sonari & Jaskahar
Correspondence Name:	Mr. S. V. Madbhavi
Room Number:	Office of the CMPPD
Floor:	2nd Floor
Building Name:	Jawaharlal Nehru Port Trust, Administration Building
Road/Street Name:	Jawaharlal Nehru Port Trust
Locality:	Sheva
City:	Uran, Navi Mumbai
11.Whether in Corporation / Municipal / other area	Jawaharlal Nehru Port Area
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 2000000
13.Note on the initiated work (If applicable)	Short not attached
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	277.38 Ha
16.Deductions	Not applicable

**SEIAA Meeting No: 195 Meeting Date: March 14, 2020 ( SEIAA-STATEMENT-000001860 )  
SEIAA-MINUTES-0000003170  
SEIAA-EC-0000002270**

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**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.): 2000000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 16-07-2014
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	4760000000



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## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Food processing: Sugar refining, Sugar, Flour mills (excluding Domestic Aatta Chakki), Malted food, Food including fruits and vegetable processing.	0	0	0
2	Engineering, Auto & Electrical- Electroplating, Galvanizing, Industry or process involving metal treatment or process such as pickling, surface coating, paint baking, paint stripping, heat treatment, phosphating or finishing, Iron and steel (involving processing from ore/scrap/integrated steel plants)	0	0	0
3	Pharmaceutical-Pharmaceuticals formulation	0	0	0
4	Paints-Synthetic resins, Paints & varnishes, Dye & Dye-intermediates, Pigments and intermediates	0	0	0
5	Lube-Lubricating oils, greases or petroleum - based products	0	0	0
6	Textiles-Synthetic fiber including rayon, tyre cord, polyester filament yarn, Surgical and medical products involving prophylactics and latex, Yarn and textile processing involving scouring, bleaching, dyeing, printing or any effluent/emission generating process, Industry or process involving foundry operations, Cotton spinning and weaving,	0	0	0
7	Tyres-Tyres and tubes Vulcanization/retreading/moulding	0	0	0

## 23. Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	MJP, CIDCO & Recycled
	<b>Fresh water (CMD):</b>	6996.5
	<b>Recycled water - Flushing (CMD):</b>	2557.5
	<b>Recycled water - Gardening (CMD):</b>	2030
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	13984
	<b>Fire fighting - Underground water tank(CMD):</b>	As per NBC Norms
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	2822.97

<b>Wet season:</b>	<b>Source of water</b>	MJP, CIDCO & Recycled
	<b>Fresh water (CMD):</b>	6996.5
	<b>Recycled water - Flushing (CMD):</b>	2557.5
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	11954
	<b>Fire fighting - Underground water tank(CMD):</b>	As per NBC Norms
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	4852.97
<b>Details of Swimming pool (If any)</b>	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	2557.50	0	2557.50	225.06	0	225.06	2332	0	2332
Industrial Process	5900.00	0	5900.00	531.00	0	531.00	5369	0	5369
Gardening	3699.83	0	3699.83	2214.89	0	2214.89	0	0	0
Fresh water requirement	6557.59	0	6557.59	625.08	0	625.08	3199.30	0	3199.30

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	1 to 2 meter
	<b>Size and no of RWH tank(s) and Quantity:</b>	8000 cum
	<b>Location of the RWH tank(s):</b>	Ground
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	3.16 Crores
	<b>Budgetary allocation (O &amp; M cost) :</b>	25 Lakhs
	<b>Details of UGT tanks if any :</b>	Not Applicable

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	West & South-West Side
	<b>Quantity of storm water:</b>	205368 m3/hr
	<b>Size of SWD:</b>	0.2x0.45x0.40x0.60, 0.50x0.7,0.60x0.9, 0.8x1.0, 0.9x1.2, 1.2x1.5 m

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	2638.55
	<b>STP technology:</b>	Sequencing Batch Reacto
	<b>Capacity of STP (CMD):</b>	6.5 MLD (2 MLD + 2 MLD + 2.5 MLD)
	<b>Location &amp; area of the STP:</b>	Processing Zone
	<b>Budgetary allocation (Capital cost):</b>	135872000
	<b>Budgetary allocation (O &amp; M cost):</b>	25

## 28.Solid waste Management

<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Solid Waste generated from domestic sources would be about 10.5 TPD (Existing) for processing zone and about 20.8 TPD (Existing) from Non-processing zone
	<b>Disposal of the construction waste debris:</b>	Construction and Demolition Waste Management Rules, 2016
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	9.816 TPD
	<b>Wet waste:</b>	14.724 TPD
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	The sludge from planned 2 STPs will be used as manure in gardening
	<b>Others if any:</b>	Not Applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	The solid waste would be disposed off as per Solid Waste Management Rules, 2016
	<b>Wet waste:</b>	The solid waste would be disposed off as per Solid Waste Management Rules, 2016
	<b>Hazardous waste:</b>	Hazardous waste will be disposed off as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	The sludge from planned 2 STPs will be used as manure in gardening
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Not Applicable
	<b>Area for the storage of waste &amp; other material:</b>	Not Applicable
	<b>Area for machinery:</b>	Not Applicable
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	50
	<b>O &amp; M cost:</b>	10

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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not Applicable	7-8	7-8	6.5-8.5
2	Suspended Solids	mg/l	250-300	upto 10	100
3	BOD 3 days 27 degree C	mg/l	350-400	Less than 10	100
4	COD	mg/l	450-600	upto 40	250
5	Oil & Grease	mg/l	10-20	Nil	10
6	Total Nitrogen	mg/l	40-70	Less than 10	100
7	Ammonical Nitrogen	mg/l	Not Applicable	Less than 1	50
8	Phosphate	mg/l	5-7	Less than 2	5
9	Residential Chloride	mg/l	Not Applicable	Less than 1	1
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	0	0	0	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	DG Set 15 X 100 kVA	Diesel	1 to 10	3.5	0.1	150	
2	DG Set 15 X 250 kVA	Diesel	11 to 20	4.9	0.20	150	
3	DG Set 16 X 500 kVA	Diesel	21 to 30	6.5	0.35	150	
4	DG Set 5 X 650 kVA	Diesel	31 to 32	7.5	0.45	150	
32.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Diesel	1409	0	1409			
Source of Fuel		Through Authorized Dealer					
Mode of Transportation of fuel to site		Road					
33.Energy							
<b>Power requirement:</b>	Source of power supply :	MSEDCL					
	During Construction Phase: (Demand Load)	4 MW					
	DG set as Power back-up during construction phase	1					
	During Operation phase (Connected load):	55 MVA					
	During Operation phase (Demand load):	55 MVA					
	Transformer:	Not Applicable					
	DG set as Power back-up during operation phase:	32					
	Fuel used:	Diesel					
Details of high tension line passing through the plot if any:	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			0			
37.Details of pollution control Systems							
Source	Existing pollution control system			Proposed to be installed			
Air	Stacks for DG sets			Not Applicable			
Water	Sewage Treatment Plant			Not Applicable			
Noise	Green Belt & acoustic enclosure to DG set			Not Applicable			



Budgetary allocation (Capital cost and O&M cost):	Capital cost:	0
	O & M cost:	0

### 38.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

#### 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 Pollution Control	Dust Suppression Measure, Stack etc.	0.75	0.15
2	Water Pollution Control	STP, SWD, RWH	68.05	3.0
3	Noise Pollution Control	Barricading	0.40	0.10
4	Environmental Monitoring & Management	Regular Monitoring	0	0.20
5	Occupational Health	PPE & Training	0	0.35
6	Green Belt	Tree Plantation	6.50	0.60
7	Solid Waste Management	Diposal of waste as per MSW Rules	1.0	0.50
8	Safety Measures Staff training & awareness	Provision of PPE/training etc	0	0.50
9	Rain Water Harvesting	Provision of rain water harvestng pits	3.16	0.25
10	Total	Not Applicable	79.86	5.75

### 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	0	0	0	Not Applicable	Not Applicable

### 40.Any Other Information

No Information Available

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	<b>CRZ/ RRZ clearance obtain, if any:</b>	Yes
	<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>	8 (b) township and area development projects
	<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 195th 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:**

<b>I</b>	PP to ensure that CER plan gets approved from District Collector.
<b>II</b>	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.

**General Conditions:**

<b>I</b>	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
<b>II</b>	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
<b>III</b>	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
<b>IV</b>	Proper Housekeeping programmers shall be implemented.
<b>V</b>	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 achieve.
<b>VI</b>	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
<b>VII</b>	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
<b>VIII</b>	Arrangement shall be made that effluent and storm water does not get mixed.
<b>IX</b>	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.
<b>X</b>	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.
<b>XI</b>	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.
<b>XII</b>	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.
<b>XIII</b>	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.
<b>XIV</b>	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
<b>XV</b>	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
<b>XVI</b>	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.
<b>XVII</b>	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.

<b>XVIII</b>	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
<b>XIX</b>	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-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
<b>XX</b>	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>
<b>XXI</b>	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.
<b>XXII</b>	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.
<b>XXIII</b>	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.
<b>XXIV</b>	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.
<b>XXV</b>	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 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. 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. REGIONAL OFFICE MPCB RAIGAD
10. REGIONAL OFFICE MIDC RAIGAD
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
12. COLLECTOR OFFICE RAIGAD

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