

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

SEAC Meeting number: 149th Day- 6 Meeting Date April 7, 2018


**Subject:** Environment Clearance for Proposed R&D Laboratory center

**Is a Violation Case:** No

1.Name of Project	Proposed R&D Laboratory center by ELANTAS Beck India Ltd (R & D Centre).
2.Type of institution	Private
3.Name of Project Proponent	ELANTAS Beck India Ltd (R & D Centre).
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Other Research & Development Laboratory
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	CTS No.6019, 6020/2 & 6020/3, S.No. 146C, 146D, 147/2, 147/3, 155B/1 Mumbai-Pune Road
9.Taluka	Haveli
10.Village	Pimpri
Correspondence Name:	Dr. Vinayak Bhanu
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	CTS No.6019, 6020/2 & 6020/3, S.No. 146C, 146D, 147/2, 147/3, 155B/1 Mumbai-Pune Road
Locality:	Pimpri
City:	Pune
11.Area of the project	Pimpri Chinchwad Municipal Corporation
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.)	6481.70 sq. m.
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.): 3003.03
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	194247000

## 22.Number of buildings & its configuration

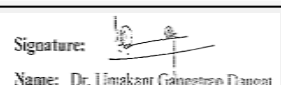
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
---------------	------------------------	------------------	-------------------------------



Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018

Page 1 of  
51



Dr. Umakant Dangat  
(Chairman SEAC-I)


1	Not applicable	Not applicable	Not applicable	
<b>23.Number of tenants and shops</b>	NA			
<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>	NA			
<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			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	No any product manufacturing involve, Research Process mainly consists of polymerization, poly-condensation and cold mixing /blending. Reaction temperature varies between 50°C to 250°C and the reactions are carried out under ambient pressure and under blanket of inert gases.	00	00	0
<b>32.Total Water Requirement</b>				



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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 2 of 51**




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

<b>Dry season:</b>	<b>Source of water</b>	Not applicable
	<b>Fresh water (CMD):</b>	10
	<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>	10
	<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>	NA	


### 33.Details of Total water consumed


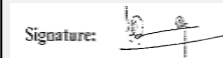
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	0	10	10	00	00	00	0	06	6
Industrial Process	00	01	1	0	0	0	0	0.5	0.5
Domestic	00	07	0	0	0	0	0	5.5	5.5
Gardening	00	02	0	0	0	0	0	0	0

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 3 of 51**

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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	NA	
	<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>	1	
	<b>Size of recharge pits :</b>	3 mtr ( L ) x 3 mtr ( W ) x 1mtr(D)	
	<b>Budgetary allocation (Capital cost) :</b>	5 lakhs	
	<b>Budgetary allocation (O &amp; M cost) :</b>	1 lakhs	
	<b>Details of UGT tanks if any :</b>	NA	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	Overflow/surplus water from the recharge pit will be discharged to storm water drainage	
	<b>Quantity of storm water:</b>	NA	
	<b>Size of SWD:</b>	NA	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	NA	
	<b>STP technology:</b>	NA	
	<b>Capacity of STP (CMD):</b>	0	
	<b>Location &amp; area of the STP:</b>	In the premises	
	<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>	NA	
	<b>Disposal of the construction waste debris:</b>	NA	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	15 MTA	
	<b>Wet waste:</b>	NA	
	<b>Hazardous waste:</b>	Used /spent oil,Spent solvent,Distillation residue,Wastes and residue,Wastes/residues ,Sludge from treatment of waste water,Discarded containers / barrels / liner, Chemical sludge	
	<b>Biomedical waste (If applicable):</b>	Nil	
	<b>STP Sludge (Dry sludge):</b>	Nil	
	<b>Others if any:</b>	Nil	
 <b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018</b>	<b>Page 4 of 51</b>	 Name: Dr. Umakant Dangat <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Papers & Card boards, Plastic & HDPE, Woods & pallets etc. will be sale
	<b>Wet waste:</b>	NA
	<b>Hazardous waste:</b>	Sent to CHWTSDF
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	NA
	<b>Others if any:</b>	Not Application
<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	mg/l	5 - 8	5.5 - 9.5	5.5-9.0
2	Total Suspended Solids	mg/l	150-250	<100	100
3	Total Dissolved Solids	mg/l	450-550	<2100	2100
4	Biological Oxygen Demand	mg/l	200-400	<100	100
5	Chemical Oxygen Demand	mg/l	700-1000	<250	250
6	Oil & Grease	mg/l	10-25	<10	10

Amount of effluent generation (CMD):	2
Capacity of the ETP:	5
Amount of treated effluent recycled :	0
Amount of water send to the CETP:	0
Membership of CETP (if require):	0
Note on ETP technology to be used	The effluent steams of Research Laboratories are collected in effluent collection tank cum settling tank through oil / solvent trap. Settleable solids are settled by gravity then the effluent is collected in common collection cum settling. This effluent will pump into collection tank for equalization cum neutralization. Chemical sludge from settling tank is disposed of to CHWTSDF. Effluent after neutralization and equalization is charged into aeration tank / Lagoon. The aeration tank is operate
Disposal of the ETP sludge	Disposed of to CHWTSDF

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used /spent oil	5.1	MT/A	0	1	1	Authorized Re-processor
2	Spent solvent	20.2	MT/A	0	2	2	Authorized Re-processor

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 5 of 51**

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

3	Distillation residue	20.3	MT/A	0	1	1	Sent to CHWTSDF
4	Wastes and residue	21.1	MT/A	0	2	2	Sent to CHWTSDF
5	Wastes/residues (not made with vegetable or animal mate)	23.1	MT/A	0	2	2	Sent to CHWTSDF
6	Sludge from treatment of waste water	33.2	MT/A	0	2	2	Sent to CHWTSDF
7	Discarded containers / barrels / liner	33.3	no./A	0	2500	2500	Authorized Re-processor
8	Chemical sludge from waste water treatment	34.3	MT/A	0	2	2	Sent to CHWTSDF

### 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	1	25 lit/hr	1	05	0.15	-

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	25 L/hr	25 L/hr

41.Source of Fuel Authorized Vendors

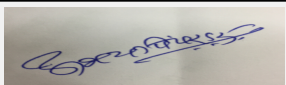
42.Mode of Transportation of fuel to site Road

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2463.046 sq.m.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	250
	<b>List of proposed native trees :</b>	Son chafa , Royal Palm, Suru, Neem, etc.
	<b>Timeline for completion of plantation :</b>	1-2 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	Son chafa	Magnolia champaca	30	Beautification, Medicinal Value,
2	Royal Palm	Roystonea regia	30	Beautification
3	Suru	Casuarina equisetifolia	15	Beautification
4	Neem	Azadirachta indica	25	Pollution control , Medicinal Value
5	Tamhan	Lagerstroemia speciosa	25	Beautification
6	Kusar/ Ran mogra	Jasminum Malabaricum	30	Beautification
7	Chitrak	Plumbago auriculata	30	Beautification, Medicinal Value,
8	Putranjiva	Putranjiva roxburghii	25	Native species, Medicinal Value
9	Kunti	Murraya paniculata	30	Beautification, Medicinal Value

### 45.Total quantity of plants on ground

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

Page 6 of 51

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

**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	0	0

**47.Energy**

<b>Power requirement:</b>	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	687 KW
	During Operation phase (Demand load):	258 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	320 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

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

Solar plant is 250 KWp supply electricity generated to corporate office & new R&D building.

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

Serial Number	Energy Conservation Measures	Saving %
1	NA	0


**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
Effluent	NA	ETP
Solid waste	NA	Sent to CHWTSDF
DG set	Not applicable	DG set as per CPCB standards

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	Capital cost:	166.97 lakhs
	O & M cost:	3-5 lakhs


**51.Environmental Management plan Budgetary Allocation****a) Construction phase (with Break-up):**

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

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

Page 7 of 51

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

1	Air and Noise Environment	Water For Dust Suppression, Air & Noise monitoring	0.50
2	Water Environment	Tanker water for construction Water monitoring	0.50
3	Land Environment	Site Sanitation Gardening	1
4	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Personal protective equipment	1.75

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

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	NA	2.5
2	Water	RWH	5	1
3	effluent	ETP	7	2
4	Energy	Solar PV Cells	166.79	5
5	Land Environment	Gardening	10	2
6	Solid waste	Solid waste management E-waste management Top soil management	5	1

**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	0	0	0	NA	NA

**52.Any Other Information**

No Information Available


**53.Traffic Management**

Nos. of the junction to the main road & design of confluence:	NA
---	----

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

Page 8 of 51


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:	NA
	Area per car:	NA
	Area per car:	NA
	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 m
	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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	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- 6 Meeting Date: April 7, 2018**

**Page 9 of 51**



**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

### DECISION OF SEAC

PP obtained Consent from Maharashtra Pollution Control Board dated 14.12.2017 for manufacturing of (i) Insulation - wire Enamel Resin - 4000 Kg/A (ii) Development Product filled compound using Epoxy Resin - 5000 Kg/A (iii) Coating and Sealants - varnish or water based paint and hardner user in Varnish and Compunds - 4000 Kg/A hence, MPCB asked PP to obtain Environmental Clearance.

During deliberations with PP and their accredited consultant, it is informed that there will be only R&D activity on the proposed site and no manufacturing will be carried out. The products obtained out of R&D will be disposed at Common Hazardous Waste Treatment, Storage and Disposal facility at Ranjangaon.

In view of above facts SEAC suggested PP to clarify following point,

i) Whether PP intends to manufacture products along with R&D activity on the proposed site? ,

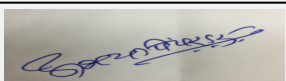
If PP donot intend to carry out any manufacturign activity on the proposed site except R&D , PP may approach MPCB for necessary coorections in the Consent letter.

In view of above, SEAC decided to defer the proposal till clarification from PP submitted to the SEAC.

**Specific Conditions by SEAC:**

### FINAL RECOMMENDATION

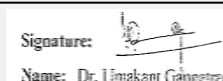
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 10 of 51**



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

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


**SEAC Meeting number: 149th Day- 6 Meeting Date April 7, 2018**

**Subject:** Environment Clearance for Proposed establishment of Synthetic organic chemical manufacturing facility at Plot No. K-4/2, Additional MIDC Mahad, Mahad, Dist. Raigad by Veeral Additives Private Limited

**Is a Violation Case:** No


<b>1.Name of Project</b>	Proposed establishment of Synthetic organic chemical manufacturing facility at Plot No. K-4/2, Additional MIDC Mahad, Mahad, Dist. Raigad by Veeral Additives Private Limited
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	Veeral Additives Private Limited
<b>4.Name of Consultant</b>	Aditya Environmental Services Pvt. Ltd.
<b>5.Type of project</b>	Industrial project
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not applicable.
<b>8.Location of the project</b>	Plot No. K-4/2, Additional MIDC Mahad, Mahad, Dist. Raigad
<b>9.Taluka</b>	Mahad
<b>10.Village</b>	Kalij village
<b>Correspondence Name:</b>	Jayesh Ashar
<b>Room Number:</b>	1102
<b>Floor:</b>	11th Floor, G Block
<b>Building Name:</b>	Parinee Crescenzo
<b>Road/Street Name:</b>	Bandra Kurla Complex
<b>Locality:</b>	Bandra Kurla Complex
<b>City:</b>	Mumbai
<b>11.Area of the project</b>	Additional MIDC Mahad
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	MIDC plan approval
	<b>IOD/IOA/Concession/Plan Approval Number:</b> MIDC plan approval
	<b>Approved Built-up Area:</b> 17358
<b>13.Note on the initiated work (If applicable)</b>	Not applicable
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	MIDC plan approval
<b>15.Total Plot Area (sq. m.)</b>	20000
<b>16.Deductions</b>	Not applicable
<b>17.Net Plot area</b>	Not applicable
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> Not applicable
	<b>b) Non FSI area (sq. m.):</b> Not applicable
	<b>c) Total BUA area (sq. m.):</b> 17358
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	Not applicable
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	Not applicable
<b>21.Estimated cost of the project</b>	1000000000

## 22.Number of buildings & its configuration


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

**SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018**

**Page 11  
of 51**


**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))	Min 6 m			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m			
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	Anti-Oxidants AO-1010 & AO-1076	0	16000 TPA	16000 TPA
2	Anti-Oxidants AO- 168	0	8000 TPA	8000 TPA
3	Intermediate for Anti-Oxidants (Metilox)	0	16000 TPA	16000 TPA
4	Methanol (By product)	0	1600 TPA	1600 TPA
5	32% HCl (By product)	0	6000 TPA	6000 TPA
<b>32.Total Water Requirement</b>				

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**


**Page 12 of 51**

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

<b>Dry season:</b>	<b>Source of water</b>	MIDC
	<b>Fresh water (CMD):</b>	537 cmd (Fresh from MIDC)
	<b>Recycled water - Flushing (CMD):</b>	207 cmd (recycle for utilities)
	<b>Recycled water - Gardening (CMD):</b>	Not applicable
	<b>Swimming pool make up (Cum):</b>	Not applicable
	<b>Total Water Requirement (CMD) :</b>	744 cmd (Fresh & Recycle)
	<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	0	8	8	0	2	2	0	6	6
Industrial Process	0	55	55	0	15	15	0	40	40
Cooling tower & thermopack	0	651	651	0	490	490	0	161	161
Gardening	0	30	30	0	30	30	0	0	0

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 13 of 51**

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

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	--	
	<b>Size and no of RWH tank(s) and Quantity:</b>	--	
	<b>Location of the RWH tank(s):</b>	--	
	<b>Quantity of recharge pits:</b>	Yes.	
	<b>Size of recharge pits :</b>	1 m X 6 m depth	
	<b>Budgetary allocation (Capital cost) :</b>	--	
	<b>Budgetary allocation (O &amp; M cost) :</b>	--	
	<b>Details of UGT tanks if any :</b>	--	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	--	
	<b>Quantity of storm water:</b>	--	
	<b>Size of SWD:</b>	--	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	6 cmd	
	<b>STP technology:</b>	Not applicable. Sewage will be treated in ETP (At aeration tank)	
	<b>Capacity of STP (CMD):</b>	--	
	<b>Location &amp; area of the STP:</b>	--	
	<b>Budgetary allocation (Capital cost):</b>	--	
	<b>Budgetary allocation (O &amp; M cost):</b>	--	
<b>36.Solid waste Management</b>			
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	Minor quantity of construction waste will be generate during construction phase.	
	<b>Disposal of the construction waste debris:</b>	Construction waste will be disposed off as per norms.	
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Rubber, Hand gloves, PVC shoes, Tarpaulin, Hose pipes: 2 TPA, Insulating material: 1 TPA, Iron scrap, Glass, Paper, Plastic bottles etc: 5 TPA	
	<b>Wet waste:</b>	--	
	<b>Hazardous waste:</b>	Used/ Spent Oil, Haz. waste from Process ATFD (Organic Residue), Discarded Drums, carboys etc, Paint cans, brush etc,	
	<b>Biomedical waste (If applicable):</b>	--	
	<b>STP Sludge (Dry sludge):</b>	--	
	<b>Others if any:</b>	E waste: 100 kg/ year	
<b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018</b>	<b>Page 14 of 51</b>	<b>Name: Dr. Umakant Gangotree Dangat Dr. Umakant Dangat (Chairman SEAC-I)</b>


<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Non Hazardous waste will be sent to Authorize scrap dealer/ recycler.
	<b>Wet waste:</b>	--
	<b>Hazardous waste:</b>	Hazardous waste will disposed off as per hazardous waste rule 2016.
	<b>Biomedical waste (If applicable):</b>	--
	<b>STP Sludge (Dry sludge):</b>	--
	<b>Others if any:</b>	E waste will be disposed off to authorized scrap dealer.
<b>Area requirement:</b>	<b>Location(s):</b>	within plot
	<b>Area for the storage of waste &amp; other material:</b>	--
	<b>Area for machinery:</b>	--
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	--
	<b>O &amp; M cost:</b>	--

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	4 to 9	< 6.5 to 9	6.5 to 9
2	Chemical oxygen demand (COD)	mg/L	8000 to 10000	< 250	250
3	Biological oxygen demand (BOD)	mg/L	3000 to 5000	< 100	100
4	Total dissolved solids (TDS)	mg/L	5000 to 6000	< 2100	2100
5	Total suspended solids (TSS)	mg/L	200 to 300	< 100	100
Amount of effluent generation (CMD):		207 cmd			
Capacity of the ETP:		207 cmd			
Amount of treated effluent recycled :		207 cmd			
Amount of water send to the CETP:		Not applicable. Proposed project will be maintain Zero Liquid Discharge unit.			
Membership of CETP (if require):		Not applicable.			
Note on ETP technology to be used		Low Load stream > Equalization > Neutralization > coagulation > Pri. clarifier > Aeration > Sec. clarifier > Pressure sand filter > Activated carbon filter > RO unit > RO permeate recycle > RO reject & High Load stream to MEE > MEE permeate to recycle			
Disposal of the ETP sludge		ETP sludge will be sent to CHWTSDF.			


### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ Spent Oil	5.1	KLPA	0	1	1	CHWTSDF/ Sale to Authorized party
2	Haz. waste from Process ATFD (Organic Residue)	35.3	TPA	0	1000	1000	CHWTSDF
3	Discarded Drums, carboys etc	33.1	Nos./Annum	0	1000	1000	Authorized MPCB Drum Recycler

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 15 of 51**

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

4	Paint cans, brush etc	21.1	TPA	0	1	1	CHWTSDF
---	-----------------------	------	-----	---	---	---	---------

### 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	Thermopac (3 MKcal/hr)	Furnace oil: 8.4 TPD	1	as per CPCB norms	--	--
2	Steam generator (15 MT/hr)	Furnace oil: 21 TPD OR LDO: 20 TPD OR HHC: 21 TPD	2	as per CPCB norms	--	--
3	DG set 500 KVA	HSD: 100 Lit/Hr	3	as per CPCB norms	--	--
4	Process stack 1	--	4	as per norms	--	--
5	Process stack 2	--	5	as per norms	--	--

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	0	29.4 TPD	29.4 TPD
2	LDO	0	20 TPD	20 TPD
3	HHC	0	21 TPD	21 TPD
4	HSD	0	100 Lit/Hr	100 Lit/Hr

41.Source of Fuel from nearby source

42.Mode of Transportation of fuel to site by road.

### 43.Green Belt Development

<b>Total RG area :</b>	6631 sq.m
<b>No of trees to be cut :</b>	--
<b>Number of trees to be planted :</b>	--
<b>List of proposed native trees :</b>	--
<b>Timeline for completion of plantation :</b>	as per project development phase

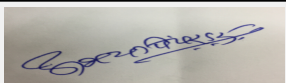
### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--

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	--	--	--

  
Abhay Pimparkar (Secretary  
SEAC-I)

SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018

Page 16  
of 51

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



## 47. Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	from MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	100 KVA
	<b>DG set as Power back-up during construction phase</b>	500 KVA DG set
	<b>During Operation phase (Connected load):</b>	2000 KVA
	<b>During Operation phase (Demand load):</b>	2000 KVA
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	500 KVA DG set
	<b>Fuel used:</b>	HSD: 100 Lit/Hr
	<b>Details of high tension line passing through the plot if any:</b>	--

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

--

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

Serial Number	Energy Conservation Measures	Saving %
1	--	--

### 50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Air pollution	--	Adequate stack height
Water pollution	--	ETP, RO, MEE
Noise pollution	--	Acoustic enclosure, silencer, PPE
Hazardous waste generation	--	Disposal to CHWTSDF, Authorized recycler

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

## 51. Environmental Management plan Budgetary Allocation


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

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

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 17 of 51**

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


### 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	Stack	75	15
2	Environment Monitoring	Environment Monitoring	10	5
3	Water Pollution Control	ETP, RO, MEE	500	50
4	Hazardous waste & Solid waste management	Hazardous waste disposal	150	5
5	Green Belt Development	Green Belt Development & maintenance	8	1
6	Occupational Health & Safety	OHC equipment and plant safety equipment	10	5
7	Social welfare	Social welfare	100	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
2,6 DTBP	Proposed	within plot	500 KL	500 KL	as per requirement	from nearby source	by road
2,4 DTBP	Proposed	within plot	400 KL	400 KL	as per requirement	from nearby source	by road
Methanol	Proposed	within plot	200 KL	200 KL	as per requirement	from nearby source	by road
Isopropyl Alcohol	Proposed	within plot	300 KL	300 KL	as per requirement	from nearby source	by road
Methyl Acrylate	Proposed	within plot	300 KL	300 KL	as per requirement	from nearby source	by road
Xylene	Proposed	within plot	50 KL	50 KL	as per requirement	from nearby source	by road
FO/LDO/HHC	Proposed	within plot	100 KL	100 KL	as per requirement	from nearby source	by road
KOH	Proposed	within plot	50 KL	50 KL	as per requirement	from nearby source	by road
Phosphorous Trichloride	Proposed	within plot	85 Ton	85 Ton	as per requirement	from nearby source	by road

### 52.Any Other Information

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**


**Page 18 of 51**

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

No Information Available


### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	2032 sq.m
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	Min 6 m
	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	5 (f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	<p>Veeral Additives Private Limited is going to establish manufacturing unit on Plot No. K-4/2, Additional MIDC, Mahad, Dist: Raigad. The proposed activity falls under Schedule 5(f) category (B) as per EIA notification of September 2006 and will require prior Environment clearance.</p> <p>We wish to inform you that, our sister company Vinati Organics Limited earlier had submitted Proposal in Add Mahad MIDC &amp; carried out Baseline monitoring during season of summer 2017 (Mar, Apr, and May- 2017).</p> <p>As per MoEF &amp; CC OM No. J-11013/41/2006-IA-II (I) (Part) dated 29th August 2017, Point No. ix- "The Already collected baseline data may be re-used, provided it is not more than 3 years old and duly recommended by EAC/SEAC in their due diligence."</p> <p>In view of above, we request SEAC-I committee to consider our submission and permit us to reuse baseline data collected during Summer 2017 while preparing EIA report for the proposed Synthetic Organic Chemicals manufacturing facility at Plot No. K-4/2, Additional MIDC, Mahad, Dist.: Raigad.</p>

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 19 of 51**

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

	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	20-02-2018

## 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

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.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006

### DECISION OF SEAC

 <b>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018</b>	<b>Page 20 of 51</b>	 <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>
--	--	----------------------	--

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.

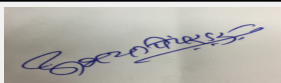
PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

**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 roads with minimum width of six meters and turning radius of nine meters, location of pollution control equipment, parking areas, 33% green belt within the premises, 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 include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 5) PP to carry out HAZOP and Risk Assessment study and submit a Disaster Management Plan.
- 6) PP to submit details of the waste material management and byproduct handling/disposal plan in the EIA report.
- 7) 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 on the site.
- 8) PP to submit process engineering design details like reactors and other process equipment design along with proposed process controls to ensure quality of the products.
- 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 submit details of the use of non conventional energy in the EIA report.
- 11) 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- 6 Meeting Date:  
April 7, 2018**

**Page 21  
of 51**



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

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

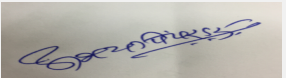
**SEAC Meeting number: 149th Day- 6 Meeting Date April 7, 2018**

**Subject:** Environment Clearance for Proposed Common Bio-medical Waste Treatment Facility (CBWTF)

**Is a Violation Case:** No


<b>1.Name of Project</b>	Proposed Common Bio-medical Waste Treatment Facility (CBWTF)- Incinerator (Rotary Kiln): 250 Kg/ hr Autoclave: 500 Liters/ batch Shredder: 100 Kg/hr Effluent Treatment Plant (ETP): 10 KLD
<b>2.Type of institution</b>	Private
<b>3.Name of Project Proponent</b>	M/s. Dashin Aseptics
<b>4.Name of Consultant</b>	SMS Envocare Ltd Pune
<b>5.Type of project</b>	Other
<b>6.New project/expansion in existing project/modernization/diversification in existing project</b>	New Project
<b>7.If expansion/diversification, whether environmental clearance has been obtained for existing project</b>	Not Applicable
<b>8.Location of the project</b>	Khasra No. 395/3/A
<b>9.Taluka</b>	Bhandara
<b>10.Village</b>	Village Chitapur (Dhargaon)
<b>Correspondence Name:</b>	Mr. Ashish Bansod
<b>Room Number:</b>	Not Applicable
<b>Floor:</b>	Not Applicable
<b>Building Name:</b>	Not Applicable
<b>Road/Street Name:</b>	204, AJINKYA SAI APPT
<b>Locality:</b>	NEAR DASRA MAIDAN, SHASTRI NAGAR
<b>City:</b>	BHANDARA 441904, District Bhandara, MH
<b>11.Area of the project</b>	Other Area
<b>12.IOD/IOA/Concession/Plan Approval Number</b>	Plant Layout shall be approved by Concerned Department
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Plant Layout shall be approved by Concerned Department
	<b>Approved Built-up Area:</b>
<b>13.Note on the initiated work (If applicable)</b>	No work has started at site
<b>14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)</b>	Required NOC shall be secured
<b>15.Total Plot Area (sq. m.)</b>	4046.86 (1 Acre)
<b>16.Deductions</b>	Not applicable
<b>17.Net Plot area</b>	4046.86 (1 Acre)
<b>18 (a).Proposed Built-up Area (FSI &amp; Non-FSI)</b>	<b>a) FSI area (sq. m.):</b> Not applicable
	<b>b) Non FSI area (sq. m.):</b> Not applicable
	<b>c) Total BUA area (sq. m.):</b>
<b>18 (b).Approved Built up area as per DCR</b>	<b>Approved FSI area (sq. m.):</b>
	<b>Approved Non FSI area (sq. m.):</b>
	<b>Date of Approval:</b>
<b>19.Total ground coverage (m2)</b>	0
<b>20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)</b>	0
<b>21.Estimated cost of the project</b>	21500000

## 22.Number of buildings & its configuration


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

**SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018**

**Page 22  
of 51**

**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	1	G+1	10-12	
2				
<b>23.Number of tenants and shops</b>	NA as this is not a commercial project			
<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>	Minimum 6 meter width has been kept in internal road of the facility for proper movement of vehicles			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Minimum 7.5 meter width of turning radius has been kept for proper movement of vehicles			
<b>29.Existing structure (s) if any</b>	Not applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	No demolition is envisaged			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable
<b>32.Total Water Requirement</b>				

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**


**Page 23 of 51**

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

<b>Dry season:</b>	<b>Source of water</b>	Bore well/ Local body
	<b>Fresh water (CMD):</b>	5
	<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>	5
	<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>	Shall be used for plantation
<b>Wet season:</b>	<b>Source of water</b>	Bore well/ Local body
	<b>Fresh water (CMD):</b>	5
	<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>	5
	<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>	Shall be used for plantation
<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
Industrial Process	NA	1200 ltr	1200 ltr	NA	800 Lit	800 Lit	NA	400 ltr	400 ltr
Industrial Process	NA	800 ltr	800 ltr	NA	120 Lit	120 Lit	NA	680 ltr	680 ltr
Industrial Process	NA	1000 ltr	1000 ltr	NA	NA	NA	NA	900 ltr	900 ltr
Industrial Process	NA	100 ltr	100 ltr	NA	NA	NA	NA	0 ltr	0 ltr

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 24 of 51**

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



Gardening	NA	500 ltr	500 ltr	NA	NA	NA	NA	0 ltr	0 ltr
Domestic	NA	1400 ltr	1400 ltr	NA	100 Lit	100 Lit	NA	1300 ltr	1300 ltr
<b>34.Rain Water Harvesting (RWH)</b>									
		<b>Level of the Ground water table:</b>	1.80 to 18.0 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>	NA						
<b>35.Storm water drainage</b>									
		<b>Natural water drainage pattern:</b>	From NE direction to SW direction						
		<b>Quantity of storm water:</b>	From NE direction to SW direction						
		<b>Size of SWD:</b>	From NE direction to SW direction						
<b>Sewage and Waste water</b>									
		<b>Sewage generation in KLD:</b>	0.88						
		<b>STP technology:</b>	Shall be treated in ETP						
		<b>Capacity of STP (CMD):</b>	NA						
		<b>Location &amp; area of the STP:</b>	NA						
		<b>Budgetary allocation (Capital cost):</b>	Included in capital cost of project						
		<b>Budgetary allocation (O &amp; M cost):</b>	Included in capital cost of project						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>		<b>Waste generation:</b>	Approx. 150 kg of domestic waste will be generated during construction phase. Top soil will be generated during clearing of the land which shall be stored separately. The same shall be used for plantation. Construction waste shall also be generated from construction activities.						
		<b>Disposal of the construction waste debris:</b>	Domestic solid waste shall be stored Separately. The same shall be managed as per Municipal Solid Waste management Rule, 2016 and as per directive of MPCB. Construction waste shall be managed as per Construction and Demolition Waste management Rule, 2017.						
<b>Waste generation in the operation Phase:</b>		<b>Dry waste:</b>	Approx. 30 kg of Dry waste shall be generated.						
		<b>Wet waste:</b>	Approx. 30 kg of wet waste shall be generated.						
		<b>Hazardous waste:</b>	70-90 kg/day of Incineration Ash						
		<b>Biomedical waste (If applicable):</b>	Not applicable as this is a CBWTF Plant which shall treat the BMW of Bhandara, Gondia districts and nearby area.						
		<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>	Domestic solid waste shall be stored Separately. The same shall be managed as per Municipal Solid Waste management Rule, 2016 and as per directive of MPCB
	<b>Wet waste:</b>	Wet waste will be stored and shall manage by composting. Composted material shall be used as manure for plantation work.
	<b>Hazardous waste:</b>	All Haz. Waste shall be stored separately and shall be strictly sent to CHWTSDF as per Hazardous and Other Waste (Management & Trans-Boundary) Rules, 2016.
	<b>Biomedical waste (If applicable):</b>	All bio-medical waste shall be managed as per Bio-medical Waste Management Rule, 2016
	<b>STP Sludge (Dry sludge):</b>	ETP sludge shall be strictly sent to CHWTSDF
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Within the plant towards North Direction
	<b>Area for the storage of waste &amp; other material:</b>	Approx. 170 sq. m of area has been demarcated for storage of different type of waste generated from the treatment facility. These storage areas have separated based on the type of waste to be stored.
	<b>Area for machinery:</b>	Approximately 420 sq. m. area has been demarcated for Incinerator, Autoclave, shredder.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Cost of the same is included in the total Capital cost of the plant.
	<b>O &amp; M cost:</b>	Approx. 4-5 lakhs/ year

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	4.5 to 6.0	6.5 to 9.0	6.5 to 9.0
2	TSS	mg/litre	400 to 600	100	100
3	BOD	mg/litre	300 to 400	30	30
4	O&G	mg/litre	20 to 30	10	10
5	COD	mg/litre	800 to 1000	250	250
Amount of effluent generation (CMD):		3.2 (3280 Lit)			
Capacity of the ETP:		10 KLD			
Amount of treated effluent recycled :		1.5 CMD			
Amount of water send to the CETP:		Not applicable as total water will be recycled and reused by facility			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		The treatment of effluent generated from hospital will be done in three steps. Mainly know as Primary, Secondary and Tertiary treatment. These limits are applicable to those hospital which are either connected with sewers without terminal sewage treatment plant or not connected to public sewers, for discharge into public sewers with terminal facilities, the general standards as notified under the Environment (Protection) Act, 1986 shall be applicable. Primary Treatment: This is the first steps			
Disposal of the ETP sludge		ETP sludge shall be sent to CHWTSDF, Butibori Nagpur			


### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.4	KG/day	NA	As per actual	As per actual	CHWTSDF

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 26 of 51**

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

2	Incineration Ash	BMW- cat No. 9	KG/day	NA	As per actual	As per actual	CHWTSDF
---	------------------	----------------	--------	----	---------------	---------------	---------

### 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	Incineration	HSD	1	30	0.4	86
2	D.G. Set.	HSD	1	7.9	0.164	164

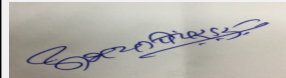
### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not Applicable	20-25 kg/hr	20-25 kg/hr
41.Source of Fuel		Local market		
42.Mode of Transportation of fuel to site		Local market by road transportation		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Not applicable
	<b>No of trees to be cut :</b>	It shall be ensure not to remove tree of other vegetation. If very required, plant shall be removed scientifically so that can be replanted at another place
	<b>Number of trees to be planted :</b>	Proper plantation including Tree, Shrubs and small plants shall be planted at in and around the project site. Two tier plantations shall be developed. First tier will be developed by big tree species having minimum 10-12 m of height. Second tier will be developed by planting tree species having minimum 5-10 meter height with shrubs species. First tire will be close to the project boundary and second tire will be closed to the treatment unit. Approx. 400 Plant species (Tree-250 & Shrubs-150) will
	<b>List of proposed native trees :</b>	Alstonia scholaris, Albizia lebbeck, Azadirachta indica, Ficus religiosa, Melia azedarach, Mimusops elengi, Polyalthia longifolia, Terminalia arjuna, Azadirachta indica, Butea monosperma, Grevillea ptehdifolia, Tamarindus indica, Terminalia arjuna, Lagerstroemia flosreginae, Anthocephalus cadamba, Bauhinia purpurea, Cassia fistula, Cassia siamea, Melia azedarach, Michelia champaca, Pongamia pinnata,
	<b>Timeline for completion of plantation :</b>	Up to four year from construction period


### 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	Alstonia scholaris	Black Board tree	15	Sulphur Dioxide Absorbing species
2	Albizia lebbeck	Fry wood	15	Sulphur Dioxide Absorbing species
3	Azadirachta indica	Neem	40	Sulphur Dioxide Absorbing species & Reduce Noise Pollution
4	Ficus religiosa	Banyan Tree	15	Sulphur Dioxide Absorbing species
5	Melia azedarach	White Cedar	40	Sulphur Dioxide Absorbing species & Reduce Noise Pollution
6	Mimusops elengi	Spanish Cherry	10	Sulphur Dioxide Absorbing species
7	Polyalthia longifolia	Ashoka	50	Sulphur Dioxide Absorbing species
8	Terminalia arjuna	Arjuna Tree	70	Sulphur Dioxide Absorbing species & Reduce Noise Pollution

  
Abhay Pimparkar (Secretary  
SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018**

**Page 27  
of 51**

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

9	Butea monosperma	Palash	20	Reduce Noise Pollution
10	Grevillea ptehdifolia	Silky grevillea	25	Reduce Noise Pollution
11	Tamarindus indica	Tamarind	10	Reduce Noise Pollution
12	Lagerstroemia flosreginae	Pride of India	20	Suspended Pollutant controlling Plant/Other Ornamental plant
13	Anthocephalus cadamba	Kadam	20	Suspended Pollutant controlling Plant/Other Ornamental plant
14	Bauhinia purpurea	Orchid Tree	10	Suspended Pollutant controlling Plant/Other Ornamental plant
15	Cassia fistula	Golden Shower tree	10	Suspended Pollutant controlling Plant/Other Ornamental plant
16	Cassia siamea	Kassod Tree	10	Suspended Pollutant controlling Plant/Other Ornamental plant
17	Michelia champaca	Orange champak	10	Suspended Pollutant controlling Plant/Other Ornamental plant
18	Pongamia pinnata	Indian beech	10	Suspended Pollutant controlling Plant/Other Ornamental 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	Shrubs species will be planted closed to the facility as per availability of land	Shrubs species will be planted closed to the facility as per availability of land	Shrubs species will be planted closed to the facility as per availability of land

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL & DG Set
	<b>During Construction Phase: (Demand Load)</b>	50 kVA
	<b>DG set as Power back-up during construction phase</b>	NA
	<b>During Operation phase (Connected load):</b>	NA
	<b>During Operation phase (Demand load):</b>	80 kW
	<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>	Not applicable

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

Not applicable


  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 28 of 51**


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

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		
Incineration & Autoclave and washing area	Not applicable	Effluent Treatment plant		
Incineration	Not applicable	Venturi scrubber , Quencher, and two Cyclonic Droplet Separators, Flooded scrubber with quenching arrangement, Stack with 30 height		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable		
	O & M cost:	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 pollution management	Regular water sprinkling	1.50	
2	Water Pollution management	Supply of drinking water & arrangement of modular toilets	1.0	
3	Solid & Haz. Waste Management	Storage and proper disposal of Solid waste, Haz. Waste, construction waste and other waste	2.0	
4	Occupational health & Safety	Providing of PPEs, fire safety arrangements, first-aid facility	2.0	
5	Greenbelt development	Regular plantation	1.0	
6	Others	Other as per requirement	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 Pollution management	Venturi scrubber, Flooded scrubber with quenching arrangement, Cyclonic Droplet Separators, Proper Stack & other as per requirement	5.0	3.0

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 29 of 51**

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

2	Water & Waste Water management	Effluent Treatment Plant, Other site specific management, Other as per requirement	5.0	4.0
3	Solid & Hazardous waste management	Disposal of Haz. Waste to CHWTSDF , Municipal Solid waste disposal , Other as per requirement	30.0	5.0
4	Green Belt development	Road site plantation, Plantation all around the facility and vacant area, Maintenance of plantation, Other as per requirement	15.0	5.0
5	Environmental Monitoring	Env. Monitoring during Construction & Operation phase	5.0	8.0
6	Miscellaneous	Other as per requirement	-	2.0

### 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
HSD	Liquid	Within plant	As per required	As per required	As per required	Local market	By road

### 52.Any Other Information

No Information Available

### 53.Traffic Management

Nos. of the junction to the main road & design of confluence:	Not applicable
---	----------------

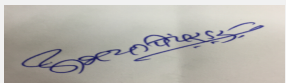
  
**Abhay Pimparkar (Secretary SEAC-I)**

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 30 of 51**


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

<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>	Approx. 50 sq. m
	<b>Area per car:</b>	Parking area provided for Waste transportation vehicles. Personal vehicle shall be parked along the boundary of plant as per availability. At a time, only 5-6 two wheelers and minimum 1-2 4 wheelers may be present at the site.
	<b>Area per car:</b>	Parking area provided for Waste transportation vehicles. Personal vehicle shall be parked along the boundary of plant as per availability. At a time, only 5-6 two wheelers and minimum 1-2 4 wheelers may be present at the site.
	<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>	6.0 m
	<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>	Koka Wildlife Sanctuary: Buffer zone of WLS is started at around 5 Km towards NE direction. The Core of WLS is situated at 10 Km NE direction from the project location.
	<b>Category as per schedule of EIA Notification sheet</b>	7 (da) as per EIA Notification, 2006 & as amended on 17th April, 2015.
	<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>	Yes
	<b>Date of online submission</b>	16-01-2018
<b>SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS</b>		
<b>Environmental Impacts of the project</b>	Not Applicable	
<b>Water Budget</b>	Not Applicable	
<b>Waste Water Treatment</b>	Not Applicable	

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 31 of 51**

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

<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

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.

### DECISION OF SEAC


During deliberations with the PP and their accredited consultant it was observed that, PP has not obtained site selection approval from prescribed Authority and stack holders as mentioned in the Bio Medical Management Rules published on 28.03.2016. PP also not mentioned exact distance of the proposed project location from the Koka Wild Life Sanctuary so as to decide on the category of the project as per EIA Notification, 2006 amended from time to time.

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- 6 Meeting Date:  
 April 7, 2018**

**Page 32  
 of 51**

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



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

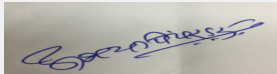
**SEAC Meeting number: 149th Day- 6 Meeting Date April 7, 2018**

**Subject:** Environment Clearance for Environment Clearance for Opencast mining project, Markagondi Laterite Mine, proposed production capacity @ 1,25,000 TPA of Laterite. Survey No. 111 & 115, Area 33.03 Ha, at Village: Markagondi, Tahsil: Jiwati, District: Chandrapur, Maharashtra

**Is a Violation Case:** No

1.Name of Project	Markagondi Laterite Mine
2.Type of institution	Private
3.Name of Project Proponent	Mr. Abdul Kadarbhai
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 Nos. 111 and 115
9.Taluka	Jiwati
10.Village	Markagondi
Correspondence Name:	M/s Royal Pottery Ceramics ,
Room Number:	.
Floor:	.
Building Name:	.
Road/Street Name:	Mul Road
Locality:	SBI Colony, Opposite Mount Carmel School,
City:	Chandrapur-442401
11.Area of the project	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Not Applicable
	<b>Approved Built-up Area:</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.)	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	3531000

## 22.Number of buildings & its configuration



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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 33 of 51**

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	Laterite	Nil	10416.67	10416.67


### 32.Total Water Requirement

Dry season:	Source of water	Bore well and mine pit
	Fresh water (CMD):	15 CMD
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	15 CMD
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

  
Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018

Page 34 of 51


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

<b>Wet season:</b>	<b>Source of water</b>	Bore well
	<b>Fresh water (CMD):</b>	4.5 CMD
	<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>	4.5 CMD
	<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	Nil	4.5	4.5	Nil	4.5	4.5	Nil	Nil	Nil
Gardening	Nil	10.5	10.5	Nil	10.5	10.5	Nil	Nil	Nil
Fresh water requirement	Nil	15	15	nil	15	15	Nil	Nil	Nil

<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4.6 m to 10.51 m bgl in pre-monsoon season
	<b>Size and no of RWH tank(s) and Quantity:</b>	Garland drains 500 m
	<b>Location of the RWH tank(s):</b>	East and South boundary of mining lease area
	<b>Quantity of recharge pits:</b>	Garland drains : 500 at East and South boundary of mining lease area
	<b>Size of recharge pits :</b>	Section 2 m width x 1 m depth
	<b>Budgetary allocation (Capital cost) :</b>	Rs. 5 lakhs
	<b>Budgetary allocation (O &amp; M cost) :</b>	Rs. 1 lakh
	<b>Details of UGT tanks if any :</b>	Not Applicable


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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 35 of 51**


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 and depression through appropriate drainage system with check bunds.
	<b>Quantity of storm water:</b>	Rainfall runoff
	<b>Size of SWD:</b>	Not Applicable
<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>	15,500 cum upto conceptual period
	<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>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>	15160 sqm
	<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- 6 Meeting Date: April 7, 2018**

**Page 36 of 51**

**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):		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	Nil	Nil	Nil	Nil

41.Source of Fuel

Not Applicable

42.Mode of Transportation of fuel to site

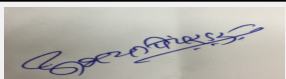
Not Applicable

### 43.Green Belt Development

<b>Total RG area :</b>	Nil
<b>No of trees to be cut :</b>	Nil
<b>Number of trees to be planted :</b>	10500
<b>List of proposed native trees :</b>	Moha, Kadulimb, Sa, Behada, Amla, Peru, Sitaphal, Kavath etc.
<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	Madhuca indica	Moha	1500	Created to intercept dust, gaseous pollutants and noise and Fruits
2	Madhuca indica	Moha	1500	Created to intercept dust, gaseous pollutants and noise and Fruits

  
Abhay Pimparkar (Secretary  
SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date:  
April 7, 2018**

**Page 37  
of 51**

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

3	Azadirachta indica	Kadulimb	1500	Created to intercept dust, gaseous pollutants and noise
4	Tectona grandis	Sag	2000	Created to intercept dust, gaseous pollutants and noise to be used for timber
5	Cassia fistula	Behada	1500	Created to intercept dust, gaseous pollutants and noise
6	Psidium guajava	Peru	1000	Created to intercept dust, gaseous pollutants and noise and Fruits
7	Emblica officinalis	Amla	1000	Created to intercept dust, gaseous pollutants and noise and Fruits
8	Emblica officinalis	Amla	1000	Created to intercept dust, gaseous pollutants and noise and Fruits
<b>45.Total quantity of plants on ground</b>				

#### 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>	No
	<b>During Operation phase (Connected load):</b>	Commercial connection
	<b>During Operation phase (Demand load):</b>	Commercial connection
	<b>Transformer:</b>	No
	<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>	No

#### 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
--------	-----------------------------------	--------------------------

  
Abhay Pimparkar (Secretary SEAC-I)

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 38 of 51**

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

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

## 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	200000	50000
2	Water Pollution Control	Desilting Tanks, garland drain, Boulder Check plug, Septic Tanks/Soak Pits, Mine water sedimentation pond & pumps	300000	50000
3	Pollution Monitoring	To be done by external agency	Nil	100000
4	Plantation /Reclamation	Biological reclamation, Plantation, Reclamation (Dump)	500000	100000
5	Occupational Health	Fire Fighting Equipments (portable), Personnel protection equipments (goggles , gloves, helmets, dust mask, safety boots)	100000	50000

## 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

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Not Applicable
--	--	----------------

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

**SEAC Meeting No: 149th Day- 6 Meeting Date:  
 April 7, 2018**

**Page 39  
 of 51**

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

Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	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:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	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	Not Applicable
	Court cases pending if any	No
	Other Relevant Informations	-
	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- 6 Meeting Date: April 7, 2018**

**Page 40 of 51**



**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 obtained ToR in the 85th meeting of SEAC held on 11-12 August, 2014.

Now PP submitted EIA report and Public Hearing report for appraisal.

### DECISION OF SEAC


PP requested SEAC to defer the proposal for this meeting.

On request of PP SEAC decided to defer the proposal.

**Specific Conditions by SEAC:**

### FINAL RECOMMENDATION

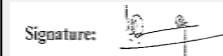
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 41 of 51**



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

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

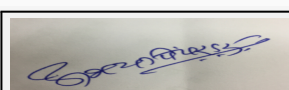
**SEAC Meeting number: 149th Day- 6 Meeting Date April 7, 2018**

**Subject:** Environment Clearance for Stone Quarry for M/s Sagar Shivaji Pawar at the Gut No: 137 & 121 (Part), Village - Ambale, Taluka - Maval, District - Pune, Maharashtra.

**Is a Violation Case:** No

1.Name of Project	Shri Sagar Shivaji Pawar
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sagar Pawar
4.Name of Consultant	M/s. Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Schedule : 1 (a) Category : B2
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	No
8.Location of the project	Gut No: 137 & 121 (Part)
9.Taluka	Maval
10.Village	Ambale
Correspondence Name:	Shri Sagar Shivaji Pawar
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	At Post - Induri Kundmala, Taluka - Maval
City:	Pune
11.Area of the project	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	<b>IOD/IOA/Concession/Plan Approval Number:</b> Not Applicable. It is a minor mineral stone quarry.
	<b>Approved Built-up Area:</b>
13.Note on the initiated work (If applicable)	None
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC has been obtained from Gram Panchayat Ambale village for stone quarrying.
15.Total Plot Area (sq. m.)	5.20 hectares
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	34000000

## 22.Number of buildings & its configuration



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


**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 42 of 51**




**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	
2	Not applicable	Not applicable	Not applicable	
<b>23.Number of tenants and shops</b>	Not applicable			
<b>24.Number of expected residents / users</b>	The total workers at the quarry sites will be 13 individuals.			
<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>	Not applicable			
<b>28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation</b>	Not applicable			
<b>29.Existing structure (s) if any</b>	Not applicable			
<b>30.Details of the demolition with disposal (If applicable)</b>	Not applicable			
<b>31.Production Details</b>				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Black Stone	--	23795.75	23795.75
<b>32.Total Water Requirement</b>				

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**


**Page 43 of 51**

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

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


### 33.Details of Total water consumed


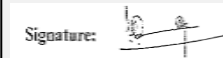
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	1.00	1.00	-	0.20	0.20	--	0.80	0.80
Industrial Process	--	7.00	7.00	--	7.00	7.00	--	0.00	0.00
Gardening	--	4.00	4.00	--	4.00	4.00	--	0.00	0.00
Fresh water requirement	--	12.00	12.00	--	11.20	11.20	--	0.80	0.80

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 44 of 51**

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>	10 m below ground water	
	<b>Size and no of RWH tank(s) and Quantity:</b>	Not Applicable	
	<b>Location of the RWH tank(s):</b>	Not Applicable	
	<b>Quantity of recharge pits:</b>	Not Applicable	
	<b>Size of recharge pits :</b>	Not Applicable	
	<b>Budgetary allocation (Capital cost) :</b>	Not Applicable	
	<b>Budgetary allocation (O &amp; M cost) :</b>	Not Applicable	
	<b>Details of UGT tanks if any :</b>	Not Applicable	
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	The slope of the area is towards South. The run-off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern.	
	<b>Quantity of storm water:</b>	19120 m3 of storm water will be generated which will be drained off through garland drains.	
	<b>Size of SWD:</b>	The run off will be connected to the garland drains.	
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	0.8 KLD	
	<b>STP technology:</b>	Not Applicable. Septic tank followed by soak pit will be provided.	
	<b>Capacity of STP (CMD):</b>	Not Applicable	
	<b>Location &amp; area of the STP:</b>	Not Applicable	
	<b>Budgetary allocation (Capital cost):</b>	1.25 Lakhs	
	<b>Budgetary allocation (O &amp; M cost):</b>	20 thousand	
<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>	The top soil will be used for greenbelt development and the overburden of murrum will be backfilled in the pit itself.	
	<b>Wet waste:</b>	Sludge generated from the septic tank	
	<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>Abhay Pimparkar (Secretary SEAC-I)</b>	<b>SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018</b>	<b>Page 45 of 51</b>	 <b>Dr. Umakant Dangat (Chairman SEAC-I)</b>

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	The top soil will be used for greenbelt development and the overburden of murrum will be backfilled in the pit itself.
	<b>Wet waste:</b>	Sludge generated from the septic tank will be used as a manure for gardening.
	<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>	Overburden will be back-filled in the mine pit area
<b>Area requirement:</b>	<b>Location(s):</b>	Overburden will be backfilled in the mine pit area of 1.542 hectares
	<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	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	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

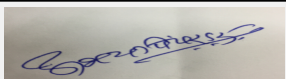
### 39. Stacks emission Details

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	Not Applicable	Not Applicable	Not Applicable	Not Applicable

41. Source of Fuel	Not Applicable
--------------------	----------------


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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 46 of 51**


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

42.Mode of Transportation of fuel to site		Not Applicable		
<b>43.Green Belt Development</b>	<b>Total RG area :</b>	0.9869		
	<b>No of trees to be cut :</b>	Not Applicable		
	<b>Number of trees to be planted :</b>	975		
	<b>List of proposed native trees :</b>	Attached Below		
	<b>Timeline for completion of plantation :</b>	5 Years		
<b>44.Number and list of trees species to be planted in the ground</b>				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Heterophragma quadriloculare	Waras	100	A native deciduous tree visited by nectar feeding birds. Large leaf area helps in settling of dust.
2	Oroxylum indicum	Tetu	95	A native ornamental tree.
3	Nerium oleander	Kaner	100	A native hardy species, drought resistant with fragrant flowers.
4	Schleichera oleosa	Kusum	95	A native tree found in abundance in Sahyadris.
5	Terminalia elliptica	Ain	95	A native evergreen broad leaved tree common in the Sahyadris.
6	Catunaregum spinosa	Gela	100	Mountain Pomegranate is an armed shrub or small native evergreen tree
7	Butea monosperma	Palash	95	A native brilliantly flowering tree fed by local birds fairly common and abundant across the Pune District.
8	Erythrina variegata	Pangahara	95	A highly valued native ornamental tree.
9	Cassia fistula	Bahava	100	Native ornamental tree having flowers attracting bees and butterflies
<b>45.Total quantity of plants on ground</b>				
<b>46.Number and list of shrubs and bushes species to be planted in the podium RG:</b>				
Serial Number	Name	C/C Distance	Area m2	
1	Not Applicable	Not Applicable	Not Applicable	
<b>47.Energy</b>				

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 47 of 51**

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

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEB.
	<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>	120 hp
	<b>During Operation phase (Demand load):</b>	100 hp
	<b>Transformer:</b>	Not Applicable
	<b>DG set as Power back-up during operation phase:</b>	Not Applicable
	<b>Fuel used:</b>	Not Applicable
	<b>Details of high tension line passing through the plot if any:</b>	Not Applicable

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


Not Applicable

#### 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
Dust Pollution	--	Sprinkling will be done on the haul roads. Mist spraying will be done to keep the stone wet to prevent escape of fugitive emissions. The approach roads will be black topped . A thick green belt will be maintained around the lease area and on both sides of the haul roads. The vehicle carrying the stone will be covered with tarpaulin sheets to prevent the escape of fugitive dust emissions. The closed conduit type of crusher will be provided with sprinkler arrangement to prevent the escape of fug
Noise Pollution	--	A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise. Green belt will be developed around the quarry area
Solid waste pollution	--	The top soil will be used for green belt development , overburden in the form of murrum will be backfilled in the pit
Sewage Pollution	--	Septic tank followed by soak pit will be provided.

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 48 of 51**

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



Water Pollution	--	Garland drains will be provided to maintain proper drainage of storm water. A bund around the lease area will be built around the quarry area to prevent to flow of debris in the rainy season.
-----------------	----	---

<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	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	Environmental Monitoring Programme	Monitoring for ambient air, noise, surface water, ground water .	--	2.0 lakhs
2	Air Pollution	Black topping of approach roads, Sprinkling of water on quarry and haul roads	2.7 lakhs	0.5 lakhs
3	Air Pollution & Noise Pollution	Thick green belt development	0.75 lakhs	0.15 lakhs
4	Reclamation of pit area/ Overburden management	Afforestation will be done in the pit area	1.25 Lakhs	--
5	Sewage Pollution	Septic tank followed by soak pit will be provided	1.25 Lakhs	0.2 Lakhs
6	Water Pollution	Construction of Garland drain and stone hedge wall around the lease area.	1.75 Lakhs	0.5 Lakhs
7	Noise Pollution	Preventive Maintenance of all heavy machineries,	0.5 lakhs	0.1 Lakhs
8	Occupational health and safety	Periodic health check ups of workers and safety equipments	0.5 Lakhs	0.8 Lakhs


## 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
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 49 of 51**

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

## 52.Any Other Information


No Information Available

## 53.Traffic Management

	<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>	There are no protected areas within 15 km of quarry site.
	<b>Category as per schedule of EIA Notification sheet</b>	Schedule 1 (a), Category B2.
	<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>	Yes
	<b>Date of online submission</b>	19-02-2018

## SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

<b>Environmental Impacts of the project</b>	Not Applicable
<b>Water Budget</b>	Not Applicable



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

**SEAC Meeting No: 149th Day- 6 Meeting Date: April 7, 2018**

**Page 50 of 51**



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

<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

PP submitted their proposal for the grant of Environmental Clearance under category 1(a)B2.

PP submitted PFR, Mining Plan and Form - 1 to the SEAC.

### DECISION OF SEAC

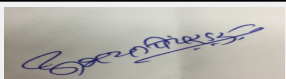
After deliberations with the PP and their consultant SEAC decided to defer the proposal till PP submit compliance of below mentioned points.

#### Specific Conditions by SEAC:

- 1) The mining plan produced by the PP is not clear and specific regarding various activities of the proposed mining. PP to submit revised mining plan approved by the competent Authority. All maps and drawings attached to the mining plan shall be signed by competent Authority.
- 2) PP to submit authenticate report from District Mining Officer in respect of cluster formation as mentioned in Notifications issued by MoEF&CC dated 15.01.2016 and 01.07.2016.
- 3) PP shall use Jack Hammer Drill along with controlled blasting for the mining activity.
- 4) PP to submit mining permission obtained from the District Collector.
- 5) PP to submit commitment on the time bound implementation plan for mitigation measures as suggested in the Environmental Monitoring Report.
- 6) PP to submit methodology to be used for closure of mine to be approved by the competent Authority.
- 7) PP to prepare CSR plan in discussion with District Authority along with implementation schedule. PP to maintain separate account for CSR funds.
- 8) PP to submit details of water source along with necessary permissions obtained from competent Authority.


### 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- 6 Meeting Date:  
 April 7, 2018**

**Page 51  
 of 51**

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