

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

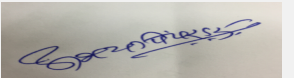
SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018

**Subject:** Environment Clearance for Establishment of Cement Blending Plant and Captive Jetty at Village Shahbaj, Tehsil Alibag in District Raigad, Maharashtra

**Is a Violation Case:** No

1.Name of Project	Raigad Cement Blending Plant and Captive Jetty
2.Type of institution	Private
3.Name of Project Proponent	Adani Cementation Limited
4.Name of Consultant	M/s INDOMER COASTAL HYDRAULICS PVT. LTD.
5.Type of project	Industry
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	NA
8.Location of the project	Survey No.: 333, 334, 335/A, 335/B, 335/K, 336, 337, 338, 339, 340, 341,342, 343, 344, 346. Village: Shahbaj, Near Amba River
9.Taluka	Alibag
10.Village	Shahbaj
Correspondence Name:	Adani Cementation Limited
Room Number:	Block - A
Floor:	10
Building Name:	Sambhav Building
Road/Street Name:	Judges Bungalow Road
Locality:	Bodakdev
City:	Ahmedabad
11.Area of the project	Other Area (Rural)
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	19.11 Ha. (Plant Area:12.47 Ha. + Conveyor & Jetty Area: 6.64 )
16.Deductions	NA
17.Net Plot area	19.11 Ha. (Plant Area:12.47 Ha. + Conveyor & Jetty Area: 6.64 )
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 191100
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)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	3468400000

## 22.Number of buildings & its configuration


  
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**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 1 of  
76**


Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	NA	NA	NA	
2	NA	NA	NA	
23.Number of tenants and shops	NA			
24.Number of expected residents / users	NA			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The CRZ area will be used only for (a) the right of way of conveyor between water front and blending unit (b) Road access to the plant from the Zila Parishad road			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per applicable norms			
29.Existing structure (s) if any	NA			
30.Details of the demolition with disposal (If applicable)	NA			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Cement (PPC, OPC, PSC & PSC)	0	167000	167000
<b>32.Total Water Requirement</b>				

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**


**Page 2 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Dry season:	Source of water	Through Tankers from near by suppliers
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	10 (Intermittent)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	Through Tankers from near by suppliers
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	10
	Fire fighting - Underground water tank(CMD):	10 (Intermittent)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	10	10	0	2	2	0	8	8


  
Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 3 of  
76


Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	2.0m bgl (Average)
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	Nil
	<b>Size of recharge pits :</b>	Nil
	<b>Budgetary allocation (Capital cost) :</b>	Nil
	<b>Budgetary allocation (O &amp; M cost) :</b>	Nil
	<b>Details of UGT tanks if any :</b>	Potable Water - Domestic: 20KLD (~2 Days Storage)
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Not Applicable, Plot area is flat adjoining to the intertidal zone. No natural dranaige system crossing through proposed plot area.
	<b>Quantity of storm water:</b>	13 KLD (Considering @100mm per hour peak rainfall)
	<b>Size of SWD:</b>	Drain Size Width 0.6 X Depth 0.3 (at Start ) with 1:300 slope
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	8
	<b>STP technology:</b>	SBR
	<b>Capacity of STP (CMD):</b>	No. of STP: 1, Capacity of STP: 10KLD
	<b>Location &amp; area of the STP:</b>	Location of STP: Above Ground Within Plant Premises, Area of STP: 400Sq Mt.
	<b>Budgetary allocation (Capital cost):</b>	Rs. 20 Lac
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs. 1 Lac
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	0.5MTPD (Max.)
	<b>Disposal of the construction waste debris:</b>	Construction debris like brick,blocks,PCC waste,concrete waste will be used for site filling,tiles,glass,metals waste will be sent to local recyclers/vendors.Pint cans will be sold to local vendors.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	10 KG/Day
	<b>Wet waste:</b>	5.0 KG/Day
	<b>Hazardous waste:</b>	0.5 KG/Day from Equipment Maintenance
	<b>Biomedical waste (If applicable):</b>	Nil
	<b>STP Sludge (Dry sludge):</b>	8 KG/Day
	<b>Others if any:</b>	e-waste .05 T / Year

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 4 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Recyclables like plastic, paper, glass and metal will be handled over to local recyclers.
	<b>Wet waste:</b>	Composting through Organic Waste Composter /treated in Mobi Trash & used at site/as manure
	<b>Hazardous waste:</b>	Collection & Disposal by Authorized Vendor
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as manure within the premises for plants. Excess shall be sold / handover to outside parties or gardens.
	<b>Others if any:</b>	Nil
<b>Area requirement:</b>	<b>Location(s):</b>	Area: 19.11 Ha. in Village: Shahbaj; Taluka: Alibaug; District: Raigad (Maharashtra)
	<b>Area for the storage of waste &amp; other material:</b>	100 sq mt.
	<b>Area for machinery:</b>	50000 Sq. mt.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 20,00,000
	<b>O &amp; M cost:</b>	Rs. 2,00,000

### 37. 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):		Nil			
Capacity of the ETP:		Nil			
Amount of treated effluent recycled :		Nil			
Amount of water send to the CETP:		Nil			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

### 38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Wastes or residues containing oil	5.2	kg	NA	0.5 KG Per Day	0.5 KG Per Day	Through Authorised TSDF

### 39. 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	NA	NA	NA	NA	NA	NA


### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	NA	NA	NA	NA
41. Source of Fuel		NA		
42. Mode of Transportation of fuel to site		NA		

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 5 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	6.3 Ha.
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	6300
	<b>List of proposed native trees :</b>	As per suggested name from competent authority
	<b>Timeline for completion of plantation :</b>	Within 1st 3 years of operation

#### 44.Number and list of trees species to be planted in the ground


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem/Bevu	2000	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
2	Ficus religiosa	Peepal	200	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
3	Pongamia pinnata	Karanj/ Indian Beech Tree	500	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
4	Tectona grandis	Teak	1000	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
5	Aegle marmelos	Bel	300	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
6	Grevillia robusta	Silver Oak	500	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise
7	Casuarina equisetifolia	Jhau	1000	Controlling Suspended Particulate Matter (SPM), SO <sub>2</sub> , NO <sub>x</sub> and Noise

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m <sup>2</sup>
1	NA	NA	NA

#### 47.Energy



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 6 of 76**



**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Nearest Sub Station at Penn/Alibag
	<b>During Construction Phase: (Demand Load)</b>	1000 KW
	<b>DG set as Power back-up during construction phase</b>	250 KW
	<b>During Operation phase (Connected load):</b>	3000 KW
	<b>During Operation phase (Demand load):</b>	2500 KW
	<b>Transformer:</b>	Not Required
	<b>DG set as Power back-up during operation phase:</b>	Not Required
	<b>Fuel used:</b>	Not Required
	<b>Details of high tension line passing through the plot if any:</b>	None

#### 48. Energy saving by non-conventional method:

1. Explore the possibility of Solar Lighting along road and common facility area of the proposed project
2. Illumination by LED

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Explore the possibility of solar lighting along road and common area within the plant premises	10 KW

#### 50. Details of pollution control Systems

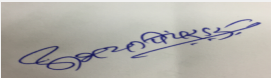
Source	Existing pollution control system	Proposed to be installed
Silo	Not Applicable	Dust Extraction System & Bag Filter
Sewage	Not Applicable	Sewage Treatment Plant

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 2 Crore (Approx.)
	<b>O &amp; M cost:</b>	Rs. 10 Lakhs/Year (Approx.)

### 51. Environmental Management plan Budgetary Allocation


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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Ambient Air Quality & Noise Level Monitoring	PM10, PM2.5, SO2, NO2, Noise Level	Rs. 2 .0 (Approx.)
2	Water Quality Monitoring	As per drinking water standard and Inland Surface Water Quality Standard	Rs. 2 .0 (Approx.)

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 7 of 76**

  
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

3	Dust Suppression	Major noise generating sources 24 hr	Rs. 2.5 (Approx.)
4	Green Belt Development	100 Trees	Rs. 0.5 (Approx.)
5	Workers Health & Welfare	Health & Sanitation, Education, etc.	Rs. 3.0(Approx.)
6	Maintenance of internal temporary road & drainage	Road & Drainage	Rs. 5.0 (Approx.)

**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 System	Bag Filters	200	10
2	Water Pollution Control System	Sewage Treatment and Water Quality Monitoring	25	5
3	Occupational Health & Safety	Workers	30	3
4	Green Belt Development	6000 Trees and Green Carpet Area	30	10
5	Environment Monitoring	PM10, PM2.5, SO2, NO2, Noise Level	30	10

**51.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
NA	NA	NA	NA	NA	NA	NA	NA

**52.Any Other Information**

No Information Available


**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	1
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**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 8 of 76**


Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**



Parking details:	Number and area of basement:	Nil
	Number and area of podia:	Nil
	Total Parking area:	10000 Sq. Mt.
	Area per car:	20 Sq. Mt.
	Area per car:	20 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	20
	Number of 4-Wheelers as approved by competent authority:	10
	Public Transport:	Nil
	Width of all Internal roads (m):	15 mt.
CRZ/ RRZ clearance obtain, if any:	To be applied	
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	There is no protected area (National Park, Wildlife Sanctuary, Conservation Reserve, Community Reserve) within 15km radius from the project area	
Category as per schedule of EIA Notification sheet	3(b)	
Court cases pending if any	None	
Other Relevant Informations	Nil	
Have you previously submitted Application online on MOEF Website.	No	
Date of online submission	-	

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 9 of 76**



**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Air Quality &amp; Noise Level issues</b>	Not Applicable
<b>Energy Management</b>	Not Applicable
<b>Traffic circulation system and risk assessment</b>	Not Applicable
<b>Landscape Plan</b>	Not Applicable
<b>Disaster management system and risk assessment</b>	Not Applicable
<b>Socioeconomic impact assessment</b>	Not Applicable
<b>Environmental Management Plan</b>	Not Applicable
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

### DECISION OF SEAC

During deliberations with the PP and their accredited consultant, it is observed that the total plot area is 19.11 Ha out of which part area is affected by CRZ Regulations. PP is not able to explain about the exact area affected by CRZ Regulations. PP informed that they have not yet applied for CRZ clearance to the MCZMA for proposed development.

PP submitted their proposal for the Cement Blending Plant under category 3(b) but during presentation it is revealed that PP wants Environmental Clearance for integrated proposal for Cement Blending Plant and development of Jetty under category 7(e) for which PP has not applied.

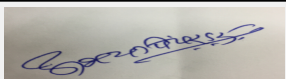
In view of above facts, SEAC is of the opinion that, PP should first obtain CRZ clearance from MCZMA and then apply for integrated proposal of Cement Blending under category 3(b) and Jetty Construction under category 7 (e) for prior Environmental Clearance.

Hence, deferred.

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 10  
 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat**  
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## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018

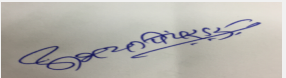
**Subject:** Environment Clearance for M/s. GRESS INDUSTRIES

**Is a Violation Case:** No

1.Name of Project	Proposed 300 MTD of Cement Grinding Unit
2.Type of institution	Private
3.Name of Project Proponent	Mr. Dineshbhai Bhanderi
4.Name of Consultant	Green Circle, Inc.
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	NA
8.Location of the project	Gat No. 1101, Village:Pargaon, Taluka Khandala, Dist: Satara, Maharashtra.
9.Taluka	Khandala
10.Village	Pargaon
Correspondence Name:	Mr. Dineshbhai Bhanderi
Room Number:	Tanti Park -1, 150ft Ring Road, Rajkot
Floor:	NA
Building Name:	M/s. GRESS INDUSTRIES
Road/Street Name:	NA
Locality:	Village:Pargaon
City:	Khandala
11.Area of the project	Other Area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 2500
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.)	3717.47
16.Deductions	Not Applicable
17.Net Plot area	3717.47
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 2041.758
	b) Non FSI area (sq. m.): 458.24
	c) Total BUA area (sq. m.): 2500
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)	1134.31
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30.51
21.Estimated cost of the project	8000000


## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 11  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**


1	Not applicable	Not applicable	Not applicable
<b>23.Number of tenants and shops</b>	Not applicable		
<b>24.Number of expected residents / users</b>	Not applicable		
<b>25.Tenant density per hectare</b>	Not applicable		
<b>26.Height of the building(s)</b>			
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	9 m		
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	9 m		
<b>29.Existing structure (s) if any</b>	Not applicable		
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable		

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Cement	Not applicable	9000	9000

### 32.Total Water Requirement

<b>Dry season:</b>	<b>Source of water</b>	Borewell
	<b>Fresh water (CMD):</b>	Not applicable
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	Not applicable
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 12 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Wet season:</b>	<b>Source of water</b>	Borewell
	<b>Fresh water (CMD):</b>	Not applicable
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	Not applicable
	<b>Fire fighting - Underground water tank(CMD):</b>	Not applicable
	<b>Fire fighting - Overhead water tank(CMD):</b>	Not applicable
	<b>Excess treated water</b>	Not applicable

**Details of Swimming pool (If any)**


Not applicable

**33.Details of Total water consumed**

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	1.4	1.4	NA	0.2	0.2	NA	1.2	1.2
Gardening	NA	1.6	1.6	NA	1.6	1.6	NA	NA	NA


**34.Rain Water Harvesting (RWH)**

<b>Level of the Ground water table:</b>	5.0 to 6.0 m bgl
<b>Size and no of RWH tank(s) and Quantity:</b>	1 tank x 300 m3
<b>Location of the RWH tank(s):</b>	UG
<b>Quantity of recharge pits:</b>	NA
<b>Size of recharge pits :</b>	NA
<b>Budgetary allocation (Capital cost) :</b>	NA
<b>Budgetary allocation (O &amp; M cost) :</b>	NA
<b>Details of UGT tanks if any :</b>	Water storage: 1 No. x 300 m3 firewater tank and 1 No. x 300 m3 water tank


  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 13 of 76**


**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards North
	<b>Quantity of storm water:</b>	0.148 m3/sec
	<b>Size of SWD:</b>	2.5 m x 1.5 m
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1.2
	<b>STP technology:</b>	Domestic waste water will be disposed off through septic tank/ soak pit.
	<b>Capacity of STP (CMD):</b>	Not applicable
	<b>Location &amp; area of the STP:</b>	Not applicable
	<b>Budgetary allocation (Capital cost):</b>	Not applicable
	<b>Budgetary allocation (O &amp; M cost):</b>	Not applicable
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	<b>Disposal of the construction waste debris:</b>	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Discarded barrels / containers / bags / liners
	<b>Wet waste:</b>	Not applicable
	<b>Hazardous waste:</b>	Used/spent oil
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<b>Others if any:</b>	Not applicable
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Returned to raw material supplier
	<b>Wet waste:</b>	Not applicable
	<b>Hazardous waste:</b>	Sold to registered processor
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Not applicable
	<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>	Not applicable
	<b>O &amp; M cost:</b>	Not applicable
<b>37.Effluent Charecterestics</b>		

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 14 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

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			

### 38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Litres/Month	NA	1.5	1.5	Sold to registered processor

### 39.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	D G set 1 no. x 185 KVA	Diesel - 38 L/hr	1	5	150	70 to 80

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	NA	38 L/hr	38 L/hr

41.Source of Fuel

Local Market


42.Mode of Transportation of fuel to site

Road Transport

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1336
	<b>No of trees to be cut :</b>	Not Applicable
	<b>Number of trees to be planted :</b>	80
	<b>List of proposed native trees :</b>	Kadamb, Ashok, Bakul, Bahava etc.
	<b>Timeline for completion of plantation :</b>	1 Years


### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoka	Ashok	10	Shady tree with red-yellow flowers
2	Azadirachta indica	Neem	10	Semi-evergreen tree with medicinal value

  
Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 15  
of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

3	Mangifera indica	Mango	10	Fruit Tree Evergreen & bird attracting tree
4	Anthocephallus	Kadamb	10	Shady, large deciduous tree, fastgrowing graceful tre
5	Mimusops elengi	Bakul	10	Shady tree, small white fragrant flowers
6	Cassia fistula	Bahava	10	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	Bauhinia racemosa	Apta	5	Small tree with small white flowers, Butterfly host plant
8	Bombax ceiba	Kate sawar	5	Large deciduous tree. Flowers attract many birds.
9	Albizia lebbeck	Shirish	10	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species ( Para kids eat seeds )

**45.Total quantity of plants on ground**


**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

**47.Energy**


<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	5 hp
	<b>DG set as Power back-up during construction phase</b>	Not Applicable
	<b>During Operation phase (Connected load):</b>	200 hp
	<b>During Operation phase (Demand load):</b>	200 hp
	<b>Transformer:</b>	Not Applicable
	<b>DG set as Power back-up during operation phase:</b>	185 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

**48.Energy saving by non-conventional method:**

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 16 of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**



Purchase of energy efficient appliances.  
 Constant monitoring of energy consumption and defining targets for energy conservation.  
 Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels.  
 Proper temperature controls will be provided to reduce load on heating systems.  
 Proper load factor will be maintained by the company  
 Company will adopt good maintenance practices and will maintain good housekeeping which will help in better illumination levels with least number of fixtures  
 LED lamps will be provided, wherever applicable.  
 To the extent possible and technically feasible, energy efficient equipment will be selected.

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air Emission	NA	Adequate Stack Height will be provided for Flue gas
Solid Waste	NA	Sold to registered processor
Wastewater - Domestic use	NA	Sewage will be disposed off into Septic tank/soakpit
Noise - Process area	NA	The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Not Applicable
	<b>O &amp; M cost:</b>	Not Applicable


#### 51.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	Water sprinkling, dust mask	0.5
2	Green Belt development	Tree plantation	0.25
3	Solid waste management facility	Solid waste collection and disposal facility	0.25
4	Environment Monitoring	Monitoring charges of Air, water, noise	0.35
5	Occupational Health	Health check-up, PPEs	0.65


##### 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	Stacks for Boiler, Thermic fluid heater	4	0.5
2	Environment Monitoring and Management	Environmental Monitoring of Air, water, noise	0.65	0.3

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 17 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

3	Occupational Health	Health Check-up of workers, Provision of First-aid medical facility, Provision of PPEs to workers	1.5	0.5
4	Occupational Health	Health Check-up of workers, Provision of First-aid medical facility, Provision of PPEs to workers	1.5	0.5
5	Green Belt	Development of trees, Green area	1.0	0.5

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

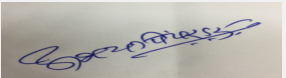
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

### 52.Any Other Information

No Information Available


### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two nos.
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	225
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Auto Rickshaw from 500 m of plant boundary
Width of all Internal roads (m):	9 m, 7.5 m & 6 m	
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

  
Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 18  
of 76



Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

	<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>	'B' Category, schedule 3(b)
	<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>	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Not Applicable
<b>Water Budget</b>	Not Applicable
<b>Waste Water Treatment</b>	Not Applicable
<b>Drainage pattern of the project</b>	Not Applicable
<b>Ground water parameters</b>	Not Applicable
<b>Solid Waste Management</b>	Not Applicable
<b>Air Quality &amp; Noise Level issues</b>	Not Applicable
<b>Energy Management</b>	Not Applicable
<b>Traffic circulation system and risk assessment</b>	Not Applicable
<b>Landscape Plan</b>	Not Applicable
<b>Disaster management system and risk assessment</b>	Not Applicable
<b>Socioeconomic impact assessment</b>	Not Applicable
<b>Environmental Management Plan</b>	Not Applicable
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

 <b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018</b>	<b>Page 19 of 76</b>	Signature:  Name: <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>
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PP submitted their application for the grant of TOR under category 3(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public Hearing is applicable.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

## DECISION OF SEAC

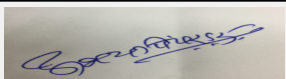
Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

### Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of Board of Directors, memorandum of articles and memorandum of association.
- 2) PP to submit lay out plan showing entry and exit gates , minimum internal road width of six meters and turning radius of nine meters, location of pollution control equipment, parking areas, 33% green belt within the plot area, solid and hazardous waste storage areas ,rain water harvesting etc
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to submit remarks from the town planning department whether industrial development is permissible on proposed plot as per Regional Plan.
- 5) PP to obtain permission from competent authority for drawing ground water.
- 6) PP to submit drawing showing access road to the proposed site with road width and turning radius.
- 7) PP to include details of transport of raw material to the site along with its impact on the environment and mitigation measures proposed in the EIA report.
- 8) PP to submit details on the procurement of clinkers, fly ash, metal slag and Gypsum along with their technical specifications to ensure the quality of product. PP also to submit technical specifications of the final product against relevant standards.
- 9) PP to submit CSR plan to be prepared in consultation with the District Authorities along with its implementation Schedule. PP to maintain separate account for CSR funds.
- 10) PP to carry out Risk Assessment and submit Disaster Management Plan.
- 11) PP to submit detailed water balance calculations. No soak pit shall be provided in stead PP to provide STP for the treatment of domestic sewage and recycle treated sewage shall be used for sprinkling to control dust emissions.
- 12) PP to submit details of the maximum storage of raw material against the production quantity and make changes in the product manufacturing quantity if storage is found inadequate in the site.
- 13) PP to include use of non conventional energy in the EIA report.
- 14) PP to provide lightening arrestor.


## FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

  
**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 20  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

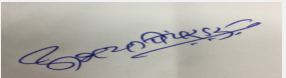
SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018

**Subject:** Environment Clearance for Environmental Clearance for Industrial Project for Manufacturing Molten Steel, Ingots and Billets, 130000 MT/A

**Is a Violation Case:** No


1.Name of Project	M/s Jaideep Metallics & Alloys Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Manohar Lal Singhania
4.Name of Consultant	Creative Enviro Services
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Gut No. - 78(P) & Gut No. 79 , Village Lakhmapur,
9.Taluka	Wada
10.Village	Lakhmapur
Correspondence Name:	Mr. Ajay Kumar Lagarhia, M/s Jaideep Metallics & Alloys Private Limited
Room Number:	108
Floor:	1st floor
Building Name:	Neha Industrial Estate , Behind CCI Ltd.
Road/Street Name:	Off. Dattapada Road
Locality:	Borivali (East)
City:	Mumbai
11.Area of the project	Group Grampanchayat Jamghar-Lakhmapur
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 1755.85
13.Note on the initiated work (If applicable)	Construction of factory shed has been started, as Consent for Establishment of the industry for production capacity 28500 MT/A has been obtained from MPCB.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	6000 sqm
16.Deductions	2097.79 sqm
17.Net Plot area	3902.21 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 1755.85
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)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	300000000

## 22.Number of buildings & its configuration


  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 21  
of 76**


Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	FACTORY SHED	121	21	
23.Number of tenants and shops	NA			
24.Number of expected residents / users	150			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 Mtrs			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable			
29.Existing structure (s) if any	Not applicable			
30.Details of the demolition with disposal (If applicable)	Not applicable			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Molten Steel , Ingots , Billets	-	130000 MT/A	130000 MT/A
<b>32.Total Water Requirement</b>				

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**


**Page 22 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Dry season:</b>	<b>Source of water</b>	Ground water and from Private Tankers, RWH Pit
	<b>Fresh water (CMD):</b>	80
	<b>Recycled water - Flushing (CMD):</b>	5
	<b>Recycled water - Gardening (CMD):</b>	6
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	120 CMD
	<b>Fire fighting - Underground water tank(CMD):</b>	NA
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 CMD
	<b>Excess treated water</b>	0
<b>Wet season:</b>	<b>Source of water</b>	Ground water , RWH Pit
	<b>Fresh water (CMD):</b>	80
	<b>Recycled water - Flushing (CMD):</b>	5
	<b>Recycled water - Gardening (CMD):</b>	0
	<b>Swimming pool make up (Cum):</b>	NA
	<b>Total Water Requirement (CMD) :</b>	114 CMD
	<b>Fire fighting - Underground water tank(CMD):</b>	NA
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 CMD
	<b>Excess treated water</b>	0
<b>Details of Swimming pool (If any)</b>	NA	


### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	-	10	10	-	1.5	1.5	-	8.5	8.5
Industrial Process	-	24	24	-	6	6	-	18	18
Cooling tower & thermopack	-	80	80	-	-	80	-	0	0
Gardening	-	6	6	-	6	6	-	0	0


  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 23 of 76**


**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	200 Mtrs
	<b>Size and no of RWH tank(s) and Quantity:</b>	10m x 10mx 10m - 1 Nos.
	<b>Location of the RWH tank(s):</b>	Near Factory gate
	<b>Quantity of recharge pits:</b>	2 Nos.
	<b>Size of recharge pits :</b>	3m x 3m x 3m
	<b>Budgetary allocation (Capital cost) :</b>	200000/-
	<b>Budgetary allocation (O &amp; M cost) :</b>	10000/-
	<b>Details of UGT tanks if any :</b>	NA
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Strome water drains will be constructed as per level of plot.
	<b>Quantity of storm water:</b>	Will be elaborated in EIA report
	<b>Size of SWD:</b>	Will be elaborated in EIA report
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	8.5
	<b>STP technology:</b>	Extended aeration system
	<b>Capacity of STP (CMD):</b>	STP - 1 No., Capacity - 10 KLD
	<b>Location &amp; area of the STP:</b>	Near HT Switch Yard, area - 20 sqm
	<b>Budgetary allocation (Capital cost):</b>	25.0 Lakhs
	<b>Budgetary allocation (O &amp; M cost):</b>	3.0 Lakhs
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction waste debris
	<b>Disposal of the construction waste debris:</b>	re used at site
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	80 kd/day
	<b>Wet waste:</b>	50 kg/day
	<b>Hazardous waste:</b>	Used oil - 20 Lit/ M
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	2.0 kg/day
	<b>Others if any:</b>	Slag - 30 TPD

  
Abhay Pimparkar (Secretary  
SEAC-I)

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 24  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to Authorized vendors
	<b>Wet waste:</b>	making vermi compost
	<b>Hazardous waste:</b>	Authorized Recycler
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Used as Manure
	<b>Others if any:</b>	Slag shall be used for road construction.
<b>Area requirement:</b>	<b>Location(s):</b>	Within Plant
	<b>Area for the storage of waste &amp; other material:</b>	100 sqm
	<b>Area for machinery:</b>	NA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	15.0 Lakh
	<b>O &amp; M cost:</b>	100000 Lakh

### 37. 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):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

### 38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	Liters	-	20	20	Authorized Recycler

### 39. 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	Induction Furnace	Electricity	1	30	1.6	92 degree Centigrade

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Electricity	-	14000 KVA	14000 KVA
41. Source of Fuel		MSEDCL		
42. Mode of Transportation of fuel to site		by HT line		

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 25 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	33% of total plot area
	<b>No of trees to be cut :</b>	0
	<b>Number of trees to be planted :</b>	400
	<b>List of proposed native trees :</b>	Ashoka, Kadamb, Mango, Neem, and other native species
	<b>Timeline for completion of plantation :</b>	within 2 years

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca asoca	Ashok	100	Deciduous
2	Neolamarkia Cadamba	Kadamb	100	Tropical fruit tree, bird attracting
3	Mangifera indica	Mango	100	Semi Deciduous
4	Azadirachta indica	Neem	100	Deciduous

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

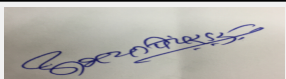
#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	14000 KVA
	<b>During Operation phase (Demand load):</b>	15000 KVA
	<b>Transformer:</b>	Yes
	<b>DG set as Power back-up during operation phase:</b>	1 Nos. x 500 KVA
	<b>Fuel used:</b>	Diesel
<b>Details of high tension line passing through the plot if any:</b>	NA	

#### 48.Energy saving by non-conventional method:


NA

#### 49.Detail calculations & % of saving:

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 26 of 76**

  
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Induction Furnace	-	Fume Extraction System, Bag Filter & Stack

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

### 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	PM	Rs. 1.0 Lakh

#### 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	FES, Bag filter	100.0	3.0
2	Water Pollution Control	STP	25.0	3.0
3	Solid Waste Management	Handling and disposal	15.0	1.0
4	Green Belt	Plantation	2.0	0.5
5	Environmental Monitoring	Air Quality, Stack Monitoring, Waste water quality, Noise level, soil quality	-	3.0

### 51.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
NA	NA	NA	NA	NA	NA	NA	NA

### 52.Any Other Information

No Information Available


### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	one Junction at Wada Road
---------------------------------------------------------------	---------------------------

  
Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018


Page 27 of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	150 sqm
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	10-12 trucks per day will be operated during operation phase.
	Width of all Internal roads (m):	12 Mtrs
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	3(a)
	Court cases pending if any	No
	Other Relevant Informations	The unit has obtained Consent to establish from MPCB for production capacity of 28500 MT/A, and construction work for installation of one induction furnace is under process. Here we are submitting the application for approval of TOR for production capacity of 130000 MT/A to produce Molter Steel , Ingots & Billets. The cost of the project for would be Rs. 30.0 Crores.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-


## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 28  
 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
 (Chairman SEAC-I)**

<b>Ground water parameters</b>	Not Applicable
<b>Solid Waste Management</b>	Not Applicable
<b>Air Quality &amp; Noise Level issues</b>	Not Applicable
<b>Energy Management</b>	Not Applicable
<b>Traffic circulation system and risk assessment</b>	Not Applicable
<b>Landscape Plan</b>	Not Applicable
<b>Disaster management system and risk assessment</b>	Not Applicable
<b>Socioeconomic impact assessment</b>	Not Applicable
<b>Environmental Management Plan</b>	Not Applicable
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 3(a)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

Public Hearing is applicable.

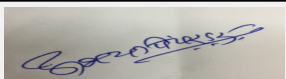
### DECISION OF SEAC

Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

#### Specific Conditions by SEAC:


- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles and memorandum of association.
- 2) PP to submit lay out plan showing entry/exit gates, internal road of minimum width six meters and turning radius of nine meters, location of all pollution control equipment, solid waste storage areas, parking areas, 33% green belt, rain water harvesting etc.
- 3) PP to carry out life cycle analysis of the activities proposed on site with respect to the sustainability index, green house and ozone depletion potential, mass energy balance calculation etc.
- 4) PP to include details of generation of solid waste like slag, ash etc., its storage and disposal mechanism in the EIA report.
- 5) PP to carry out Risk Assessment and submit Disaster Management Plan.
- 6) PP to submit details of CSR plan prepared in consultation with district authorities along with its time bound implementation schedule. PP to maintain separate account for CSR funds.
- 7) PP to obtain permission from competent authority for using ground water.
- 8) PP to include details of use of non conventional energy in the EIA report.
- 9) PP to submit detailed calculation for rain water harvesting.
- 10) PP to provide lightening arrestor.



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

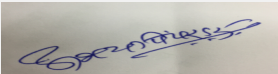
**Page 29  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.


SEAC-AGENDA-00000000065



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 30  
of 76**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

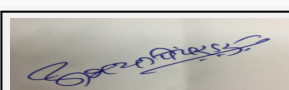
SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018

**Subject:** Environment Clearance for Environment Clearance for M/s. Raj Chemicals at Plot No.W-43, MIDC Taloja, Taluka: Panvel, District: Raigad, Maharashtra, India

**Is a Violation Case:** No

1.Name of Project	Manufacturing of Basic Drugs, Fine Chemicals & Intermediates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nikhil J. Shah
4.Name of Consultant	Green Circle, Inc.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Modernization & expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Renewal Consent to Operate , Consent order no. Formate 1.0/AST/RO-NM/EIC no. NM - 5633-15/R/CC-07208
8.Location of the project	Plot No.W-43, MIDC Taloja, Taluka: Panvel, District: Raigad, Maharashtra, India
9.Taluka	Panvel
10.Village	Taloja
Correspondence Name:	Mr. Nikhil J. Shah
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	20, Nagin Mahal, 82 Veer Nariman Road
Road/Street Name:	82 Veer Nariman Road
Locality:	Churchgate
City:	Mumbai-400020
11.Area of the project	Maharashtra Industrial Development Corporation (MIDC), Taloja
12.IOD/IOA/Concession/Plan Approval Number	MIDC PLAN approval no A57773 dated 27/02/2016 <b>IOD/IOA/Concession/Plan Approval Number: A57773</b> <b>Approved Built-up Area: 678.19</b>
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.)	720 sq. m
16.Deductions	Not applicable
17.Net Plot area	720 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 678.19 b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 678.19
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)	231.30
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.32
21.Estimated cost of the project	45000000


## 22.Number of buildings & its configuration



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018


Page 31  
of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	G + 3	13.78 m
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 meter		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Two sides MIDC road is available as plot is at corner. Fire tender can easily accessible in our plot.		
29.Existing structure (s) if any	G + 2		
30.Details of the demolition with disposal (If applicable)	Out of two buildings, old structure is demolished.		

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Isometamedium Chloride HCL (Vet) (i.e. Amidino Phenyl DiazoDiamino Phenyl Ethyl Phenanthridinium Chloride HCL) & its Intermediates & family	1.5 Kg/day	2 Kg/day	2 Kg/day
2	Homidium Chloride (vet) Alcohol/DNA(i.e. Phenyl Diamino Ethyl Phenanthridinium Chloride) & its Intermediates & family	3.5 Kg/day	2 Kg/day	2 Kg/day
3	Homidium Bromide BP-vet-C (i.e. Phenyl Diamino Ethyl Phenanthridinium Bromide) & its Intermediates & family	2 Kg/day	0.5 Kg/day	0.5 Kg/day
4	Dimidium Bromide (i.e. Phenyl Diamino Methyl Phenanthridinium Bromide) & its Intermediates & family	2 Kg/day	0.02 Kg/day	0.02 Kg/day
5	Dimethyl Ethyl Hexanaphthalene Methyl Hydroxy Dihydro Diketo Napthalene (i.e.Buparvaquone) & its Intermediates & family	0 Kg/day	6 Kg/day	6 Kg/day
6	Hydroxy Hexanaphthene Naphthalenedione (i.e.Parvaquone) & its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
7	Etodolac & its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
8	Chloro Methyl Carbazole Acetic Acid (i.e.Carprofen) & its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
9	N-benzyl acrylamide & its Intermediates & family	0 Kg/day	20 Kg/day	20 Kg/day
10	6-Methyl Nicotinic Acid-NI & its Intermediates & family	0 Kg/day	1.5 Kg/day	1.5 Kg/day

  
**Abhay Pimparkar (Secretary SEAC-I)**

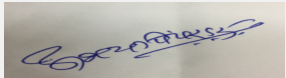
**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 32 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**




11	Dinitro Biphenyl Dimethanol-DD & its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
12	Ractopamine HCL & its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
13	Imidocarb Dipropionate & its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
14	Bithionol Sulfoxide & its Intermediates & family	0 Kg/day	1.5 Kg/day	1.5 Kg/day
15	Nitroxylnil & its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
16	Chloro Fluoropyrimidine & its Intermediates & family	0 Kg/day	0.1 Kg/day	0.1 Kg/day
17	Eprinomectin & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
18	Bis-Amidino Phenyl Triazene bis-acetyl glycinate (i.e. Diminazene diaceturate/aceturate) & its Intermediates & family	0 Kg/day	30 Kg/day	30 Kg/day
19	Trichloro Vinyl Disulfamyl Aniline (i.e. Clorsulon) & its Intermediates & family	0 Kg/day	10 Kg/day	10 Kg/day
20	Bromo Chloro Beta Gama Hydroxy Piperidyl Oxopropyl Propyl Oxobenzodiazone (i.e. Halofuginone) & its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
21	(4-Amino-2, 6-dichlorophenyl)(4-chlorophenyl) Acetonitrile (i.e. Diclazuril) & its Intermediates & family	0 Kg/day	10.005 Kg/day	10.005 Kg/day
22	3,4-Dihydroxy ethyl benzonate & its Intermediates & family	0 Kg/day	13 Kg/day	13 Kg/day
23	4-chloro-3, 4-dihydroxy Benzophenone& its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
24	3, 4-dihydroxy Benzophenone& its Intermediates & family	0 Kg/day	10 Kg/day	10 Kg/day
25	3, 4-dihydroxy Benzonitrile& its Intermediates & family	0 Kg/day	60 Kg/day	60 Kg/day
26	6,7-bis-methoxy-ethoxy Quinazoline (Cebrazolone-2) & its Intermediates & family	0 Kg/day	1.5 Kg/day	1.5 Kg/day
27	6,7-bis-methoxy-ethoxy Quinazoline (Cebrazolone-1) & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
28	Amyl Meta cresol & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
29	Agomelatine& its Intermediates & family	0 Kg/day	0.1 Kg/day	0.1 Kg/day
30	Atovaquone & its Intermediates & family	0 Kg/day	6 Kg/day	6 Kg/day
31	Nitazoxanide& its Intermediates & family	0 Kg/day	0.1 Kg/day	0.1 Kg/day
32	Nitroscanate& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
33	Trimethylquinoxaline& its Intermediates & family	0 Kg/day	2.5 Kg/day	2.5 Kg/day
34	EthoxyNitrophenyl Vinyl Methyl Benzopyridine Methyl Sulphate& its Intermediates & family	0 Kg/day	0.1 Kg/day	0.1 Kg/day
35	Dichlorophenyldigunido hexane (Chlorhexidine) & its Intermediates & family	0 Kg/day	8.07 Kg/day	8.07 Kg/day
36	Methyl nitro diazocyclopentadiene methanol urethane (i.e. Ronidazole) & its Intermediates & family	0 Kg/day	5.75 Kg/day	5.75 Kg/day
37	Methyl chlorobenzoxazole& its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
38	Benzyl (Nitro Imidazol-1-yl) acetamide& its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
39	Ethopabate USP/BP & its Intermediates & family	0 Kg/day	5 Kg/day	5 Kg/day
40	Trifluoromethylmethanesulfonamide& its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
41	Dithranol&itsintermediates	0 Kg/day	2 Kg/day	2 Kg/day
42	Hydralazine & its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day

  
**Abhay Pimparkar (Secretary SEAC-I)**


**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 33 of 76**

Signature:   
Name: **Dr. Umakant Dangat (Chairman SEAC-I)**


43	Trypan Red & its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
44	Piperquone phosphate & its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
45	Azopyridine& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
46	Detomidine& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
47	Fomepizole& its Intermediates & family	0 Kg/day	0.01 Kg/day	0.01 Kg/day
48	9-Aminoacridine & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
49	Hexylresorcinol & its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
50	Carbazochrome salicylate & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
51	PhenazopyridineHCl& its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
52	Ranolazine& its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
53	Isotretinoin& its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
54	Netobimin& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
55	Praziquantel& its Intermediates & family	0 Kg/day	1 Kg/day	1 Kg/day
56	Product G & its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
57	Flunixinmeglumin& its Intermediates & family	0 Kg/day	3 Kg/day	3 Kg/day
58	PyrviniumPamoate& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
59	Meclizine & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
60	Marbofloxacin& its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
61	Fexinidazole& its Intermediates & family	0 Kg/day	3.8 Kg/day	3.8 Kg/day
62	Febuxostat& its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
63	2, 4-DinitroPhenyl ethyl Alcohol & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
64	Sodium [(dimethyl amino) methyl phenyl] phosphoniumdiolate (Toldimfos) & its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
65	Calone& its Intermediates & family	0 Kg/day	0.5 Kg/day	0.5 Kg/day
66	Quinfamide& its Intermediates & family	0 Kg/day	3.5 Kg/day	3.5 Kg/day
67	Quinapyramine& its Intermediates & family	0 Kg/day	5 Kg/day	5 Kg/day
68	Closantel& its Intermediates & family	0 Kg/day	2 Kg/day	2 Kg/day
69	Folpet and its intermediates family	0 Kg/day	7 Kg/day	7 Kg/day
70	Trichlormethiazide and its intermediates family	0 Kg/day	6 Kg/day	6 Kg/day
71	6-chloro,7-Bromo Quinazolinone (Cebrazolone)	0 Kg/day	6 Kg/day	6 Kg/day
72	3-hydroxy,2-methyl pyridine	0 Kg/day	3 Kg/day	3 Kg/day
73	3-methoxy,2-methyl pyridine	0 Kg/day	3 Kg/day	3 Kg/day
74	3-hydroxy,2-(3-Bromo oxopropyl)Piperidine	0 Kg/day	3.5 Kg/day	3.5 Kg/day
75	3-(2,2,1 TrichloroVinyl) Aniline HCl	0 Kg/day	18 Kg/day	18 Kg/day
76	5-chloro,2-methyl Benzoxazole	0 Kg/day	1 Kg/day	1 Kg/day
77	Benzoxazole derivative	0 Kg/day	1 Kg/day	1 Kg/day
78	4-amino,2-chloro, 6-7 dimethoxyQuinazoline	0 Kg/day	17 Kg/day	17 Kg/day
79	4-chloro,6-7 bis (2-methoxy ethoxy) Quinazoline	0 Kg/day	2 Kg/day	2 Kg/day
80	Quinazoline Derivative	0 Kg/day	1 Kg/day	1 Kg/day
81	1-Bromonaphthalene	0 Kg/day	26 Kg/day	26 Kg/day
82	Octopamine Hydrochloride	0 Kg/day	16 Kg/day	16 Kg/day
83	Methyl-2-Methoxy-5-(methylsulfonyl)benzoate	0 Kg/day	20 Kg/day	20 Kg/day
84	Methyl-2-Methoxy-5-sulfamoylbenzoate	0 Kg/day	20 Kg/day	20 Kg/day

## 32.Total Water Requirement

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**


**Page 34  
 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat  
 (Chairman SEAC-I)**

<b>Dry season:</b>	<b>Source of water</b>	MIDC Water Supply
	<b>Fresh water (CMD):</b>	28.73
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	28.73
	<b>Fire fighting - Underground water tank(CMD):</b>	50 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 KL
	<b>Excess treated water</b>	Not applicable
<b>Wet season:</b>	<b>Source of water</b>	MIDC Water Supply
	<b>Fresh water (CMD):</b>	28.73
	<b>Recycled water - Flushing (CMD):</b>	Not applicable
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	28.73
	<b>Fire fighting - Underground water tank(CMD):</b>	50 KL
	<b>Fire fighting - Overhead water tank(CMD):</b>	10 KL
	<b>Excess treated water</b>	Not applicable
<b>Details of Swimming pool (If any)</b>	Not applicable	

### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1	3.17	4.17	0.2	0.64	0.87	0.8	2.53	3.3
Industrial Process	6	6.66	6.66	4.5	-	-	1.5	12.26	12.26
Cooling tower & thermopack	2	15.9	17.9	1.92	14.32	16.24	0.08	1.58	1.66

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 35 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	Pre-monsoon: 0.95 to 7.70 m bgl & Post-monsoon: 1.10 to 4.05 m bgl
	<b>Size and no of RWH tank(s) and Quantity:</b>	NA
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	NA
	<b>Budgetary allocation (O &amp; M cost) :</b>	NA
	<b>Details of UGT tanks if any :</b>	MIDC water storage tank and Emergency water storage tank for Fire Hydrant system, Both the tanks are underground.


<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Pumped to MIDC drainage line.
	<b>Quantity of storm water:</b>	113.8 m3
	<b>Size of SWD:</b>	1 feet width and 1 feet height.

<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	3.3 KLD
	<b>STP technology:</b>	Domestic waste water will be disposed off into soak pit
	<b>Capacity of STP (CMD):</b>	Not applicable
	<b>Location &amp; area of the STP:</b>	Not applicable
	<b>Budgetary allocation (Capital cost):</b>	Not applicable
	<b>Budgetary allocation (O &amp; M cost):</b>	Not applicable

### 36.Solid waste Management


<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	<b>Disposal of the construction waste debris:</b>	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.

<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Discarded bags, Paper waste,
	<b>Wet waste:</b>	Ferric oxide, Carbon/ charcoal, Hyflo superseal
	<b>Hazardous waste:</b>	ETP Sludge, Process residue/ Distilled residue, Discarded containers/barrels/liners, Used/spent oil, MEE salt
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 36 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**


<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorized vendor for disposal
	<b>Wet waste:</b>	Handed over to authorized vendor for disposal, Reuse in the process, Consumed, Decomposed and handed over to authorized vendor for disposal
	<b>Hazardous waste:</b>	Collection, Storage, Transportation, Disposal at TSDF site, Sold to authorized vendor, Sold to authorized reprocessor
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<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>	Not Applicable
	<b>O &amp; M cost:</b>	Not Applicable

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	1 to 5	6.5 to 8	5.5 to 8.5
2	TSS	mg/l	2000 to 4000	50 to 100	100
3	COD	mg/l	10,000 to 50,000	100 to 250	250
4	BOD	mg/l	1,000 to 5,000	50 to 100	100
5	TDS	mg/l	5000	1000 to 2000	2100
Amount of effluent generation (CMD):		13.92 KLD			
Capacity of the ETP:		15 KLD			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		approximately 13.92 KLD			
Membership of CETP (if require):		Raj Chemicals is permanent member of CETP from 31.01.2003			
Note on ETP technology to be used		Primary treatment , Tertiary & MEE, Condensate from MEE will be send to CETP for further treatment.			
Disposal of the ETP sludge		Collection, Storage, Transportation, Disposal at TSDF site.			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	MT/M	1.0	3.2	4.2	Collection, Storage, Transportation, Disposal at TSDF site.
2	Process residue/ Distilled residue	28.1	MT/D	0.006	0.679	0.679	CHWTSDF
3	Discarded containers/barrels/liners	33.3	Nos./Day	-	40	40	Sold to authorized vendor
4	Used/spent oil	5.1	L/yr	-	20	20	Sold to authorized reprocessor
5	MEE salt	37.3	Kg/day	-	approximately 500	approximately 500	CHWTSDF

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 37 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

### 39.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	Boiler (2x800 Kg/ hr)	LDO- 2x200 LPD	1	17	400	110-120
2	Thermopack (1x 2 Lakh Kcal.)	LDO - 10 LPD	Combined for boiler & thermopack	17	400	110-120
3	DG set (7.5 KVA)	Diesel - 1.6 LPH	1	12	150	90-95
4	DG set (250 KVA)	Diesel - 62.50 LPH	combined stack for both the D.G set	12	150	90-95


### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	230 L/day	220 L/day	450 L/day
2	Diesel	3.2 Liters/hr	62.5 Liters/hr	65.7 Liters/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By Road		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	0
	<b>No of trees to be cut :</b>	None
	<b>Number of trees to be planted :</b>	250 nos. (MPCB designated area in and around MIDC)
	<b>List of proposed native trees :</b>	none
	<b>Timeline for completion of plantation :</b>	within timeline prescribed by MPCB


### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	-	Semi-evergreen tree with medicinal value
2	Cassia fistula	Bahava	-	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Mimusops elengi	Bakul	-	Shady tree, small white fragrant flowers
4	Murraya paniculata	Kunti	-	Small tree, Fragrant white flowers, Butterfly host plant
5	Saraca asoka	Sita Ashok	-	Shady tree with red-yellow flowers
6	Gmelina arborea	Shivan	-	Fast growing tree with beautiful yellow flowers
7	Bombax ceiba	Kate sawar	-	Large deciduous tree. Flowers attract many birds.

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 38 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

8	Michelia champaca	Son chafa	-	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
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**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	67 KW
	<b>DG set as Power back-up during construction phase</b>	7.5 KVA
	<b>During Operation phase (Connected load):</b>	250 KVA
	<b>During Operation phase (Demand load):</b>	200 HP
	<b>Transformer:</b>	315 KVA
	<b>DG set as Power back-up during operation phase:</b>	1 X 7.5 KVA (Existing) & 250 KVA (Proposed)
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

**48.Energy saving by non-conventional method:**

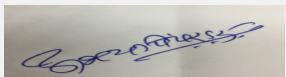
1. The project will provide enough day light factors in the building to permit maximum day light to interior to minimize overall energy consump
2. Focusing on the high performance energy efficient U & R values can bring down the building energy consumption i.e. the operational cost for the any commercial buildings.
3. To the extent possible and technically feasible, energy efficient equipment will be selected.
4. Maximize the use of natural lighting through design
5. Gravity flow will be preferred wherever possible to save pumping energy.
6. Proper temperature controls will be provided to reduce load on heating systems

**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable


**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
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**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 39 of 76**

  
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**



Wastewater - Domestic use, process, boiler blowdown, cooling tower blowdown, washing	-	ETP, MEE & Soak Pit
Noise - Process area, Utility area, ETP area	-	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	-	Sale to authorized vendor/ Recycle/ Reuse/ disposal to CHWTSDF

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Not Applicable
	<b>O &amp; M cost:</b>	Not Applicable

## 51.Environmental Management plan Budgetary Allocation

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


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Dust suppression	1.0
2	Solid waste	Solid waste management facility	0.5
3	Air, water, noise	Environment Monitoring	1.5
4	Health & safety	Occupational Health	1.0

### 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 emission	Provision for stack & APCM	12	6.0
2	Air emission	Provision for stack & APCM	12	6.0
3	Wastewater	ETP & MEE	15	6.0
4	Solid /Hazardous waste	Solid waste management	10	5.0


## 51.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

  
**Abhay Pimparkar (Secretary SEAC-I)**


**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 40 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**




Acetone	Campaign basis . Will be purchased as on when required.	Drums storage yard	2	1	0.15	Maharashtra and Gujrat state	Road
Methanol	Campaign basis . Will be purchased as on when required.	Drums storage yard	6	3	0.45	Maharashtra and Gujrat state	Road
Toluene	Campaign basis . Will be purchased as on when required.	Drums storage yard	2	1	0.15	Maharashtra and Gujrat state	Road
EDC	Campaign basis . Will be purchased as on when required.	Drums storage yard	2	1	0.15	Maharashtra and Gujrat state	Road
MDC	Campaign basis . Will be purchased as on when required.	Drums storage yard	2	1	0.15	Maharashtra and Gujrat state	Road
DMF	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
IPA	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
N-Butanol	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
DNA	Campaign basis . Will be purchased as on when required.	Drums storage yard	2	1	0.15	Maharashtra and Gujrat state	Road


  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 41 of 76**


**Signature:**   
**Name: Dr. Umakant Dangat**  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Xylene	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Pet Ether 60-80	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Chlorobenzene	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Benzene	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Ethyl Acetate	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Acetonitrile	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Nitrobenzene	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
THF	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
Ethylene Glycol	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 42 of 76**

  
**Signature: Dr. Umakant Dangat**  
**Name: Dr. Umakant Gangotree Dangat**  
**Dr. Umakant Dangat (Chairman SEAC-I)**


Methyl-t-Butyl ether	Campaign basis . Will be purchased as on when required.	Drums storage yard	1	0.5	0.075	Maharashtra and Gujrat state	Road
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### 52.Any Other Information

No Information Available


### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	one
Parking details:	Number and area of basement:	Nil
	Number and area of podia:	Nil
	Total Parking area:	112.99
	Area per car:	22.6
	Area per car:	22.6
	Number of 2-Wheelers as approved by competent authority:	10
	Number of 4-Wheelers as approved by competent authority:	5
	Public Transport:	Auto Rickshaw from 200 m the plant boundary
	Width of all Internal roads (m):	5 meter
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 43 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Not Applicable
<b>Water Budget</b>	Not Applicable
<b>Waste Water Treatment</b>	Not Applicable
<b>Drainage pattern of the project</b>	Not Applicable
<b>Ground water parameters</b>	Not Applicable
<b>Solid Waste Management</b>	Not Applicable
<b>Air Quality &amp; Noise Level issues</b>	Not Applicable
<b>Energy Management</b>	Not Applicable
<b>Traffic circulation system and risk assessment</b>	Not Applicable
<b>Landscape Plan</b>	No adequate space for landscape.
<b>Disaster management system and risk assessment</b>	Inadequate space for movement of fire tender.
<b>Socioeconomic impact assessment</b>	Not Applicable
<b>Environmental Management Plan</b>	Not Applicable
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

### DECISION OF SEAC

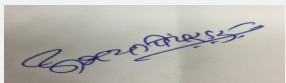
During deliberations with the PP and his accredited consultant, it is revealed that the area of the plot for proposed expansion is only 720 Sq.m, and there is no adequate space for the movement of an emergency vehicle, pollution control equipment, development of requisite green belt etc. The issues discussed at length with the PP and his team and PP agreed to the concerns shown by SEAC with respect to the proposed hazardous activity on site and the safety of people.

In view of above space constraint on the site to carry out expansion in safe and environment friendly manner SEAC decided to reject the proposal.

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal for rejection subject to above reasons.

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 44  
 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat**  
**Dr. Umakant Dangat  
 (Chairman SEAC-I)**

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

**SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018**

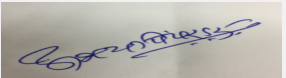
**Subject:** Environment Clearance for Common Biomedical Waste Treatment Facility

**Is a Violation Case:** No

1.Name of Project	Integrated Common Biomedical Waste Treatment Facility for PCMC and adjoining area
2.Type of institution	Private
3.Name of Project Proponent	Pimpri Chinchwad Municipal Corporation
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd., Mumbai
5.Type of project	Common Biomedical Waste Treatment Facility
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	New project
8.Location of the project	Gut no 458/460/461
9.Taluka	Haveli
10.Village	Moshi
Correspondence Name:	Sanjay kulkarni
Room Number:	--
Floor:	--
Building Name:	Pimpri chinchwad Municipal Corporation
Road/Street Name:	Mumbai Pune highway
Locality:	--
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Lease deed executed on 15.06.2012 between PCMC (Leaser) and PESPL (Lessee)
	<b>IOD/IOA/Concession/Plan Approval Number: NA</b>
	<b>Approved Built-up Area: 00</b>
13.Note on the initiated work (If applicable)	No work has started at site
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CIN- U 33129 PN 2005 PTC 020340
15.Total Plot Area (sq. m.)	4000 sq.m
16.Deductions	NA
17.Net Plot area	4000 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.): 00
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)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	20000000


### 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
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**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 45  
 of 76**


Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
 (Chairman SEAC-I)**

1	1	G+1	10	
<b>23.Number of tenants and shops</b>	Not a commercial project			
<b>24.Number of expected residents / users</b>	Approx. 25 employees			
<b>25.Tenant density per hectare</b>	Not a residential project			
<b>26.Height of the building(s)</b>				
<b>27.Right of way (Width of the road from the nearest fire station to the proposed building(s))</b>	30 m			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Peripheral road will be provided with access to all parts of the facility; two gates will be provided			
<b>29.Existing structure (s) if any</b>	None			
<b>30.Details of the demolition with disposal (If applicable)</b>	No demolition is envisaged			
<b>31.Production Details</b>				
<b>Serial Number</b>	<b>Product</b>	<b>Existing (MT/M)</b>	<b>Proposed (MT/M)</b>	<b>Total (MT/M)</b>
1	Waste for incineration	NA	82.125	82.125
2	Waste for autoclaving	NA	54.75	54.75
3	--	NA	NA	NA
<b>32.Total Water Requirement</b>				

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**


**Page 46 of 76**

  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Dry season:	Source of water	PCMC
	Fresh water (CMD):	21
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	31
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	PCMC
	Fresh water (CMD):	18
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	28
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	


### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	2	2	0	0	0	0	1.8	1.8
Industrial Process	0	26	26	0	16	16	0	0	0
Gardening	0	3	3	0	3	3	0	0	0


  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 47 of 76**


Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	~110 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	Since it is a biomedical waste management site, rain water harvesting at site is not proposed.
	<b>Location of the RWH tank(s):</b>	NA
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	NA
	<b>Budgetary allocation (O &amp; M cost) :</b>	NA
	<b>Details of UGT tanks if any :</b>	one tank of 60 cu.m
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Towards Indrayani river on the north east
	<b>Quantity of storm water:</b>	~1018 cum/day
	<b>Size of SWD:</b>	trapezoidal section RCC drain, 0.35 m bottom width x 0.3 m depth + 0.12 m FB
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1.8
	<b>STP technology:</b>	Sewage will be let out into the UGD of PCMC
	<b>Capacity of STP (CMD):</b>	NA
	<b>Location &amp; area of the STP:</b>	NA
	<b>Budgetary allocation (Capital cost):</b>	NA
	<b>Budgetary allocation (O &amp; M cost):</b>	NA
<b>36. Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	From foundation excavation
	<b>Disposal of the construction waste debris:</b>	Soil from foundation excavation will be used for backfilling and site grading. No offsite disposal of construction debris is envisaged.
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	50 kg/day from office administrative operations
	<b>Wet waste:</b>	None
	<b>Hazardous waste:</b>	ETP sludge, incinerator ash - approx. 3 T/month - to be sent to CHWTSDF, Ranjangaon
	<b>Biomedical waste (If applicable):</b>	treated and disinfected biomedical waste - recycled plastic, approx. 11 T/month, to be sold to authorized recyclers
	<b>STP Sludge (Dry sludge):</b>	approx. 1000 kg/month
	<b>Others if any:</b>	NA

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 48 of 76**

**Signature:**   
**Name: Dr. Umakant Gangotree Dangat**  
**Dr. Umakant Dangat (Chairman SEAC-I)**



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	PCMC's municipal waste skip
	<b>Wet waste:</b>	NA
	<b>Hazardous waste:</b>	Storage and disposal to CHWTSDF site, Ranjangaon
	<b>Biomedical waste (If applicable):</b>	Incineration, autoclaving, chemical disinfection, incineration ash and ETP sludge, recycled plastic - respective disposal sinks
	<b>STP Sludge (Dry sludge):</b>	to be sent to CHWTSDF, Ranjangaon
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Within the shed
	<b>Area for the storage of waste &amp; other material:</b>	approx. 350 sq.m
	<b>Area for machinery:</b>	approx 1500 sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Waste storage area is integral of the TSDF. Separate costing has not been arrived at .
	<b>O &amp; M cost:</b>	Approx. Rs. 1.7 Crores/year

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	~8-10	6.5-9.0	5.5-9.0
2	BOD	mg/l	~30	< 30	100
3	COD	mg/l	~350	< 250	250
4	TSS	mg/l	~1500	< 100	100
5	O & G	mg/l	~15	< 10	10

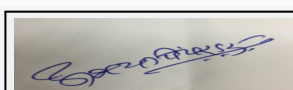
Amount of effluent generation (CMD):	1.8
Capacity of the ETP:	10
Amount of treated effluent recycled :	10
Amount of water send to the CETP:	0
Membership of CETP (if require):	NA
Note on ETP technology to be used	Screen > Seal pit > Reactor cum settling tank (alum dosed and stirred here) > Sludge filtering bags
Disposal of the ETP sludge	ETP sludge will be sent to CHWTSDF, Ranjangaon.

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	kg/month	0	1000	1000 kg/month	Collection, Storage and Disposal to CHWTSDF site
2	Incineration Ash	09 (BMW Rules)	MT/month	0	2	2 MT/month	Collection, Storage and Disposal to CHWTSDF site

### 39. 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	Incinerator	HSD	1	30	0.35	85-110 deg. C



**Abhay Pimparkar (Secretary SEAC-I)**

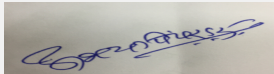
**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 49 of 76**



**Dr. Umakant Dangat (Chairman SEAC-I)**

40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	580 l/day	580 l/day
41.Source of Fuel		Local fuel retailer/kerbside fuel pump		
42.Mode of Transportation of fuel to site		By road, in 200 l MS drums, loaded on to flat bed mini truck		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	1300 sq.m		
	<b>No of trees to be cut :</b>	0		
	<b>Number of trees to be planted :</b>	approx. 145 large trees and other smaller canopy trees and shrubs		
	<b>List of proposed native trees :</b>	Aegle marmelos, Alstonia scholaris , Anthocephallus cadamba, Azadiracta indica, Barringtonia acutangula, Bauhinia purpurea, Cassia fistula, Dalbergia sissoo, Enterolobium saman, Delonix regia		
	<b>Timeline for completion of plantation :</b>	All trees will be planted within 12 months from beginning of construction, or earlier depending on monsoon		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Aegle marmelos	Beal Tree	4	Tree
2	Alstonia scholaris	Satwin	8	"An elegant tall evergreen tree with greyish rough bark. Medicinal plant, bark is used in traditional medicine to treat dysentery and fever"
3	Anthocephallus cadamba	Kadamb	5	"Perrennial Tree up to 45 m tall, without branches for more than 25 m. Native, Medicinal plant,Stembark—febrifugal, antidiuretic, anthelmintic, hypoglycaemic. "
4	Azadiracta indica	Neem	8	" A fast growing, evergreen tree that can reach a height of 15-20 m, rarely to 35-40 m. Used as an insecticide, to manufacture variety of cosmetics"
5	Barringtonia acutangula	Samudra phool	2	"An evergreen tree 5-8 m tall with rough fissured dark grey bark. Medicinal pant has long been used for medicine, timber and as a fish poison."
6	Bauhinia purpurea	Butterfly Tree	6	"A deciduous tree which can reach up to 20 feet tall and have a 25 foot crown. Native tree A good herb for curing Rheumatic pain and swelling"
7	Cassia fistula	Bahava	4	"A tropical ornamental tree with a trunk consisting of hard reddish wood, growing up to 40 feet tall. Medicinal Use- The sweet blackish pulp of the seedpod is used as a mild laxative."



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 50 of 76**

Signature:



Name: Dr. Umakant Dangat

**Dr. Umakant Dangat (Chairman SEAC-I)**

8	Dalbergia sissoo	Sheesham	4	"A medium to large deciduous tree, native to India, with a light crown. It can grow up to a maximum of 25 m in height and 2 to 3 m in diameter. One of the most important cultivated timber tree. "
9	Delonix regia	Gulmohar	3	"An evergreen tree about 30-40 ft tall, but its elegant wide-spreading umbrella-like canopy can be wider than its height. Ornamental tree"
10	Enterolobium saman	Rain Tree	4	"A wide-canopied tree with a large symmetrical crown. It usually reaches a height of 25 m (82 ft) and a diameter of 40 m. Medicinal Plant"

**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	Gardenia jasminoides	0.3 m	1 to 2
2	Nyctanthes arbotristis	1.0 m	2 to 3
3	Lagerstroemia speciosa	2.0 m	6 to 8

**47.Energy**


<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	50 kVA
	<b>DG set as Power back-up during construction phase</b>	No
	<b>During Operation phase (Connected load):</b>	96 kVA
	<b>During Operation phase (Demand load):</b>	96 kVA
	<b>Transformer:</b>	100 kVA
	<b>DG set as Power back-up during operation phase:</b>	One DG set of 100 kVA
	<b>Fuel used:</b>	HSD
<b>Details of high tension line passing through the plot if any:</b>	None	

**48.Energy saving by non-conventional method:**

Yard illumination based on solar PV LEDs

**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV LEDs	upto 40 % saving on illumination w.r.t. CFL lamps

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 51 of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

## 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	NA	High pressure drop Venturi Scrubber followed by droplet separator and stack
Water	NA	ETP
Noise	NA	Acoustic treatment of enclosable machinery, PPE
Solid Waste	NA	CHWTSDF
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 4,50,000/annum
	<b>O &amp; M cost:</b>	Rs. 30,000/annum

## 51.Environmental Management plan Budgetary Allocation

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

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Water sprinkling	1.2
2	Environment Monitoring	Air, water , noise and soil	2
3	Green Belt Development	Tree plantation	1

### 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	High pressure drop Venturi Scrubber followed by droplet separator and stack	~18	~8.4
2	Water Pollution Control	ETP	~15	~8
3	Environment Monitoring	Air, water , noise and soil	~7.5	~8
4	Hazardous waste & Solid waste management	Storage yard and disposal	~2	~30
5	Green Belt Development	Tree plantation and landscaping	~5	~1.5
6	Occupational Health & Safety	Medical check up	~2.5	~7.2
7	Others	EHS training	~5	~3

## 51.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
HSD	fuel	Within site	200 l drum	2 drums of 200 l	15	Local	By road



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 52 of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**


Disinfection chemical (Sodium hypochlorite)	BMW	Within site	35 l carboys	175 l carboys	~ 0.2	Local industrial chemical supplier	By road
Scrubbing medium (Caustic Lye)	chemical	Within site	35 l carboys	15 no. of carboys	~ 1	Local industrial chemical supplier	By road
Alum	chemical	Within site	100 kg bag	5 no. of 100 kg bags	~0.1	Local industrial chemical supplier	By Road

### 52.Any Other Information

No Information Available


### 53.Traffic Management

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	1, gated T exit to the main road with gentle radius
<b>Parking details:</b>	<b>Number and area of basement:</b>	0
	<b>Number and area of podia:</b>	0
	<b>Total Parking area:</b>	250 sq.m
	<b>Area per car:</b>	NA
	<b>Area per car:</b>	NA
	<b>Number of 2-Wheelers as approved by competent authority:</b>	NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	NA
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	approx. 8 m (with variations as per operational requirement)
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	No protected area within 15 km radius
	<b>Category as per schedule of EIA Notification sheet</b>	7(da)
	<b>Court cases pending if any</b>	No

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 53 of 76**

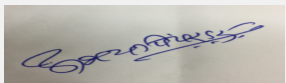

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

	<b>Other Relevant Informations</b>	Service Industry for Bio-medical waste management by Pimpri Chinchwad Municipal Corporation Waste management capacity - 985.5 MT per year for incineration and 657 MT per year for autoclaving <ul style="list-style-type: none"> <li>• One incinerator of 150 kg/hr</li> <li>• One autoclaves of 110 kg/hr</li> <li>• One shredder of 100 kg/hr</li> <li>• Chemical Treatment facility</li> <li>• ETP of 10 m3/day capacity</li> <li>• Associated utilities and amenities</li> </ul>
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Not Applicable
<b>Water Budget</b>	Not Applicable
<b>Waste Water Treatment</b>	Not Applicable
<b>Drainage pattern of the project</b>	Not Applicable
<b>Ground water parameters</b>	Not Applicable
<b>Solid Waste Management</b>	Not Applicable
<b>Air Quality &amp; Noise Level issues</b>	Not Applicable
<b>Energy Management</b>	Not Applicable
<b>Traffic circulation system and risk assessment</b>	Not Applicable
<b>Landscape Plan</b>	Not Applicable
<b>Disaster management system and risk assessment</b>	Not Applicable
<b>Socioeconomic impact assessment</b>	Not Applicable
<b>Environmental Management Plan</b>	Not Applicable
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

 <b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018</b>	<b>Page 54 of 76</b>	 <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>
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PP submitted their application for the grant of TOR under category 7(da)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 127th meeting of SEAC-I held on 12th and 13th May, 2016.

The proposal is only for common biomedical waste treatment facility at Gut No. 458/460/461 in the PimpriChinchwad Municipal Corporation area.

The proposal was considered in 145th meeting and decided as below,

After detailed deliberations it was observed that PP (PCMC) has not conducted Public Hearing as per EIA NOTIFICATION, 2006 for the proposed project. Committee felt as it is a mandatory requirement PP shall conduct Public Hearing and upload final EIA/EMP report for further appraisal.

In view of above, SEAC-I decided to defer the proposal till PP submits Public Hearing Report and final EIA/EMP report.


### DECISION OF SEAC

PP remained absent.

**Specific Conditions by SEAC:**


### FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 55  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018

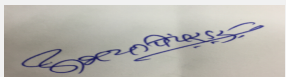
**Subject:** Environment Clearance for Synthetic Chemical /API /Intermediates Manufacturing Industry

**Is a Violation Case:** No

1.Name of Project	M/s Shakti Industries
2.Type of institution	Private
3.Name of Project Proponent	Mr Milind Patel
4.Name of Consultant	M/s S G M Corporate Consultant Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Change in Product Mix
8.Location of the project	Plot No. K-2, MIDC area, Tarapur, Palghar
9.Taluka	Palghar
10.Village	Tarapur
11.Area of the project	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 2205
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1644.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 2205
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	55000000

## 22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		

  
Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 56  
of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)




25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

### 31.Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Methyl Testosterone, Dydrogesterone	00	0.050	0.050
2	Testosterone its derviatives	00	0.450	0.450
3	Nandrolone its derviatives	00	0.150	0.150
4	Tibolone	00	0.005	0.005
5	Norethisterone , Progesterone	00	0.05	0.05
6	Estradiol its derviatives	00	0.025	0.025
7	Levonorgestrel, Nandrolone Decanoate	00	0.005	0.005
8	Ethylene Estradiol	00	0.005	0.005
9	Dinosterol , Dutasteride	00	0.01	0.01
10	Fluticasone Propionate, Fluticasone Fuorate, Fluticasone Base, Flurocortisone Acetate	00	0.015	0.015
11	Budesonide, BeclomethasoneDipropionate	00	0.010	0.010
12	Mometasone furoate, Flunisolide	00	0.025	0.025
13	Finasteride , Triamcinolone,	00	0.025	0.025
14	Prednisolone sodium phosphate	00	0.100	0.100
15	Prednisolone acetate	00	0.025	0.025

### 32.Total Water Requirement

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**


**Page 57 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

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


### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	01	01	02	0.2	0.2	0.4	0.8	0.8	1.6
Industrial Process	20	-14	06	15	01	01	05	05	05
Cooling tower & thermopack	01	02	03	0.9	1.9	2.8	0.1	0.1	0.2
Gardening	0.5	0.5	1.0	0.5	0.5	1.0	00	00	00

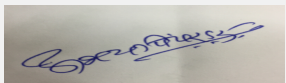
  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 58 of 76**


**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	5 to 6.0 m
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 x 10 cum
	<b>Location of the RWH tank(s):</b>	Ground
	<b>Quantity of recharge pits:</b>	NA
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	0.50
	<b>Budgetary allocation (O &amp; M cost) :</b>	0.10
	<b>Details of UGT tanks if any :</b>	25 CUM
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Diverted into MIDC drain
	<b>Quantity of storm water:</b>	0.25 cum/sec
	<b>Size of SWD:</b>	300 x 400 mm
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	1.6
	<b>STP technology:</b>	Septic Tank & over flow diverted int ETP.
	<b>Capacity of STP (CMD):</b>	NA
	<b>Location &amp; area of the STP:</b>	NA
	<b>Budgetary allocation (Capital cost):</b>	NA
	<b>Budgetary allocation (O &amp; M cost):</b>	NAS
<b>36.Solid waste Management</b>		
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	NA
	<b>Disposal of the construction waste debris:</b>	NA
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	10 Kg
	<b>Wet waste:</b>	05 kg
	<b>Hazardous waste:</b>	List Given below
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 59 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed Over to MIDC
	<b>Wet waste:</b>	Handed Over to MIDC
	<b>Hazardous waste:</b>	Details given below
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	NA
	<b>Area for the storage of waste &amp; other material:</b>	NA
	<b>Area for machinery:</b>	NA
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	NA
	<b>O &amp; M cost:</b>	NA

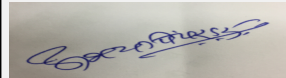
### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	6.5 -7.5	5.5-9.0
2	BOD	mg/lit	3250 -3500	<100	100
3	COD	mg/lit	7220 - 8910	<250	250
4	SS	mg/lit	320-480	<100	100
5	Oil & Grease	mg/lit	30-40	<10	10
Amount of effluent generation (CMD):		5.0			
Capacity of the ETP:		10 cum			
Amount of treated effluent recycled :		00			
Amount of water send to the CETP:		5.0			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Physico-chemical treatment with ME			
Disposal of the ETP sludge		chwtstf			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	28.2	Spent Carbon	TPM	00	0.06	0.06	CHWTSDF
2	33.3	Liners, Barrels / Containers	TPM/NO	00	0.02/20 NO.	0.02/20 NO.	CHWTSDF
3	34.3	Chemical Sludge	TPM	0.02	0.04	0.06	CHWTSDF
4	36.4	Residues	TPM	00	0.100	0.100	CHWTSDF
5	20.2	Spent solvent	TPM	00	0.5	0.5	CHWTSDF /Authorised Vendor

### 39. Stacks emission Details

 <b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018</b>	<b>Page 60 of 76</b>	 <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>
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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	FO 300 KG	1	30	0.45	120
2	Scrubber	na	1	15	0.2	45

#### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	furnace oil	0.30 TPD	00	0.30 TPD

41.Source of Fuel Local vendor

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	274.20 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	given below
	Timeline for completion of plantation :	Oct 17

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	05	Medicinal plant
2	Caryota urens	Fish Tail palm	05	Nitrogen fixer, ornamental plant
3	Neolamarkia cadamba	Kadamba tree	04	Tropical fruit tree & bird attracting tree
4	Cassia fistula	Bahava	02	Used in pesticide & dye preparation
5	Mimusopes elengi	Bakul	04	Evergreen tree,
6	Saraca indica	Sita ashok	05	Evergreen medicinal plant

45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

#### 47.Energy



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018

Page 61 of 76



Name: Dr. Umakant Dangat (Chairman SEAC-I)

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB
	<b>During Construction Phase: (Demand Load)</b>	NA
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	375
	<b>During Operation phase (Demand load):</b>	275
	<b>Transformer:</b>	300
	<b>DG set as Power back-up during operation phase:</b>	250
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48. Energy saving by non-conventional method:

Use of LED light in premises.

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED light in premises.	NA

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emissions from Process	Scrubber	Scrubber
Effluent generation	ETP	MEE
Noise	Acoustic Enclosures	Acoustic Enclosure
Hazardous waste	CHWTSDF	CHWTSDF

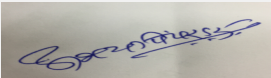
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	1.50 Lac
	<b>O &amp; M cost:</b>	0.20 Lac

#### 51. Environmental Management plan Budgetary Allocation

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


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

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

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 62 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	PM-10, PM 2.5, SO2 etc	15.0	0.75
2	Water Pollution control	pH, COD, BOD, TSS etc	55.0	6.25
3	Noise	Noise	2.5	0.25
4	Hazardous waste	Soli Contamination	2.0	3.0
5	Rain water Harvesting	Water conservation	0.50	0.10
6	Occupational Health & safety	Safety	8.0	1.0
7	Green Belt	Plantation	0.50	0.25

### 51.Storage of chemicals (inflamable/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
Methanol	Toxic	HDPE Drums	3.0	3.0	3.0	Local vendor	By road
Acetone	Toxic	HDPE/MS Drums	0.50	0.50	1.0	Local vendor	By road
Hexane	Fire	HDPE/MS Drums	0.05	0.05	0.10	Local vendor	By road
Ethyl Acetate	Fire	HDPE Drums	0.50	0.50	1.0	Local vendor	By road
Isopropyl alcohol	Fire	HDPE Drums	0.01	0.01	0.02	Local vendor	By road
Methyl chloride	Toxic	HDPE Drums	1.0	1.0	1.0	Local vendor	By road
Tetrahydrofuran	Toxic	HDPE Drums	0.05	0.05	0.05	Local vendor	By road
Dimethyl sulfoxide	Toxic	HDPE Drums	0.07	0.07	0.15	Local vendor	By road
Dimethyl Form amide (DMF)	Toxic	HDPE Drums	0.05	0.05	0.10	Local vendor	By road
Sulfuric acid	Corrosive	HDPE Drums	0.005	0.010	0.025	Local vendor	By road
Hydrochloric Acid	Corrosive	HDPE Drums	0.20	0.200	0.200	Local vendor	By road

### 52.Any Other Information

No Information Available

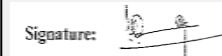
### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Two
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**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

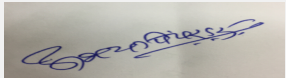
**Page 63 of 76**

  
**Dr. Umakant Dangat (Chairman SEAC-I)**

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	198.50
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f) -B1
	Court cases pending if any	NA
	Other Relevant Informations	This project is recommended for TOR in 135th meeting of SEAC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2016

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge for the propped expansion, PP provided scrubber and stack height of 30 meters to control the air pollution. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits.
<b>Water Budget</b>	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
<b>Waste Water Treatment</b>	PP proposes Effluent Treatment Plant and Zero Liquid Discharge for proposed expansion.
<b>Drainage pattern of the project</b>	Not Applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**


**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 64  
 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
 (Chairman SEAC-I)**




<b>Ground water parameters</b>	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.
<b>Solid Waste Management</b>	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
<b>Air Quality &amp; Noise Level issues</b>	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
<b>Energy Management</b>	The electrical demand for proposed project is 375KW, which will be supplied by MSEDCL. PP also proposes to have 250 KW DG set with HSD as a fuel. PP has committed to use LED lights in the premises for energy saving. PP to provide solar energy for street lights and office buildings.
<b>Traffic circulation system and risk assessment</b>	PP has indicated in the lay out plan that internal roads will be of six meter width along with nine meters of turning radius for smooth circulation of traffic. PP provided parking area of 198.5 Sq.m as per DC Rules of MIDC.
<b>Landscape Plan</b>	PP to provide 33% green belt within the premises. PP obtained permission from MIDC to develop garden to the adjacent areas of the plot.
<b>Disaster management system and risk assessment</b>	PP carried out HAZOP and Risk Assessment and submitted DMP.
<b>Socioeconomic impact assessment</b>	PP has carried out socio economic impact study and included in the EIA report.
<b>Environmental Management Plan</b>	PP prepared EMP cost of Rs.83.5 Lakh as capital cost and Rs,11.6 Lakh as O & M cost to maintain environmental parameters.
<b>Any other issues related to environmental sustainability</b>	NA
<b>Brief information of the project by SEAC</b>	



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 65 of 76**



**Signature: Dr. Umakant Dangat (Chairman SEAC-I)**

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. The proposal was considered by earlier SEAC-1 in their 135th meeting held on 21st to 23rd September, 2016 where in ToR was granted to the project. Now PP submitted the EIA/EMP reprot for the appraisal in the 140th meeting wherein proposal was deferred till PP submits compliance of below points,

1. PP to submit undertaking for not having any ecological sensitive area with the study area of the project as per EIA Notification, 2006.
2. PP proposes Zero Liquid Discharge and also proposes 2 KLD fresh water for gardening; PP to submit clarification on the same.
3. PP to maintain stack height of 30 meters as suggested by earlier SEAC-1.
4. PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.
5. PP to submit structural stability certificate of existing buildings.
6. PP to carry out detailed HAZOP and QRA study and submit a report.
7. P to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.
8. PP to submit an undertaking for Zero Liquid Discharge and submit design details of pollution Control Equipment proposed for achieving Zero Liquid Discharge.
9. PP to submit copy of on site /off site emergency plan.
10. PP to submit report on chemical compatibility and its storage.

## DECISION OF SEAC

Afetr deliberations with the PP and thri accredited consultant, SEAC decided to recommend the proposal for prior Environemntal Clearance subject to compliance of below point.

### Specific Conditions by SEAC:

- 1) PP to ensure to provide 33% green belt within the plot area of the proposed project.

## FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 66  
of 76**



**Dr. Umakant Dangat  
(Chairman SEAC-I)**

## 149th Meeting of State Expert Appraisal Committee (SEAC-1)


**SEAC Meeting number: 149th Day-4 Meeting Date April 5, 2018**

**Subject:** Environment Clearance for Environment Clearance for Opencast mining project, Area 4.8 Ha; Production Capacity @ 4680 TPA of Manganese at Survey No 32 (P), Village - Pali, Tehsil - Parseoni, District - Nagpur.

**Is a Violation Case:** No


1.Name of Project	Pali Manganese Ore Deposit
2.Type of institution	Private
3.Name of Project Proponent	Anil M. Gupta & Others
4.Name of Consultant	Srushti Seva Private Limited
5.Type of project	Mining Project
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	Survey No 32 (P)
9.Taluka	Parseoni
10.Village	Pali
Correspondence Name:	Mr. Anil M. Gupta
Room Number:	.
Floor:	.
Building Name:	.
Road/Street Name:	.
Locality:	At & Po - Khapa
City:	Khapa, Dist Nagpur
11.Area of the project	Grampanchayat area
12.IOD/IOA/Concession/Plan Approval Number	No 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
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
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	10700000

## 22.Number of buildings & its configuration

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 67  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
(Chairman SEAC-I)**


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23.Number of tenants and shops	Not applicable		
24.Number of expected residents / users	Not applicable		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Not Applicable		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable		
29.Existing structure (s) if any	Not applicable		
30.Details of the demolition with disposal (If applicable)	Not applicable		

### 31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Manganese Ore	Nil	390	390

### 32.Total Water Requirement

Dry season:	Source of water	Tanker Supply and mine pit
	Fresh water (CMD):	6
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	4 CMD - Dust Supression, 1 CMD - Plantation
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	6
	Fire fighting - Underground water tank(CMD):	Nil
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil

  
Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 68  
of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)


Wet season:	Source of water	Tanker Supply
	Fresh water (CMD):	1
	Recycled water - Flushing (CMD):	Nil
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	1
	Fire fighting - Underground water tank(CMD):	Nil
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	Nil

Details of Swimming pool (If any)	Not applicable
-----------------------------------	----------------

### 33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Water Requirement									
Domestic	Nil	1	1	Nil	1	Nil	Nil	Nil	Nil
Gardening	Nil	5	5	Nil	5	5	Nil	Nil	Nil
Fresh water requirement	Nil	6	6	Nil	6	6	Nil	Nil	Nil

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 to 12 m bgl
	Size and no of RWH tank(s) and Quantity:	Garland drain, length 200 m
	Location of the RWH tank(s):	Around the pit
	Quantity of recharge pits:	400 m <sup>3</sup>
	Size of recharge pits :	200 m Length x 2 m width x 1 m depth
	Budgetary allocation (Capital cost) :	1 lakh
	Budgetary allocation (O & M cost) :	0.20 lakh
	Details of UGT tanks if any :	Not Applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 69 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**


<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Not Applicable. However, the storm water due to rainfall will be channelized to the natural water courses like gullies through appropriate drainage system with check bunds.
	<b>Quantity of storm water:</b>	Rainfall runoff
	<b>Size of SWD:</b>	.
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Nil
	<b>STP technology:</b>	Not Applicable
	<b>Capacity of STP (CMD):</b>	Not Applicable
	<b>Location &amp; area of the STP:</b>	Not Applicable
	<b>Budgetary allocation (Capital cost):</b>	Not Applicable
	<b>Budgetary allocation (O &amp; M cost):</b>	Not Applicable
<b>36.Solid waste Management</b>		
<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>	25036 m3
	<b>Wet waste:</b>	Nil
	<b>Hazardous waste:</b>	Nil
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Nil
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Top soil will be used for plantation and waste materials will be dumped on non-mineral area which will be biologically stabilized
	<b>Wet waste:</b>	Not Applicable
	<b>Hazardous waste:</b>	Not Applicable
	<b>Biomedical waste (If applicable):</b>	Not Applicable
	<b>STP Sludge (Dry sludge):</b>	Not Applicable
	<b>Others if any:</b>	Not Applicable
<b>Area requirement:</b>	<b>Location(s):</b>	On non mineralized area within the mining lease
	<b>Area for the storage of waste &amp; other material:</b>	0.629 Ha
	<b>Area for machinery:</b>	Not required
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Not Applicable
	<b>O &amp; M cost:</b>	Not Applicable
<b>37.Effluent Charecterestics</b>		



**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 70 of 76**

Signature:   
Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

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):		Nil			
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			

### 38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

### 39.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

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	None	Not Applicable	Not Applicable	Not Applicable

41.Source of Fuel

Not Applicable

42.Mode of Transportation of fuel to site

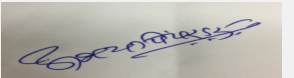
Not Applicable

### 43.Green Belt Development

<b>Total RG area :</b>	Not Applicable
<b>No of trees to be cut :</b>	None
<b>Number of trees to be planted :</b>	10000
<b>List of proposed native trees :</b>	Awala, Behada, Kadulimb, Moha, Kawath
<b>Timeline for completion of plantation :</b>	Upto conceptual period (7 years)


### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Kadunimb	2000	Created to intercept dust, gaseous pollutants and noise
2	Cassia fistula	Behada	1000	Created to intercept dust, gaseous pollutants and noise

  
Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018

Page 71  
of 76

Signature:   
Name: Dr. Umakant Dangat  
Dr. Umakant Dangat  
(Chairman SEAC-I)

3	Madhuca indica	Moha	1000	Created to intercept dust, gaseous pollutants and noise and Fruits
4	Emblica officinalis	Amla	2000	Created to intercept dust, gaseous pollutants and noise and Fruits
5	Tectona grandis	Sag	2000	Created to intercept dust, gaseous pollutants and noise to be used for timber
6	Other local species	-	2000	Created to intercept dust, gaseous pollutants and noise and Fruits

45.Total quantity of plants on ground

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	Maharashtra State Power Distribution Company Limited
	<b>During Construction Phase: (Demand Load)</b>	Not Applicable
	<b>DG set as Power back-up during construction phase</b>	Not Applicable
	<b>During Operation phase (Connected load):</b>	500 KV
	<b>During Operation phase (Demand load):</b>	500 KV
	<b>Transformer:</b>	1 Transformer
	<b>DG set as Power back-up during operation phase:</b>	No
	<b>Fuel used:</b>	Not Applicable
	<b>Details of high tension line passing through the plot if any:</b>	None

**48.Energy saving by non-conventional method:**

It is proposed to install 5 Solar Light poles within mining lease area to saving energy by non-conventional method.


**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	Solar light	5 lamps

**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
-	-	-

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs 40000/-
	<b>O &amp; M cost:</b>	Rs. 5000/-

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

**Page 72 of 76**

**Signature:**   
**Name: Dr. Umakant Dangat (Chairman SEAC-I)**



## 51.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	Nil	2
2	Water Pollution Control	Desilting Tanks, garland drain, Boulder Check plug, Septic Tanks/Soak Pits, Mine water sedimentation pond & pumps	3	Nil
3	Pollution Monitoring	Hydrogeological monitoring, Air, Water, Noise Vibration Monitoring	Nil	2
4	Conservation of Natural Resources	Solar Lightening arrangement, Rainwater Harvesting ,Soil preservation (biological reclamation)	2	Nil
5	Plantation /Reclamation	Biological reclamation, Plantation, Reclamation (Dump)	1	1
6	Occupational Health	Fire Fighting Equipments (portable), Personnel protection equipments (goggles , gloves, helmets, dust mask, safety boots)	1	0.5


## 51.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
None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

## 52.Any Other Information

No Information Available

## 53.Traffic Management

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date: April 5, 2018**

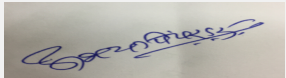
**Page 73 of 76**

  
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat (Chairman SEAC-I)**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Not Applicable
<b>Parking details:</b>	<b>Number and area of basement:</b>	Not Applicable
	<b>Number and area of podia:</b>	Not Applicable
	<b>Total Parking area:</b>	Not Applicable
	<b>Area per car:</b>	Not Applicable
	<b>Area per car:</b>	Not Applicable
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Not Applicable
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Not Applicable
	<b>Public Transport:</b>	Not Applicable
	<b>Width of all Internal roads (m):</b>	Not Applicable
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<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>	-

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
<b>Water Budget</b>	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
<b>Waste Water Treatment</b>	Not Applicable

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 74  
 of 76**

**Signature:**   
**Name: Dr. Umakant Gangotree Dangat  
 Dr. Umakant Dangat  
 (Chairman SEAC-I)**

<b>Drainage pattern of the project</b>	During rainy season, PP to provide adequate storm water drains to prevent entry of the rain water in the mine pit.
<b>Ground water parameters</b>	Not Applicable as per data submitted by PP ground water parameters are within the prescribed limits at project site.
<b>Solid Waste Management</b>	Top soil will be used for plantation and waste materials will be dumped on site in non mineral area which will be biologically stabilized.
<b>Air Quality &amp; Noise Level issues</b>	As per data submitted by PP Air Quality and noise parameters are within the prescribed limits at project site.
<b>Energy Management</b>	Solar lights will be used for illumination on site.
<b>Traffic circulation system and risk assessment</b>	PP provided internal roads of six meters width for smooth circulation of traffic.
<b>Landscape Plan</b>	The proposed mine area will be converted into green belt after completion of mining activity as per approved closure plan.
<b>Disaster management system and risk assessment</b>	PP carried out HAZOP and Risk Assessment and submitted DMP.
<b>Socioeconomic impact assessment</b>	PP has carried out socio economic impact study and included in the EIA report.
<b>Environmental Management Plan</b>	PP prepared EMP cost of Rs.7 Lakh as capital cost and Rs.5.5 Lakh as O & M cost to maintain environmental parameters.
<b>Any other issues related to environmental sustainability</b>	Not Applicable

### Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.


The Public Hearing of the projects was carried out on 08.09.2017, now PP submitted EIA report and Public Hearing Report for appraisal.

The proposed land is situated at a distance of 50 meters from the boundary of Pench Project. PP brought the OM issued by MoEF&CC dated 20.08.2014 to the notice of SEAC, the relevant para of the said OM is reproduced below,

***" Over a period of time, this Ministry has notified a number of Eco Sensitive Zones (ESZ's) around PAs. Many of development activities are prohibited/ regulated in these ESZs as per the notifications issued for their constitution. It may be noted that, for regulated activities requiring prior ECs within such ESZs prior clearance of the Standing Committee of NBWL will be required in view of aforesaid Supreme Court Order dated 04.12.2016, the only difference being that the distance of 10 KM gets substituted by the boundary limits of such ESZs."***


In view of above OM, SEAC decided to appraise the proposal as category "B".

### DECISION OF SEAC

  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
 April 5, 2018**

**Page 75  
 of 76**

Signature:   
 Name: Dr. Umakant Dangat  
**Dr. Umakant Dangat  
 (Chairman SEAC-I)**

This EC will be for the mining of 5200MT of Manganese.

After detailed deliberations with the PP and his accredited consultant, SEAC decided to recommend the proposal for prior Environmental Clearance to the SEIAA.

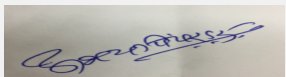
**Specific Conditions by SEAC:**

- 1) PP to obtain permission from the Irrigation Department under Maharashtra Irrigation Act, 1976 for mining on the proposed plot as it is situated within 200 mtrs. from existing irrigation canal.
- 2) PP to ensure to reroute the high voltage transmission line out of the proposed land before taking any effective steps for mining activity.
- 3) PP to utilize CSR funds in consultation with the District Authority. PP to maintain separate account for CSR funds.

**FINAL RECOMMENDATION**


SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-000000000065

  
**Abhay Pimparkar (Secretary  
SEAC-I)**

**SEAC Meeting No: 149th Day-4 Meeting Date:  
April 5, 2018**

**Page 76  
of 76**

Signature:   
Name: Dr. Umakant Dangat  
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