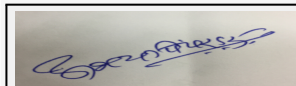


177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)**SEAC Meeting number: 177 Meeting Date** February 5, 2020**Subject:** Environment Clearance for Stone Quarry mining at Village : Morda, Taluka: Tuljapur, Dist : Osmanabad by Mr. Bharat Badasha Pawar**Is a Violation Case:** No

1.Name of Project	Stone quarry project by Mr. Bharat Badasha Pawar at Village : Morda, Taluka: Tuljapur, Dist : Osmanabad
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bharat Badasha Pawar
4.Name of Consultant	JV Analytical Services
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut.No 75 (Part), Village : Morda, Taluka: Tuljapur, Dist : Osmanabad
9.Taluka	Tuljapur
10.Village	Morda
Correspondence Name:	Mr. Bharat Badasha Pawar
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	A/Post : Tuljapur, Taluka : Tuljapur
City:	Osmanabad
11.Whether in Corporation / Municipal / other area	Grampanchayat Morda
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. STC -08(Mining Plan)/2019/192 Approved Built-up Area: 10200
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.)	1.02 Ha
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.): 10200
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable Approved Non FSI area (sq. m.): Not applicable Date of Approval: 29-04-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	7000000


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

22.Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	Not applicable			
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	Basalt Stone	3956 brass/annum	6250 brass/annum	10206 brass/annum
32.Total Water Requirement				



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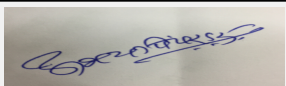
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Dry season:	Source of water	Tanker water								
	Fresh water (CMD):	5.1								
	Recycled water - Flushing (CMD):	Not applicable								
	Recycled water - Gardening (CMD):	Not applicable								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	5.1 M3/day								
	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)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	0.1	0.2	0.3	0.01	0.02	0.03	0.09	0.18	0.27	
Gardening	1.0	1.6	2.6	1.0	1.6	2.6	-	-	-	
Industrial Process	1.0	1.2	2.2	1.0	1.2	2.2	-	-	-	


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	40 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	Sewage generation in KLD:	0.27 KLD
	STP technology:	Biotoilets will be provided.
	Capacity of STP (CMD):	Biotoilets will be provided.
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	1.20 lakh
	Budgetary allocation (O & M cost):	10000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	Dry waste:	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable


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Mode of Disposal of waste:	Dry waste:	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

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		
42. Mode of Transportation of fuel to site		Not applicable		



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43.Green Belt Development	Total RG area :	0.321 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	482
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	1 Year

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

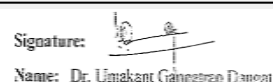
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	45	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	25	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	30	Medicinal plants, Fruit an important condiment in Indian cuisine, tolerates drought
4	Pongia Pinnata	Karanja	20	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	20	Medicinal value, Edible fruits, Bird attracting species
6	Ficus religiosa	Pimpal	15	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Terminalia arjuna	Arjun	27	Medicinal value, helping to reduce soil erosion
8	Mangifera indica	Amba	50	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	30	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	40	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Tectona grandis	Sagwan	30	Teak is a large, long, deciduous tree
12	Leucaena leucocephala	Subabul	35	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
13	Cassia fistula	Bahava	30	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,



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14	Ficus benghalensis	Vad	15	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
15	Total	-	482	-

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Not applicable
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:

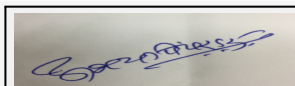
Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

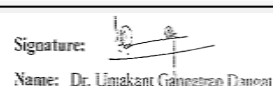
Source	Existing pollution control system	Proposed to be installed
Air Pollution	A thick green belt is maintained around the lease area and on both sides of the haul roads	A thick green belt is maintained around the lease area and on both sides of the haul roads
Noise pollution	A thick green belt is maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise	A thick green belt is maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise
Solid Waste management	The overburden is used for green belt development , surplus will be backfilled in the pit and afforestation is done.	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation is done.



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Sewage water	Biotoilets provided.		Biotoilets will be provided.
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	NA	NA	NA

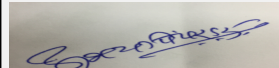
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	1.00	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.40	0.05
3	Solid Waste Management	The overburden will be used for green belt development, surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Biotoilets will be provided	1.20	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.35	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Green belt development	Green belt development	3.00	0.50
8	Total	-	6.25	1.35

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information



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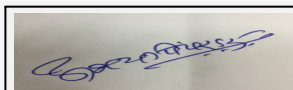
No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
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:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	1) N 18° 02' 23.82"E 76° 05' 52.94" 2) N 18° 02' 23.57"E 76° 05' 54.93" 3) N 18° 02' 18.07"E 76° 05' 54.23" 4) N 18° 02' 18.30"E 76° 05' 52.22"
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

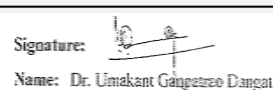
Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable



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

Brief information of the project by SEAC

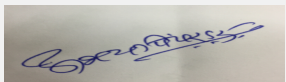
PP submitted their application for the grant for Environmental Clearance under category1 (a) B2 as per EIA Notification, 2006.

The proposal was earlier considered in the 167th A meeting of SEAC-1 held on 31.07.2019 wherein the proposal was deferred for following reason,

"During deliberations, it was observed that, the proposed area of stone quarry is not included in the DSR.

In view of above, SEAC-1 decided to defer the proposal till submission of revised DSR including the location of proposed quarry and all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal."

The proposal was earlier considered in the 167th A meeting of SEAC-1 held on 31.07.2019 wherein the proposal was deferred till submission of compliance of following points.


Abhay Pimparkar (Secretary
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Dr. Umakant Dangat
(Chairman SEAC-I)

DECISION OF SEAC

During deliberations it was observed that, PP has not submitted measurement map as per approved by the District Superintendent of Land Records.

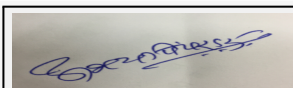
In view of above, SEAC-1 decided to defer the proposal till submission of measurement map and compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit documents in support of his claim of the rightful owner of the proposed quarry area.
- 2) PP to ensure uniformity in the name of project proponent on the records of District Survey Report, Approved Mining Plan, Ownership document and Environment Clearance Application are same.
- 3) PP to submit layout of proposed quarry area showing proposed mine area, area proposed for crusher if any, 7.5 meter wide safety zone/green belt area on the periphery, over burden storage area, internal roads with its width and turning radius appropriate to the type of vehicle etc.
- 4) DMO shall submit Regional Mining Plan including list of existing operational quarries with their areas and production potential along with status of EC, list of existing quarries operational under temporary permit, list of old/abandoned/closed mines along with status of mine closure as per approved mining plan or guidelines, list of proposed quarries included in the District Survey Report along with their area and mining potential etc. DMO shall also submit details of quarries operating in the district without obtaining Environmental Clearance along with action taken report.
- 5) PP to submit measurement map prepared by the District Superintendent of Land Records.
- 6) PP to submit certificate with respect to the cluster formation in the proposed quarry area through District Mining Officer along with drawing of the proposed area.
- 7) PP to submit proposed quarry area measurement map prepared by the District Superintendent of Land Records.
- 8) PP to ensure that, no existing excavation is being carried out on proposed site without obtaining prior Environmental Clearance, if such excavation is observed on the site DMO shall carry out the investigation of the same to ascertain whether the excavation was carried out after obtaining requisite permissions from the competent Authority, If no, the appropriate legal action shall be initiated against the defaulter and submit detailed report through concern Additional Collector.
- 9) All documents including approved mine plan, District Survey Report, EIA / EMP and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 10) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ topo sheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 11) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 12) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 13) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 14) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 15) PP to ensure that, uniform information is submitted in the ownership documents, Form-1M, Pre-feasibility Report, District Survey Report and Approved Mining plan

FINAL RECOMMENDATION

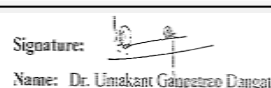
SEAC-I decided to defer the proposal. Kindly find SEAC decision above.



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

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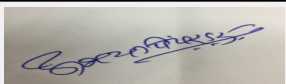
177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)

SEAC Meeting number: 177 Meeting Date February 5, 2020

Subject: Environment Clearance for Stone Quarry mining at Village : Morda, Taluka: Tuljapur, Dist : Osmanabad by Mr. Bharat Badasha Pawar

Is a Violation Case: No

1.Name of Project	Stone quarry project by Mr. Bharat Badasha Pawar at Village : Morda, Taluka: Tuljapur, Dist : Osmanabad
2.Type of institution	Private
3.Name of Project Proponent	Mr. Bharat Badasha Pawar
4.Name of Consultant	JV Analytical Services
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut.No 75 (Part), Village : Morda, Taluka: Tuljapur, Dist : Osmanabad
9.Taluka	Tuljapur
10.Village	Morda
Correspondence Name:	Mr. Bharat Badasha Pawar
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	A/Post : Tuljapur, Taluka : Tuljapur
City:	Osmanabad
11.Whether in Corporation / Municipal / other area	Grampanchayat Morda
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. STC -08(Mining Plan)/2019/192 Approved Built-up Area: 10200
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.)	1.02 Ha
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.): 10200
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable Approved Non FSI area (sq. m.): Not applicable Date of Approval: 29-04-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	7000000

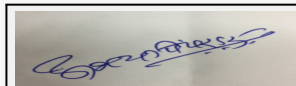

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22.Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	Not applicable			
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	Basalt Stone	3956 brass/annum	6250 brass/annum	10206 brass/annum
32.Total Water Requirement				



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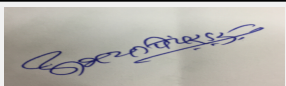
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Dry season:	Source of water	Tanker water								
	Fresh water (CMD):	5.1								
	Recycled water - Flushing (CMD):	Not applicable								
	Recycled water - Gardening (CMD):	Not applicable								
	Swimming pool make up (Cum):	Not applicable								
	Total Water Requirement (CMD) :	5.1 M3/day								
	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)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	0.1	0.2	0.3	0.01	0.02	0.03	0.09	0.18	0.27	
Gardening	1.0	1.6	2.6	1.0	1.6	2.6	-	-	-	
Industrial Process	1.0	1.2	2.2	1.0	1.2	2.2	-	-	-	


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	40 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	Sewage generation in KLD:	0.27 KLD
	STP technology:	Biotoilets will be provided.
	Capacity of STP (CMD):	Biotoilets will be provided.
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	1.20 lakh
	Budgetary allocation (O & M cost):	10000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	Dry waste:	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	Dry waste:	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

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		
42. Mode of Transportation of fuel to site		Not applicable		



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43.Green Belt Development	Total RG area :	0.321 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	482
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	1 Year

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

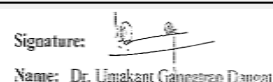
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	45	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	25	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	30	Medicinal plants, Fruit an important condiment in Indian cuisine, tolerates drought
4	Pongia Pinnata	Karanja	20	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	20	Medicinal value, Edible fruits, Bird attracting species
6	Ficus religiosa	Pimpal	15	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Terminalia arjuna	Arjun	27	Medicinal value, helping to reduce soil erosion
8	Mangifera indica	Amba	50	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	30	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	40	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Tectona grandis	Sagvan	30	Teak is a large, long, deciduous tree
12	Leucaena leucocephala	Subabul	35	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
13	Cassia fistula	Bahava	30	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,



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14	Ficus benghalensis	Vad	15	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
15	Total	-	482	-

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	Not applicable
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

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

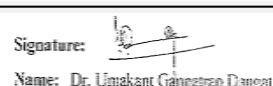
Source	Existing pollution control system	Proposed to be installed
Air Pollution	A thick green belt is maintained around the lease area and on both sides of the haul roads	A thick green belt is maintained around the lease area and on both sides of the haul roads
Noise pollution	A thick green belt is maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise	A thick green belt is maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs is provided to workers exposed to high frequency noise
Solid Waste management	The overburden is used for green belt development , surplus will be backfilled in the pit and afforestation is done.	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation is done.



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Sewage water	Biotoilets provided.		Biotoilets will be provided.
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	NA	NA	NA

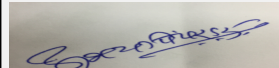
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	1.00	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.40	0.05
3	Solid Waste Management	The overburden will be used for green belt development, surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Biotoilets will be provided	1.20	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.35	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Green belt development	Green belt development	3.00	0.50
8	Total	-	6.25	1.35

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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information



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No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
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:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	1) N 18° 02' 23.82"E 76° 05' 52.94" 2) N 18° 02' 23.57"E 76° 05' 54.93" 3) N 18° 02' 18.07"E 76° 05' 54.23" 4) N 18° 02' 18.30"E 76° 05' 52.22"
	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



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

Brief information of the project by SEAC

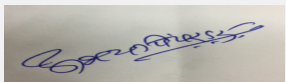
PP submitted their application for the grant for Environmental Clearance under category1 (a) B2 as per EIA Notification, 2006.

The proposal was earlier considered in the 167th A meeting of SEAC-1 held on 31.07.2019 wherein the proposal was deferred for following reason,

"During deliberations, it was observed that, the proposed area of stone quarry is not included in the DSR.

In view of above, SEAC-1 decided to defer the proposal till submission of revised DSR including the location of proposed quarry and all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal."

The proposal was earlier considered in the 167th A meeting of SEAC-1 held on 31.07.2019 wherein the proposal was deferred till submission of compliance of following points.


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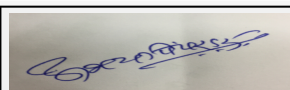
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DECISION OF SEAC

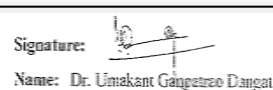
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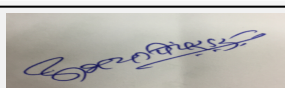
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During deliberations it was observed that, PP has not submitted measurement map as approved by the District Superintendent of Land Records.

In view of above, SEAC-1 decided to defer the proposal till submission of measurement map and compliance of following points.

Specific Conditions by SEAC:

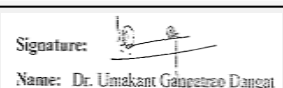
- 2) PP to submit documents in support of his claim of the rightful owner of the proposed quarry area.
- 3) PP to ensure uniformity in the name of project proponent on the records of District Survey Report, Approved Mining Plan, Ownership document and Environment Clearance Application are same.
- 4) PP to submit layout of proposed quarry area showing proposed mine area, area proposed for crusher if any, 7.5 meter wide safety zone/green belt area on the periphery, over burden storage area, internal roads with its width and turning radius appropriate to the type of vehicle etc.
- 5) DMO shall submit Regional Mining Plan including list of existing operational quarries with their areas and production potential along with status of EC, list of existing quarries operational under temporary permit, list of old/abandoned/closed mines along with status of mine closure as per approved mining plan or guidelines, list of proposed quarries included in the District Survey Report along with their area and mining potential etc. DMO shall also submit details of quarries operating in the district without obtaining Environmental Clearance along with action taken report.
- 6) PP to submit measurement map prepared by the District Superintendent of Land Records.
- 7) PP to submit certificate with respect to the cluster formation in the proposed quarry area through District Mining Officer along with drawing of the proposed area.
- 8) PP to submit proposed quarry area measurement map prepared by the District Superintendent of Land Records.
- 9) PP to ensure that, no existing excavation is being carried out on proposed site without obtaining prior Environmental Clearance, if such excavation is observed on the site DMO shall carry out the investigation of the same to ascertain whether the excavation was carried out after obtaining requisite permissions from the competent Authority, If no, the appropriate legal action shall be initiated against the defaulter and submit detailed report through concern Additional Collector.
- 10) All documents including approved mine plan, District Survey Report, EIA / EMP and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 11) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ topo sheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 12) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 13) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 14) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 15) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 16) PP to ensure that, uniform information is submitted in the ownership documents, Form-1M, Pre-feasibility Report, District Survey Report and Approved Mining plan
- 17) PP to submit documents in support of his claim of the rightful owner of the proposed quarry area.
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- 31) PP to ensure that, uniform information is submitted in the ownership documents, Form-1M, Pre-feasibility Report, District Survey Report and Approved Mining plan



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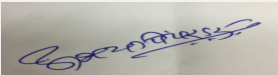


**Dr. Umakant Dangat
(Chairman SEAC-I)**

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal. Kindly find SEAC decision above.

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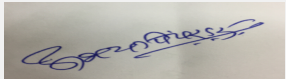
177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)

SEAC Meeting number: 177 Meeting Date February 5, 2020

Subject: Environment Clearance for Regularization of Existing Manufacturing Unit & Proposed Expansion of Synthetic Organic Chemicals Facility at Plot No. A-17, MIDC Mahad, Mahad, Dist. Raigad by Maharashtra Aldehydes and Chemicals Ltd.

Is a Violation Case: Yes

1.Name of Project	Regularization of Existing Violation and Proposed Expansion of Synthetic Organic Chemicals Facility at Plot No. A-17, MIDC Mahad, Mahad, Dist. Raigad by Maharashtra Aldehydes and Chemicals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Maharashtra Aldehydes and Chemicals Limited,
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Regularization of Existing violation and Proposed Expansion of existing Synthetic Organic Chemicals Manufacturing activity
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No- proposal pertains to Regularization of Existing violation and Proposed Expansion of existing Synthetic Organic Chemicals Manufacturing activity
8.Location of the project	Plot No. A-17, MIDC Mahad, Mahad
9.Taluka	Mahad
10.Village	Kamble Turf Birwadi
Correspondence Name:	D N Patil (General Manager - Works)
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Maharashtra Aldehydes and Chemicals Limited, A-17, MIDC Mahad Mahad, Dist Raigad
City:	MIDC, Mahad
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC plot approval IOD/IOA/Concession/Plan Approval Number: MIDC plot approval: SPA/MHD/A-64302/of 2019, Dtd:- 17/02/2019 Approved Built-up Area: 6534.64
13.Note on the initiated work (If applicable)	2009-DEP & DMP capacity increased from 350 to 800 after obtaining Consent from MPCB 2011 - Product Mix changed with Consent from MPCB . For proposed expansion no work initiated at site .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	20000 sq.m.
16.Deductions	--
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 8799.90 b) Non FSI area (sq. m.): -- c) Total BUA area (sq. m.): 15404.753
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 20000 Approved Non FSI area (sq. m.): -- Date of Approval: 17-02-2019
19.Total ground coverage (m2)	7414.66
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37%


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21.Estimated cost of the project	500000000
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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Production bldg. 1 (Existing) including stores	Ground floor + 1 floor	11 mtrs
2	Production bldg. 2 (Proposed)	Ground floor + 5 floors	30 mtrs
3	Admin + QC (Existing)	Ground floor +1 Floor	7.5 mtrs
4	Admin (Proposed)- above existing stores	Ground floor + 1 Floor	9 mtrs
5	Utility bldg. (Existing)	Ground floor + 1 Floor	9 mtrs
6	Utility bldg. (Proposed)	Ground floor + 1 floor	8 mtrs
7	Any other- Hydrogenation Plant (Proposed)	Ground floor + 1 floor	8 mtr

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	Existing facility pertaining to manufacturing of Synthetic Organic chemicals.
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	A) Alkyl Esters of Phthalic acids	800	800	1600
2	B) Alkyl Esters of carboxylic acids	--	--	--
3	1. Ethyl Benzoate	30	0	30
4	2. Ethyl Butyrate	0	100	100
5	3. Ethyl Propionate	0	50	50
6	4. Ethyl Laurate	0	5	5

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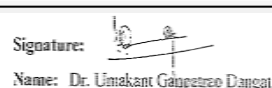
7	5. Ethyl Caprate	0	5	5
8	6. Ethyl Caproate	0	5	5
9	7. Ethyl Heptanoate	0	5	5
10	8. Ethyl 2-Methyl Butyrate	0	5	5
11	9. Ethyl Valerate	0	5	5
12	10. Ethyl Cinnamate	0	4	4
13	C) Alkyl Esters of Citric acid	--	--	--
14	1. Tri ethyl Citrate	0	100	100
15	2. Tri Butyl Citrate	0	15	15
16	3. Acetyl Tributyl Citrate	0	35	35
17	D) Phenol Derivatives	--	--	--
18	1. Syringaldehyde	1.5	0	1.5
19	2. Trimethyl Hydroquinone & its Formulations	20	0	20
20	3. Anisole	0	500	500
21	4. Anethole	0	300	300
22	5. 4-Methoxyl Acetophenone	0	260	260
23	6. 1-Piperidino 1-cyclohexene	0	40	40
24	7. Di hydro Anethole	0	20	20
25	8. Cis Anethole	0	10	10
26	9. 2-methoxy Acetophenone(2-MAP)	0	1	1
27	10. 2,4-Diacetyl Anisole	0	1	1
28	E) Cyclopentanone and its derivatives	--	--	--
29	1. Cyclopentanone	100	0	100
30	F) Absolute Alcohol	--	--	--
31	1. Anhydrous Alcohol	0	1200	1200
32	G) Distillation of Solvents	--	--	--
33	1. Ultrapurification of Solvents	165	235	400
34	H) Vitamin Formulations	--	--	--
35	1. Maxvit Vitamin Formulation	100	400	500
36	I) Sodium Sulphate	--	--	--
37	1. Sodium Sulphate	0	500	500
38	J) Acetic acid	--	--	--
39	1. Acetic acid	0	105	105
40	K) Propionic acid	--	--	--
41	1. Propionic acid	0	180	180



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42	L) Sodium Pyrrithione	--	--	--
43	1. Sodium Pyrrithione	75	- 75	0 (product will be discontinued in proposed project)

32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	377
	Recycled water - Flushing (CMD):	33 (Cooling tower)
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	410
	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	MIDC
	Fresh water (CMD):	352
	Recycled water - Flushing (CMD):	33 (Cooling tower)
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	385
	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	10.5	4.5	15	2.5	0.5	3	8	4	12
Industrial Process	79	-4.0	75	4.1	-4.1	0	74.9	0.1	75



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Cooling tower & thermopack	91	204	295	74.4	200.6	275	16.6	3.4	20
Gardening	8	17	25	8	17	25	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1 to 7 m pre-monsoon (CGWA report)
	Size and no of RWH tank(s) and Quantity:	12 m3 capacity tank (1 No)
	Location of the RWH tank(s):	Within site
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Nil
	Budgetary allocation (Capital cost) :	Rs. 3 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakhs
	Details of UGT tanks if any :	12 m3 capacity tank (1 No)

35.Storm water drainage	Natural water drainage pattern:	Towards south.
	Quantity of storm water:	162.5 lit/second
	Size of SWD:	0.3 m x 0.5 m (3 Nos)

Sewage and Waste water	Sewage generation in KLD:	12 cmd (Existing + Proposed)
	STP technology:	Sewage will be treated in ETP at site
	Capacity of STP (CMD):	It will be combinly treated in Effluent treatment plant
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Nil
	Budgetary allocation (O & M cost):	Nil

36.Solid waste Management

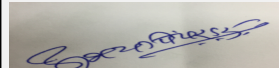
Waste generation in the Pre Construction and Construction phase:	Waste generation:	5500 cum substratum removed for new building 3500 cum Debris generated Miscellaneous scrap (glass, plastic, metals) - 5 Tons - to be sold for recycle and reuse
	Disposal of the construction waste debris:	Substratum/Debris/ site preparation waste will be reused for leveling of plot
Waste generation in the operation Phase:	Dry waste:	Coal ash - 3.1 TPD
	Wet waste:	Garden Trimming / Canteen Waste - 1 TPM
	Hazardous waste:	Details given in Sr No 39 below
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	0.2 TPM ETP Biological sludge
	Others if any:	Not Applicable

Mode of Disposal of waste:	Dry waste:	Sale to brick manufacturer or for landfilling
	Wet waste:	Composted sludge will be used as manure
	Hazardous waste:	CHWTSDF / Sale to authorized Parties
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Mix with compost and used as Manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	Within plot- Coal ash silo near Boiler house Canteen and wet waste - near ETP
	Area for the storage of waste & other material:	50 Sq. mtr.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Existing Rs 10 Lacs + Proposed Rs 15 lakhs = Rs 25 lakhs
	O & M cost:	Existing Rs. 21.66 lakhs + Proposed Rs 25 Lacs per year

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	2 to 4	6.5 to 9	6.5 to 9
2	Chemical oxygen Demand	mg/L	9000 to 10000	< 150	250
3	Biological oxygen Demand	mg/L	3000 to 4000	< 30	30
4	Total suspended solids	mg/L	200 to 250	< 50	100
5	Total Dissolved solids	mg/L	3500 to 4000	< 1500	2100
6	Oil & Grease	mg/L	10 to 15	< 5	10
7	Sulphate	mg/L	300 to 350	< 800	1000
8	Total Ammonical nitrogen	mg/L	7 to 10	< 30	50
9	Chloride	mg/L	150 to 200	< 400	600
Amount of effluent generation (CMD):		107 cmd (Existing 99.5 cmd + Proposed additional 7.5 cmd)			
Capacity of the ETP:		110 cmd ETP (for biodegradable waste) 40 cmd RO (for utility effluents) and 45 cmd MEE (for high TDS effluents)			
Amount of treated effluent recycled :		33 cmd of treated effluent will be recycled for cooling purposes			
Amount of water send to the CETP:		67.5 cmd to CETP			
Membership of CETP (if require):		Yes, MACL is member of Mahad CETP			
Note on ETP technology to be used		Low Organic effluent from process will be segregated & treated along with sewage water Aerobic Biological process comprising Primary, Secondary & tertiary units. Wastewater from Utilities (CT, Boiler blowdown and DM Plant rinses) will be passed through RO and permeate reused for cooling. High COD/high TDS effluent will be treated in MEE and salts will be recovered, condensate will be treated in Aerobic biological ETP Process.			
Disposal of the ETP sludge		ETP Chemical sludge (including MEE salts) 10 TPM to CHWTSDF ETP Biological sludge 0.2 TPM will be disposed with Compost.			

38. Hazardous Waste Details



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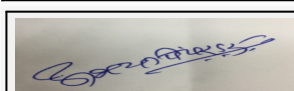
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge form waste water treatment	35.3	TPM	10	200	210	CHWTSDF
2	Residue And wastes	28.1	KL/M	120	300	420	CHWTSDF
3	Spent Organic solvent	28.6	KL/M	270	0	270	Sale to MPCB authorized recycler/ CHWTSDF
4	Process sludge / residue	26.1	KL/M	60	150	210	CHWTSDF
5	Discarded barrels/liners	33.1	Nos/A	0	2200	2200	Sale to MPCB authorized recycler
6	Discarded Asbestos	15.2	Kg/A	0	250	250	CHWTSDF
7	Spent oil	5.1	Kg/M	0	230	230	Sale to MPCB authorized recycler
8	Oil soaked gaskets and cotton waste	5.2	Kg/M	0	5	5	CHWTSDF
9	Filter & Filter material	36.2	TPA	0	1	1	CHWTSDF
10	Spent catalyst	28.2	TPA	0	10	10	Recycle to catalyst manufacture / 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	Boiler (existing) - 2 TPH	Coal- 7 TPD	1	32 mtr	0.8	142
2	TFH (Existing) - 3 Lakh Kcal/Hour	FO- 1.2 KL/day OR Coal- 2.8 TPD	1	20 mtr	0.45	148
3	Boiler (Proposed) - 6 TPH	Coal: 26 TPD	1	33 mtr	0.6	140
4	TFH (Proposed) - 8 lakh Kcal/hour	Coal: 7.2 TPD	1	30 mtr	0.35	150
5	DG set (Existing) - 62 KVA	HSD: 0.5 KL/day	1	2 mtr above roof	0.15	140
6	DG set (Proposed) - 250 KVA	HSD: 1.2 KL/day	1	3.5 mtr above roof	0.30	140
7	Process reactor (proposed)	--	1	15 mtr	0.1	Ambient

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Imported Coal (10 % Ash + 0.5 % Sulphur) / Briquette	9.8 TPD	33.2 TPD	43 TPD
2	Furnace oil (0.2 % Ash % & 4.5 % Sulphur)	1.2 KL/day	--	1.2 KL/day
3	HSD (0.01 Ash % & 1 % Sulphur)	0.5 KL/day	1.2 KL/day	1.7 KL/day
41.Source of Fuel		Coal Imported from Indonesia and other countries FO & HSD from Indian Refineries		
42.Mode of Transportation of fuel to site		By road (Through Closed Vehicle)		



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43.Green Belt Development	Total RG area :	6735.05 Sq. mtr.
	No of trees to be cut :	Nil
	Number of trees to be planted :	1000 Nos (approx.)
	List of proposed native trees :	Refer below
	Timeline for completion of plantation :	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	Anona squamosa	Custard apple	10	Medicinal uses
2	Mimusopselengi	Bakuli	40	Ayurvedic medicine
3	Mangifera indica	Mango	100	Along Periphery provide screening effect, Shade and shelter, Soil improvement, Beverage base, Emergency (famine) food
4	Ficus glomerata	Umber	10	Healing power, applied over afflicted by insect bites.
5	Aegle marmelos	Beal	40	Soil improvement
6	Feronia elephantum	Kawath	50	Soil improvement, Soil compounding
7	Azadirachta indica	Neem	100	Purify the environment by releasing more oxygen & medicinal
8	Gardenia jasminoides	Anant	50	Shade and shelter, Along Periphery provide screening effect
9	Nyctanthus arbor-tristis	Parijatak	100	Shade and shelter, Along Periphery provide screening effect
10	Psidium guava	Guava tree	100	medicinal uses
11	Plumeria	Chafa	100	Shade and shelter, Along Periphery provide screening effect
12	Saraca asoca	Ashoka	100	Shade and shelter, Along Periphery provide screening effect
13	Acacia auriculiformis	Australian Babhul	50	Shade and shelter, Along Periphery provide screening effect
14	Eucalyptus citriodora	Neelgiri	50	medicinal uses
15	Hyophorbelagenicaulis	Botel palm	50	Shade and shelter, Along Periphery provide screening effect
16	Cacia Fishtula	golden rain tree	59	Shade and shelter, Along Periphery provide screening effect

45.Total quantity of plants on ground 1000

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	--	--	--

47.Energy



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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	770 KVA (proposed)
	DG set as Power back-up during construction phase	2 DG set (Existing 1 No. 62 KVA + Proposed 1 No. 250 KVA)
	During Operation phase (Connected load):	770 KVA
	During Operation phase (Demand load):	770 KVA
	Transformer:	within plot
	DG set as Power back-up during operation phase:	2 DG set (Existing 1 No. 62 KVA + Proposed 1 No. 250 KVA)
	Fuel used:	HSD for DG sets
	Details of high tension line passing through the plot if any:	No HT line passing through plot.

48. Energy saving by non-conventional method:

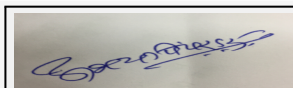
It is proposed to install 31 KW solar energy panels.

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

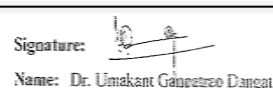
Source	Existing pollution control system	Proposed to be installed
Air pollution - Boiler (Existing)	Mechanical dust collector, bag filter, stack	-
Air pollution - TFH (Existing)	Mechanical dust collector, stack	-
Air pollution - DG Set (Existing)	Exhaust pipe height	-
Air pollution - Boiler (Proposed)	-	Stack height with cyclone separator & bag filter
Air pollution - TFH (Proposed)	-	Stack height with cyclone separator & bag filter
Air pollution - DG set (Proposed)	-	Exhaust pipe height
Air pollution - Process vent (Proposed)	-	Stack



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Noise Pollution	PPE, acoustic enclosure	PPE, acoustic enclosure
Solid and hazardous waste management	Disposal to CHWTSDF / Recycling or sale to authorized party	Disposal to CHWTSDF / Recycling or sale to authorized party
Water Pollution	ETP (Combined treatment trade effluent with sewage)- primary, secondary and tertiary treatment	MEE & RO
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Noise and dust	Barricading around construction site	Rs. 2.55 lakhs
2	Land environment	Top soil Management & Substratum disposal	Rs. 2.65 Lakhs
3	Safety	OHS Measures for labourers	Rs. 0.5 lakhs

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	Provision of stacks and bag filters as per norm	13 (Existing) + 20 (Proposed)	1.3 (Existing) + 2 (Proposed)
2	Water Pollution Control	MEE unit for expansion to be installed in phases	0 (Existing) + 250 (Proposed)	-
3	Water Pollution Control	RO unit for expansion to be installed in phases	0 (Existing) + 30 (Proposed)	-
4	Water Pollution Control	ETP Upgradation	61 (Existing ETP) + 30 (Proposed)	21 (Existing) + 64 (Proposed)
5	Environmental Monitoring	Routine on site monitoring	2 (Existing) + 5 (Proposed)	1.5 (Existing) + 2 (Proposed)
6	Noise Control	Acoustic enclosure/ Anti vibration pads, PPE's (in built in equipment cost), PPEs	3 (Existing) + 5 (Proposed)	2 (Existing) + 3 (Proposed)
7	Hazardous waste & Solid Waste management	Storage & Disposal of Hazardous Waste & Non-Hazardous Waste	10 (Existing) + 15 (Proposed)	21.66 (Existing) + 25 (Proposed)
8	Occupational health, safety and fire protection	Fire (Fire hydrant network), safety and occupational health.	10 (Existing) + 32(Proposed)	3 (Existing) + 8 (Proposed)
9	Green Initiative (Solar energy)	Solar energy utilization for office building, Street lighting, Water heating	0 (Existing) + 25(Proposed)	0 (Existing) + 1.5(Proposed)
10	Rain Water Harvesting	Rain Water Harvesting	0 (Existing) + 3 (Proposed)	0 (Existing) + 0.5 (Proposed)



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11	Green belt within site	Green belt within site	1.95 (390 Nos x 500 Rs per tree) (Existing) + 5.00 (1000 Nos x 500 Rs per tree) (Proposed)	1.0 (Existing) + 2 (Proposed)
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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
SDS	Existing + Proposed	within plot	100 KL + 3 x 100 KL	300 KL	1283	Local	Tanker
Methanol	Existing	within plot	46 KL	40 KL	755	Local	Tanker
Acetic Anhydride	Proposed	within plot	20 KL	16 KL	209	Local	Tanker
Hexane	Existing	within plot	12 KL	10 KL	444	Local	Tanker
2 Ethyl Hexanol	Proposed	within plot	2 x 100 KL	2 x 80 KL	300	Local	Tanker
Iso Nonyl Alcohol	Proposed	within plot	100 KL	80 KL	37	Local	Tanker
Propionic Anhydride	Proposed	within plot	20 KL	16 KL	328	Local	Tanker
Acetonitrile	Proposed	within plot	20 KL	16 KL	444	Local	Tanker
Ethyl Acetate	Proposed	within plot	20 KL	16 KL	444	Local	Tanker
Ethyl Acetoacetate	Proposed	within plot	20 KL	16 KL	444	Local	Tanker
Acetic acid	Proposed	within plot	20 KL	16 KL	444	Local	Tanker
Butanol	Proposed	within plot	20 KL	16 KL	59	Local	Tanker
Toluene	Proposed	within plot	20 KL	16 KL	444	Local	Tanker
Hydrogen	Proposed	within plot	2 cylinder trolley	2 cylinder trolley	7	Local	Trolley Truck

52.Any Other Information

No Information Available

53.Traffic Management

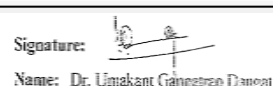
Nos. of the junction to the main road & design of confluence:	Not applicable
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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	2510.59 (12.55 %)
	Area per car:	Not applicable
	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):	6 mtr
	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	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-04-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

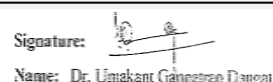
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. PP proposes Zero Liquid Discharge ETP for 39.5 KLD effluent. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes to provide ZLD ETP for 39.5 KLD effluent which will be reused in the process and 67.5 KLD treated effluent will be discharged to the CETP after obtaining prior permission from the Competent Authority.
Drainage pattern of the project	PP considered the contour level during design of storm water drains.



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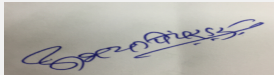
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Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The proposed energy demand is 770 KVA. PP proposes one DG set of capacity 250 KVA along with existing one DG set of 62 KVA.
Traffic circulation system and risk assessment	PP provided minimum six meter wide internal roads with nine meter of turning radius for smooth movement of vehicles.
Landscape Plan	PP proposes to provide 33% green belt with the premises.
Disaster management system and risk assessment	PP has carried out HAZOP and Risk assessment and prepared Disaster Management Plan.
Socioeconomic impact assessment	PP has carried out socio - economic impact of the project and included in the EIA report.
Environmental Management Plan	PP proposes to provide EMP cost of Rs. 10.00 Lakhs as capital cost and Rs. 5.00 Lakhs as recurring cost during construction phase and Rs. 426.00 Lakhs as capital cost and Rs. 108.00 Lakhs of recurring cost during operation phase.
Any other issues related to environmental sustainability	PP to submit bank guarantee of Rs. 124.40 Lakhs with the Maharashtra Pollution Control Board.
Brief information of the project by SEAC	



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PP submitted their application for grant of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018. PP applied for the grant of ToR to the SEIAA vide Unique ID No1212.. on 12th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

The proposal was considered in the 151st meeting of SEAC held on 25.05.2018 where in the proposal was deferred for following reason.

"it was observed that PP was not having adequate information to present to the committee."

The proposal was again considered in 153rd meetng held on 02.07.2018 whrere in following decision was taken,

After detailed deliberations with the PP and their accredited consultant it was observed that PP has not submitted the information and documtns as requireid under para 13(4) of the Notification dated 14.03.2017 which reads as below;

"The cases of violation will be appraised by respective sector Expert Appraisal Committees constituted under subsection (3) of Section 3 of the Environment (Protection) Act, 1986 with a view to assess that the project has been

constructed at a site which under prevailing laws is permissible and expansion has been done which can be run sustainably under compliance of environmental norms with adequate environmental safeguards; and in case, where the

finding of the Expert Appraisal Committee is negative, closure of the project will be recommended along with other actions under the law."

Hence, Deferred.

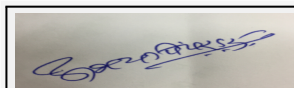
The proposal was then in the 155th meeting held on 06.09.2018 wherein ToR was grnated to the PP for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit an affidavit for not violating any conditions stipulated in the Consent letter issued by Maharashtra Pollution Control Board.
3. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
4. 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
5. PP to submit year wise comparative of the consumption of the resources like water, energy, raw material etc. with respect to the products manufactured.
6. PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
7. PP to submit details of Forest and Wild Life eco sensitive zones if nay in the study area and within the range of 5 km.
8. Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
9. PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
10. PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
11. PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
12. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
13. 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.
14. PP to carry out HAZOP and QRA and submit Disaster Management Plan.
15. PP to provide new and renewable energy sources for the illumination of the office building and street lights.
16. PP to use briquettes as a fuel for boiler or use coal haivng ash content less than 10%.

As the project is located in the notified industrial area Public CONsultation is expempted as per EIA Notification, 2006.

After submission of EIA/EMP report the proposal was cosnidered in the 170th meeting of SEAC-1 held on 23.20.2019 wherein PP requested to postpone the case.

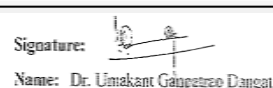
Now PP requested to consider the proposal for appraisal.



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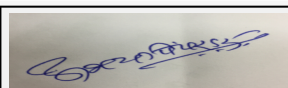
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DECISION OF SEAC

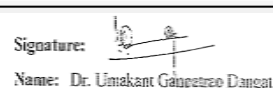
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During deliberation PP informed that, they have identified the ecological damage and prepared Remediation plan and Natural and Community Augmentation plan as per Notification issued by MoEF&CC and the approach paper issued by SEIAA. PP also submitted that, they have not exceeded the production quantity beyond the prescribed limits in Consent to Operate issued by MPCB but they have inadvertently added few new products in the manufacturing without obtaining prior Environmental Clearance leading to violation.

The details of Ecological Damage assessment as per approach paper is as below,

1. During Construction phase - Rs. 8.34 L
2. Sludge Disposal - Rs. 4.51 L
3. Water Resource use and its treatment - Rs. 42.67 L
4. Impact on Biodiversity - Rs. 5.00 L
5. Economic Benefit - Rs. 124.00 L

TOTAL - Rs. 184.52 L.

PP proposes following remediation plan,

1. Zero Liquid Discharge ETP - Rs. 30.00 L
2. Green Belt Development - Rs. 5.00 L
3. Solar Panel of 50 KW - 25.00 L
4. Rain water harvesting facility - 15.00 L

TOTAL - 75.00 L

PP proposes following Natural and Community Resource Augmentation Plan,

1. Provision of R.O. water, Solar Lamps, Sanitation facility in the Z.P. School at village Temghar and Deshmukh Kamble Turf (Mahad) - **Rs. 49.40 L**

The total cost of Remediation and Natural and Community Resource Augmentation Plan is Rs. 124.40 Lakhs.

As per Notification issued by MoEF&CC dated 08.03.2018, PP requires to submit the bank guarantee equal to the cost of Remediation Plan and Natural and Community Resource Augmentation Plan with the Maharashtra Pollution Control Board.

Apart from the bank guarantee of Rs. 124.40 Lakhs, PP proposes to provide EMP cost of Rs. 10.00 Lakhs as capital cost and Rs. 5.00 Lakhs as recurring cost during construction phase and Rs. 426.00 Lakhs as capital cost and Rs. 108.00 Lakhs as recurring cost during operation phase.

PP also to allocate Rs. 26.00 Lakhs as CER plan to be prepared and implemented in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

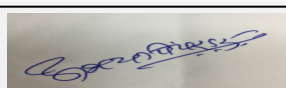
In view of above SEAC decided to recommend the proposal to SEIAA for Environment Clearance subject to the following conditions and strict compliance of EMP, submission of bank guarantee of Rs. 124.40 Lakhs with the Maharashtra Pollution Control Board and adherence to the following conditions.

Specific Conditions by SEAC:

- 1) PP to provide Zero Liquid Discharge Effluent Treatment Plant.
- 2) PP to provide mechanical sludge drying system to ensure proper drying of ETP sludge in rainy season.
- 3) PP to ensure compliance of the recommendations of the HAZOP and Risk assessment study.
- 4) PP to include carbon and water foot print monitoring in their management plan.
- 5) PP to use briquettes as a fuel for boiler or use coal having ash content less than 10%.
- 6) PP to provide new and renewable energy sources for the illumination of the office building and street lights.

FINAL RECOMMENDATION

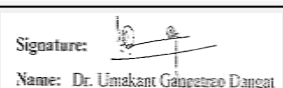
SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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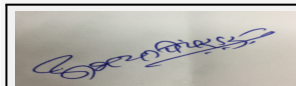
**Dr. Umakant Dangat
(Chairman SEAC-I)**

177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)**SEAC Meeting number: 177 Meeting Date** February 5, 2020**Subject:** Environment Clearance for Stone Quarry mining At village Chivari, Tal : Tuljapur, Dist: Osmanabad**Is a Violation Case:** No

1.Name of Project	Stone Quarry project by Shri. Dadarao Mahadeo Lohar, Shri. Balakrishna Sambhaji Shelawane and Shri. Suraj Shivaji Disale. at Village Chivari, Tal : Tuljapur, Dist: Osmanabad
2.Type of institution	Private
3.Name of Project Proponent	Shri. Dadarao Mahadeo Lohar, Shri. Balakrishna Sambhaji Shelawane and Shri. Suraj Shivaji Disale.
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	New Projects
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gat no. 260 (Part), village Chivari, Tal : Tuljapur, Dist: Osmanabad
9.Taluka	Tuljapur
10.Village	Chivari
Correspondence Name:	Shri. Dadarao Mahadeo Lohar
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Umrgaon Chivari, , Post : Andur
City:	Osmanabad
11.Whether in Corporation / Municipal / other area	Chivari Grampanchayat.
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval Number : STC-05(Mining Plan) /2018/528 Approved Built-up Area: 20000
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.)	2.00 Ha
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.): 20000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable Approved Non FSI area (sq. m.): Not applicable Date of Approval: 27-09-2018
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	3000000


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22.Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Not applicable	Not applicable	Not applicable	
23.Number of tenants and shops	Not applicable			
24.Number of expected residents / users	Not applicable			
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	Basalt Stone	Not applicable	8750 Brass/Annum	8750 Brass/Annum
32.Total Water Requirement				



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Dry season:	Source of water	Tanker Water
	Fresh water (CMD):	3.8
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.8 m3/day
	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
Water Requirement									
Domestic	Not applicable	0.30	0.30	Not applicable	0.03	0.03	Not applicable	0.27	0.27
Gardening	Not applicable	2.00	2.00	Not applicable	2.00	2.00	0	0	0
Industrial Process	Not applicable	1.50	1.50	Not applicable	1.50	1.50	0	0	0



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	55 meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	Sewage generation in KLD:	0.27
	STP technology:	Bio toilets will be provided.
	Capacity of STP (CMD):	Bio toilets will be provided.
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	100000
	Budgetary allocation (O & M cost):	10000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not applicable
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	Dry waste:	Overburden soil or Murrum will be used for plantation
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable

Mode of Disposal of waste:	Dry waste:	Overburden will be backfilled in the mine pit
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

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

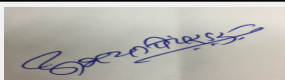
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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		
42. Mode of Transportation of fuel to site		Not applicable		



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43.Green Belt Development	Total RG area :	0.407 Ha
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	610
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	2 Years

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

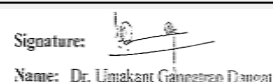
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	40	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	35	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	30	Medicinal plants, Fruit an important condiment in Indian cuisine, tolerates drought
4	Pongia pinnata	Karanja	35	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus recemosa	Umber	40	Medicinal value, Edible fruits, Bird attracting species
6	Ficus religiosa	Pimpal	45	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Terminalia arjuna	Arjuna	45	Medicinal value, helping to reduce soil erosion
8	Mangifera indica	Amba	45	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	45	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	30	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain Tree	20	A multipurpose tree
12	Tectona grandis	Sagwan	30	Teak is a large, long, deciduous tree
13	Leucaena leucocephala	Subabul	25	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.



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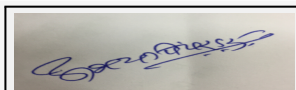
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14	Cassia fistula	Bahava	50	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Ficus benghalensis	Vad	45	argest trees by canopy coverage, The figs produced by the tree are eaten by birds
16	Total	-	610	-
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not applicable	Not applicable	Not applicable	
47.Energy				
Power requirement:	Source of power supply :	Not applicable		
	During Construction Phase: (Demand Load)	Not applicable		
	DG set as Power back-up during construction phase	Not applicable		
	During Operation phase (Connected load):	Not applicable		
	During Operation phase (Demand load):	Not applicable		
	Transformer:	Not applicable		
	DG set as Power back-up during operation phase:	Not applicable		
	Fuel used:	Not applicable		
	Details of high tension line passing through the plot if any:	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	
Air Pollution	Not applicable		A thick green belt will be maintained around the lease area and on both sides of the haul roads	



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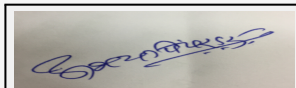
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Noise Pollution	Not applicable		A thick green belt will be maintained around the lease area and on both sides of the haul roads. Appropriate PPE's like ear muffs and ear plugs will be provided to workers exposed to high frequency noise	
Solid waste management	Not applicable		The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	
Sewage Water	Not applicable		Biotoilets will be provided.	
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	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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.70	0.10
2	Noise Pollution	Thick green belt development, Provide PPE to workers	0.40	0.05
3	Solid waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution	Septic tank followed by soak pit will be provided	1.00	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.30	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	2.70	0.85
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)				

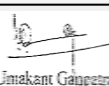


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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable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

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
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	-
	Category as per schedule of EIA Notification sheet	B2 Category
	Court cases pending if any	No
	Other Relevant Informations	Latitude Longitude R.L (meter) N 17° 52' 17.23" E 76° 13' 27.29" 608.26 N 17° 52' 16.91" E 76° 13' 31.24" 609.41 N 17° 52' 11.73" E 76° 13' 31.61" 602.94 N 17° 52' 11.80" E 76° 13' 27.27" 697.17



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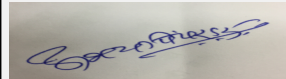
Name: Dr. Umakant Dangat
Dr. Umakant Dangat (Chairman SEAC-I)

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP proposes to provide mitigation measures for dust control, vehicular emission, domestic waste water, etc.
Water Budget	PP submitted water budget calculations at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP to provide movable toilets to the workers working in the mine area and sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
Drainage pattern of the project	PP not to obstruct any natural stream the garland drains shall be designed considering the contour levels on site so as to reach rain water to the mined pit or to the natural course exists on site.
Ground water parameters	No ground water withdrawal is permitted in the proposed mine area.
Solid Waste Management	PP to ensure proper disposal of solid waste as approved by the competent Authority. No nuisance of the waste be created in and around the proposed mine area.
Air Quality & Noise Level issues	PP proposes to construct pakka approach road, water sprinkling for the control of dust pollution. PP proposes to ensure PUC of the vehicles transporting mined material.
Energy Management	Not Applicable
Traffic circulation system and risk assessment	PP to provide adequate load bearing capacity road for safe plying of the heavy vehicles transporting mined material.
Landscape Plan	PP proposes to develop green belt on the mined area, the mined pits will be created as water reservoirs with all necessary safety provisions.
Disaster management system and risk assessment	PP proposes to provide medical aid facility on the site. DGM approved mine manager will be appointed by the PP.
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	PP submitted EMP cost calculations at Sr. No. 51 of the Consolidated Statement.
Any other issues related to environmental sustainability	Mining / loading activity should carried out only in in day hours' time.

Brief information of the project by SEAC


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PP submitted application for the grant of Environmental Clearance under category 1(a)B2 of the EIA Notification, 2006.

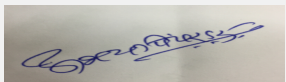
The proposal was earlier considered in the 167th A meeting of SEAC-1 held on 31.07.2019 wherein the proposal was deferred for following reason,

"During deliberations, it was observed that, the proposed area of stone quarry is not included in the DSR.

In view of above, SEAC-1 decided to defer the proposal till submission of revised DSR including the location of proposed quarry and all requisite documents. Concerned District Mining Office shall remain present at the time of appraisal."

Now PP submitted copy of District Survey Reprot.

DECISION OF SEAC


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

DMO (Shri. Wasim Sayyad) was present for the meeting.

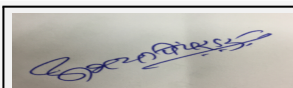
SEAC-1 appraised the proposal based on the information presented by the PP , their consultant and DMO.

After deliberations with the PP, DMO and cinsultant, SEAC-1 decided to recommend the proposal for prior Environemntal Clearance to the SEIAA subject to the following conditions.

Specific Conditions by SEAC:

- 1) PP shall take effective steps for quarrying activity only after demarcation of proposed quarry area and 7.5 meter wide safety zone in presence of the DMO.
- 2) PP to develop green belt by planting 612 nos. of indigenous trees in 7.5 meter wide safety zone on the periphery of the proposed area and 378 nos. of indigenous trees along the approach road before taking any effective steps on site.
- 3) PP to appoint qualified fore man as a Mine Manager approved by Director General of Mines to ensure safety of the staff/labors appointed at mine site.
- 4) PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. PP to plant trees along the road.
- 5) PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
- 6) PP to provide First Aid facility at the proposed mining site.
- 7) PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
- 8) PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans.
- 9) PP along with revenue and forest department shall conduct a joint tree survey and if any trees needs to be cut PP shall ensure compensatory afforestation is to be done as per prevailing rules with the help of Forest Department. PP to transplant the trees to be cut within the non-mine area of the proposed plot.
- 10) The mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 11) PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
- 12) PP to ensure that no mining shall be done below the depth as approved in the mining plan.
- 13) PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
- 14) PP to ensure no stream is diverted due to proposed quarrying activity.
- 15) PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.
- 16) PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
- 17) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
- 18) PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
- 19) PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
- 20) PP to ensure that, the overburden be stored on site and shall be used for refilling of mine pit.
- 21) PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
- 22) PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
- 23) The transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
- 24) PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC on 01.05.2018.

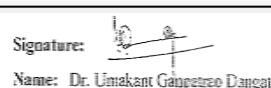
FINAL RECOMMENDATION



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

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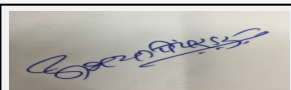
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**Dr. Umakant Dangat
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SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

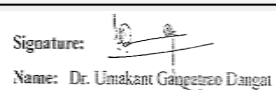
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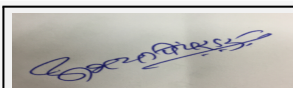
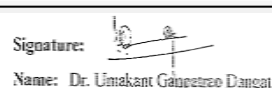
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**Dr. Umakant Dangat
(Chairman SEAC-I)**

177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)**SEAC Meeting number: 177 Meeting Date** February 5, 2020**Subject:** Environment Clearance for Proposed Project of Hydrogenation Capacity Expansion of M/s. Insulation & Polymers Pvt. Ltd.**Is a Violation Case:** No

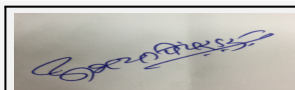
1.Name of Project	M/s. Insulations and Polymers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Polly N. Fernandes
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Expansion Project, Schedule 5 (f); Category B-1
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Plot No. B-16, Phase-I, MIDC Dombivali (E)
9.Taluka	Kalyan
10.Village	Ajade
Correspondence Name:	Mr. Polly Nazareth Fernandes
Room Number:	C-201
Floor:	2nd Floor
Building Name:	Suncrest, Accolade Galaxy
Road/Street Name:	Green Road,
Locality:	Thane
City:	Thane
11.Whether in Corporation / Municipal / other area	Industrial area
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: 2553 Approved Built-up Area: 866.74
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.)	2113 sq. m.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 06-10-2004
19.Total ground coverage (m2)	682.96 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.32
21.Estimated cost of the project	10000000

22.Number of buildings & its configuration**Abhay Pimparkar (Secretary SEAC-I)****SEAC Meeting No: 177 Meeting Date: February 5, 2020****Page 54 of 91****Dr. Umakant Dangat (Chairman SEAC-I)**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	6 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

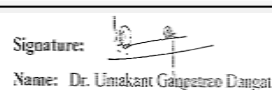
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Hydrogenation of: B-Phenylethylamine (Derivatives)/P,O- Tertiary Butyl Cyclohexyl Acetate/Ortho Methyl Cyclo butyl acetate (TBD)/3,3,5-Trimethyl Cyclohexanol/M-Phenoxybenzyl Alcohol (TBD)/Heptyl Alcohol/Phenyl Propyl Alcohol/Octyl Alcohol/Styrallyl Alcohol/Hexylene Glycol (Glycol derivatives)/Hydrogenated AMSD/Citronellol/Cis-Pinane /Cyclopentyl Amine (P)/2 -Amino- 4 -Phenyl Butane (P)/Benzyl Amine (P)/Cyclopentanol (P)/Benzyl Acetone (P)/Hexone (P)/Citronellal (P)/Dihydro Cinnamic Acid (P)/Ortho Methyl Cyclo hexanol (P)/1(4 Chloromethyl) 4,4 Dimethyl 3 Pentanone (PCS II) (P)	50	450	500



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32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	4	0	4	1	0	1	2	1	3
Cooling tower & thermopack	5	5	10	5	5	10	0	0	0
Gardening	0	4	4	0	4	4	0	0	0



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Fresh water requirement	9	9	18	6	9	15	2	1	3
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5-6 m
	Size and no of RWH tank(s) and Quantity:	1 no. - 2 m x 4.8 m x 2.5 m (Capacity: 24 m3)
	Location of the RWH tank(s):	Near Parking
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	50,000
	Budgetary allocation (O & M cost) :	5,000
	Details of UGT tanks if any :	1. RWH tank: 1 no. - 2 m x 4.8 m x 2.5 m (Capacity: 24 m3) 2. Fire Hydrant Tank: 5.83 m x 4.8 m x 2.5 m (Capacity: 70 m3)

35.Storm water drainage	Natural water drainage pattern:	Natural slope on the plot is from South to North plot boundary.
	Quantity of storm water:	168.96 m3/hr.
	Size of SWD:	0.3 m X 0.3 m

Sewage and Waste water	Sewage generation in KLD:	3
	STP technology:	To treat the domestic sewage effluent, Septic tanks followed by Soak pits are provided.
	Capacity of STP (CMD):	3 CMD
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	15000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	Paper waste from admin area - 10 kg/M
	Wet waste:	NA
	Hazardous waste:	Spent Catalyst (Category 28.2); Total Qty. 8000 kg/M
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	Dry waste:	Paper waste from admin area is disposed to scrap dealers
	Wet waste:	NA
	Hazardous waste:	Returned to party or Sold to authorized recycler for replenishment
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	Dedicated hazardous waste storage area is be provided.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.64	7.1	5.5-9
2	COD	mg/l	593	50	250
3	BOD	mg/l	184	13	100
4	TSS	mg/l	119	30	100
5	TDS	mg/l	738	160	2100
6	O.G.	mg/l	4	0.2	10

Amount of effluent generation (CMD):

NA

Capacity of the ETP:

NA

Amount of treated effluent recycled :

NA

Amount of water send to the CETP:

NA

Membership of CETP (if require):

NA

Note on ETP technology to be used

NA

Disposal of the ETP sludge

NA

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Raney Nickel Catalyst	28.2	MT/M	0.5	7.5	8	Sent back to respective party or sold to authorized recycler for replenishment

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	2 lakh kcal Thermic Fluid Heater	HSD 200 LTR/D	1	11	0.38	140



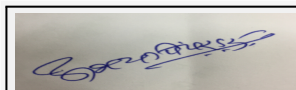
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2	82.5 kVA Diesel Generator(only in case of Power Failure)	HSD 5 LTR/hr	2	3.5	0.08	160
40.Details of Fuel to be used						
Serial Number	Type of Fuel	Existing	Proposed		Total	
1	High speed diesel (L/D) For TFH	200	0		200	
2	High speed diesel (L/Hr) For DG set (only in case of Power Failure)	5	0		5	
41.Source of Fuel		Local Vendor				
42.Mode of Transportation of fuel to site		By road				
43.Green Belt Development						
Total RG area :		845.5 sq. m.				
No of trees to be cut :		NA				
Number of trees to be planted :		Existing: 64, Proposed: 63, Total: 127				
List of proposed native trees :		63				
Timeline for completion of plantation :		Within 1 year of the implementation of the project.				
44.Number and list of trees species to be planted in the ground						
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance		
1	Azadirachta indica	Neem	11	A native evergreen tree known for plantation in polluted area.		
2	Morus alba	Tuti	11	A native ornamental tree.		
3	Butea monosperma	Palash	10	A native brilliantly flowering tree fed by local birds fairly common and abundant across the District.		
4	Annona reticulata	Custored Apple	15	A native evergreen tree with large canopy & large leaf area which helps in dust settling		
5	Flowering trees	Flowering trees	16	A native evergreen tree with beautiful flowers & thick hairy leaves which helps in dust settling		
45.Total quantity of plants on ground						
46.Number and list of shrubs and bushes species to be planted in the podium RG:						
Serial Number	Name	C/C Distance	Area m2			
1	NA	NA	NA			
47.Energy						

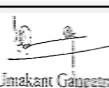


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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	80 kVA
	During Operation phase (Demand load):	40 kVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	82.5 kVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Solar energy will be used for lighting of office building and street lights.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emissions	Stack height of 11 m have been provided to existing thermic fluid heater , 3.5 m stack height for existing D. G set of 82.5 KVA capacity.	HSD will be replaced by LDO to reduce sulphur emissions.
Liquid effluent	Septic tank followed by soak pits are provided for domestic waste water	Septic tank will be provided for the treatment of domestic waste water
Noise	Acoustic enclosures have been provided to D.G Sets. Preventive maintenance of all the noise generating equipment is/will be done	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	15,00,000
	O & M cost:	10,000

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

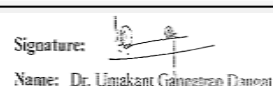
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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1	Noise Control	Installation of anti-vibration pads & enclosures for DG set & Thermic Fluid Heater	0.5	0.2
2	Occupational Health & Safety	Glare, Oxygen level detector, Hydrogen gas sensors, SCBA, Gloves, Boots, Helmets, Ear Plugs etc. & Annual health checkup of workers, Employment of Safety officer.	4	6.5
3	Green belt development	Development of green belt development & maintenance	1	2
4	Rain water harvesting	Provision of RWH collection & storage system	0.5	0.05
5	Solar Energy	Illumination of building components such as parking areas, streets and office buildings etc. and the maintenance of the same	15	0.1
6	Air pollution control	Installation of real time emission monitoring system, Internal road development etc.	20	0.5
7	Water pollution control	Septic tank and Soak pit will be provided to treat domestic effluent.	1	0.15
8	Solid Waste Management	Concrete paving of hazardous waste storage area, HW disposal cost (if sent to recycle)	1	0.5
9	Environment Monitoring & Management	Periodic Environment Monitoring	1.5	1.5
10	Carbon Footprint Monitoring	Carbon Footprint Monitoring on six monthly basis	0	3
11	Water Footprint Monitoring	Water Footprint Monitoring on six monthly basis	0	2
12	Post EC conditions monitoring	3rd Party Monitoring of compliance of conditions in EC.	0	5

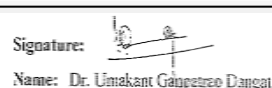
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)



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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
Benzyl Cyanide	Liquid	Enclosed shed	1	1	10	Local	Road
Cyclopentanone	Liquid	Enclosed shed	6	6	40	Local	Road
Benzeledene Acetone	Solid	Enclosed shed	1.5	1.5	17.5	Local	Road
Benzaldehyde (Derivatives)	Liquid	Enclosed shed	1	1	5	Local	Road
PTBB/OTBP	Solid	Enclosed shed	1	1	5	Local	Road
Ortho cresol	Liquid	Enclosed shed	1	1	15	Local	Road
Isophorone	Liquid	Enclosed shed	7	7	70	Local	Road
Haptaldehyde	Liquid	Enclosed shed	7	7	70	Local	Road
Cinnamic Aldehyde	Liquid	Enclosed shed	1.5	1.5	15	Local	Road
2 Octanone	Liquid	Enclosed shed	1.5	1.5	15	Local	Road
Acetophenone	Liquid	Enclosed shed	1.5	1.5	15	Local	Road
3 Methyl 3 Penten 2 one	Liquid	Enclosed shed	5	5	5	Local	Road
Diacetone Alcohol(derivatives)	Liquid	Enclosed shed	1.5	1.5	15	Local	Road
AMSD	Liquid	Enclosed shed	7	7	60	Local	Road
Citral	Liquid	Enclosed shed	7	7	70	Local	Road
Alpha Pinene	Liquid	Enclosed shed	1.5	1.5	15	Local	Road
Cinnamic Acid	Solid	Enclosed shed	1.5	1.5	8	Local	Road
Hydrogen Gas	Gas	Enclosed shed	7932 Nm3	7932 Nm3	As required	Local	Road
Nitrogen Gas	Gas	Enclosed shed	482 Nm3	482 Nm3	As required	Local	Road
Raney Nickel Catalyst	Solid	Enclosed shed	2	1	2	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

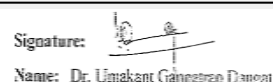
Nos. of the junction to the main road & design of confluence:	NA
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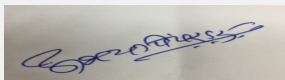


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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	165 sq. m.
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent 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	B-1
	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	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	No waste water is generated from the industrial activity. PP proposes Sewage Treatment Plant for treatment of domestic sewage.
Drainage pattern of the project	PP considered contour levels in designing of the storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits at project site.

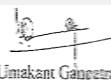


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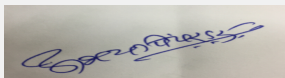
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Solid Waste Management	PP proposes to send back hazardous waste Spent Raney Nickel to the manufacturer for replenishment.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 40 kVA, which will be supplied by MSEDCL. PP also proposes one DG set with capacity 82.5 KVA DG set with HSD as a fuel. PP proposes 2 KVA solar panels.
Traffic circulation system and risk assessment	PP has indicated in the lay out plan that internal roads will be of six meter width along with nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP proposes 33% green belt within the premises
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and submitted DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.44.50 Lakh as capital cost and Rs. 21.50 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	



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

The proposal was considered in the 165th meeting of SEAC-1 held on 04.05.2019 wherein the proposal was deferred for the want of correct layout plan.

PP submitted revised layout and requested to grant the ToR. The proposal was considered in the 166th meeting of SEAC-1 held on 28.05.2019 wherein ToR was granted to the PP for the preparation of EIA /EMP reprot as per standard ToR issued by MoEF&CC and additional ToR points mentioned below,

1. PP to submit certificate of incorporation of the company, list of directors and memorandum and association of articles.
2. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4. PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
5. 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.
6. PP to include detailed water balance calculations along with design details of effluent treatment plant
7. PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
8. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006 amended from time to time.
9. PP to carry out HAZOP and QRA and submit disaster management plan.
10. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
11. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
12. PP to submit structural stability certificate of existing building with respect to the proposed expansion.
13. PP to submit hazardous chemical handling protocol
14. PP to include water and carbon foot print monitoring in the EMP.
15. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.

The propsoed location of the project falls under critically polluted area as identified by the CPCB. SEAC-1 considered the proposal as per PM issued by MEF&CC dated 31.12.2019.

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

Now PP submitted EIA/EMP reprot for appraisal.

DECISION OF SEAC

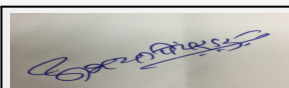
After deliberatiaons with the PP and their accredited consultant, SEAC-1 decided to recommend the proposla for prior Environmental Clearance subject to the following consitions.

Specific Conditions by SEAC:

- 1) PP to ensure compliance of recommendation of the HAZOP and Risk Assessment studies.
- 2) PP to prepare safety related training modules in Marathi and Hindi and impart training to all concern staff so as to increase its effectiveness.
- 4) PP to take utmost care to carry out hydrogenation process to avoid fire and explosion.
- 5) PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
- 6) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.

FINAL RECOMMENDATION

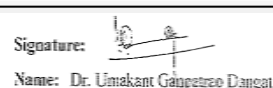
SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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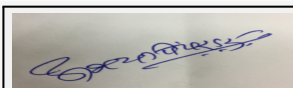
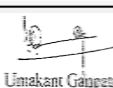
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Dr. Umakant Dangat (Chairman SEAC-I)

177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)**SEAC Meeting number: 177 Meeting Date February 5, 2020****Subject:** Environment Clearance for Stone Quarry mining at Village: Khairgaon Bk, Tal: Kelapur, Dist: Yavatmal.**Is a Violation Case:** No

1.Name of Project	Khairgaon Bk Stone Quarry at Village: Khairgaon Bk, Tal: Kelapur, Dist: Yavatmal.
2.Type of institution	Private
3.Name of Project Proponent	Shri. Aftab Arif Sheikh
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
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	No
8.Location of the project	Gut No. 43/1, Village: Khairgaon Bk, Tal: Kelapur, Dist: Yavatmal.
9.Taluka	Kelapur
10.Village	Khairgaon Bk,
Correspondence Name:	Shri. Aftab Arif Sheikh
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	At/ Post : Pandharkawada, Tal: Kelapur, Dist : Yavatmal
City:	Yavatmal.
11.Whether in Corporation / Municipal / other area	Grampanchayat Khairgaon Bk
12.IOD/IOA/Concession/Plan Approval Number	- IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. MA/MP/170 III/2018-19/669 Approved Built-up Area: 12000
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.)	1.20 Ha
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.): 12000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable Approved Non FSI area (sq. m.): Not applicable Date of Approval: 11-06-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5000000

22.Number of buildings & its configuration**Abhay Pimparkar (Secretary SEAC-I)****SEAC Meeting No: 177 Meeting Date: February 5, 2020****Page 66 of 91**Signature: 

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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	Basalt Stone	NA	5625	5625

32.Total Water Requirement

Dry season:	Source of water	Tanker water
	Fresh water (CMD):	5.30
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5.30 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable



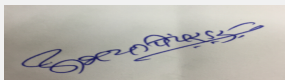
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Wet season:	Source of water	Not applicable								
	Fresh water (CMD):	Not applicable								
	Recycled water - Flushing (CMD):	Not applicable								
	Recycled water - Gardening (CMD):	Not applicable								
	Swimming pool make up (Cum):	Not applicable								
	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)			
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	-	0.3	0.3	-	0.03	0.03	-	0.27	0.27	
Gardening	-	2.50	2.50	-	2.50	2.50	-	-	-	
34.Rain Water Harvesting (RWH)										
	Level of the Ground water table:	60 Meter								
	Size and no of RWH tank(s) and Quantity:	Not applicable								
	Location of the RWH tank(s):	Not applicable								
	Quantity of recharge pits:	Not applicable								
	Size of recharge pits :	Not applicable								
	Budgetary allocation (Capital cost) :	Not applicable								
	Budgetary allocation (O & M cost) :	Not applicable								
	Details of UGT tanks if any :	Not applicable								

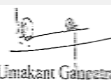


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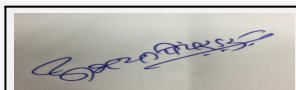
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35.Storm water drainage	Natural water drainage pattern:	Not applicable			
	Quantity of storm water:	Not applicable			
	Size of SWD:	Not applicable			
Sewage and Waste water	Sewage generation in KLD:	0.27 KLD			
	STP technology:	Septic tank followed by soak pit will be provided.			
	Capacity of STP (CMD):	Not applicable			
	Location & area of the STP:	Not applicable			
	Budgetary allocation (Capital cost):	100000			
	Budgetary allocation (O & M cost):	10000			
36.Solid waste Management					
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Overburden soil or Murrum will be used for plantation			
	Disposal of the construction waste debris:	Not applicable			
Waste generation in the operation Phase:	Dry waste:	Overburden will be backfilled in the mine pit.			
	Wet waste:	Not applicable			
	Hazardous waste:	Not applicable			
	Biomedical waste (If applicable):	Not applicable			
	STP Sludge (Dry sludge):	Not applicable			
	Others if any:	Not applicable			
Mode of Disposal of waste:	Dry waste:	Overburden will be backfilled in the mine pit.			
	Wet waste:	Not applicable			
	Hazardous waste:	Not applicable			
	Biomedical waste (If applicable):	Not applicable			
	STP Sludge (Dry sludge):	Not applicable			
	Others if any:	Not applicable			
Area requirement:	Location(s):	Not applicable			
	Area for the storage of waste & other material:	Not applicable			
	Area for machinery:	Not applicable			
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable			
	O & M cost:	Not applicable			
37.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

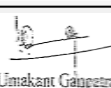


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1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send 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

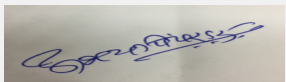
42.Mode of Transportation of fuel to site Not applicable

43.Green Belt Development

Total RG area :	0.335 Ha
No of trees to be cut :	No trees will be cut
Number of trees to be planted :	500
List of proposed native trees :	Attached below
Timeline for completion of plantation :	2 Year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	32	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	36	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	30	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought


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4	Pongia Pinnata	Karanj	32	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	28	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	30	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	27	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	30	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	30	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	35	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	32	A multipurpose tree
12	Tectona grandis	Sagvan	30	Teak is a large, long, deciduous tree
13	Leucaenaleucocephala	Subabhul	30	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	27	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	32	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	34	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	500	-
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	NA	NA	NA	
47.Energy				

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Not applicable
	DG set as Power back-up during construction phase	Not applicable
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

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
Air Pollution	NA	A thick green belt will be maintained around the lease area and on both sides of the haul roads
Noise pollution	NA	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
Solid Waste management	NA	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.
Sewage water	NA	Septic tank followed by soak pit will be provided.

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):

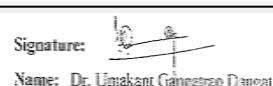
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA



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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	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	0.70	0.10			
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.30	0.05			
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05			
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	0.90	0.10			
5	Occupational Health	Personal Protective Equipment for workers	0.30	0.05			
6	Environmental Monitoring	Environmental Monitoring	-	0.50			
7	Total	-	2.50	0.85			
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
NA	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:		Not applicable				

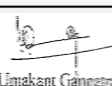


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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	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:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tadoba Andhari Tiger reserve 61.11 Km towards North East Direction
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	Pillar Latitude Longitude R.L(mt) BP-1 20°04'03.81"N 78° 33'34.28"E 273.25 BP-1 20°04'06.15"N 78° 33'35.53"E 275.22 BP-1 20°04'03.07"N 78° 33'40.16"E 277.39 BP-1 20°04'01.14"N 78° 33'39.23"E 276.46
	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	


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

Brief information of the project by SEAC

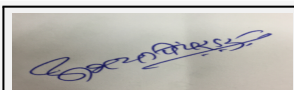
PP submitted their application for the grant for Environmental Clearance under category1 (a)B2 as per EIA Notification, 2006. The proposal was considered in the 170th meeting of SEAC-1 wherein the proposal was deferred with following remarks.

"During deliberations, it was observed that, District survey Report is not available. Also the copies of docuemnt submitted by PP was not legible.

In view of above, SEAC- decided to defer the proposal till PP submits copy of District Survey Report and compliance of following points."

Now PP submitted compliance.

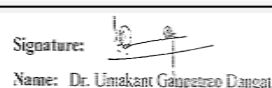
DECISION OF SEAC



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District Mining Officer, Yawatmal was absent for the meeting.

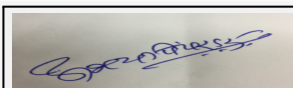
After deliberations with the PP, SEAC-1 decided to defer the proposal till PP submits copy of measurement plan approved by the District Superintendent of Land Records for survey No. 43/1 and compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit copy of the credible document in respect of record of right in support of the fact that the Proponent is the rightful owner/ lessee of the proposed mine area.
- 2) DMO shall submit Regional Mining Plan including list of existing operational quarries with their areas and production potential along with status of EC, list of existing quarries operational under temporary permit, list of old/abandoned/closed mines along with status of mine closure as per approved mining plan or guidelines, list of proposed quarries included in the District Survey Report along with their area and mining potential etc. DMO shall also submit details of quarries operating in the district without obtaining Environmental Clearance along with action taken report.
- 3) PP to submit certificate with respect to the cluster formation in the proposed quarry area through District Mining Office along with drawing of the proposed area.
- 4) PP to submit measurement map of the proposed quarry approved by the District Superintendent of Land Records.
- 5) PP to ensure that, no existing excavation is being carried out on proposed site without obtaining prior Environmental Clearance, if such excavation is observed on the site DMO shall carry out the investigation of the same to ascertain whether the excavation was carried out after obtaining requisite permissions from the competent Authority, If no, the appropriate legal action shall be initiated against the defaulter and submit detailed report through concern Collector/ Additional Collector.
- 6) All documents including approved mine plan, District Survey Report, EIA / EMP and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 7) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ topo sheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 8) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 9) Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 10) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 11) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 12) PP to ensure that, uniform information is given in the ownership documents, Form - 1M, Pre-feasibility Report , Consolidated Statement, Approved Mining Plan, District Survey Report and presentation etc.

FINAL RECOMMENDATION

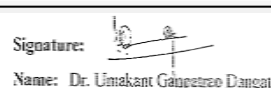
SEAC-I decided to defer the proposal. Kindly find SEAC decision above.



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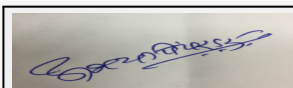
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**Dr. Umakant Dangat
(Chairman SEAC-I)**

177th Meeting of State Level Expert Appraisal Committee (SEAC - 1) (Day -1)**SEAC Meeting number: 177 Meeting Date February 5, 2020****Subject:** Environment Clearance for For Bulk Drugs & Bulk Drugs Intermediates manufacture by Indo Amines Ltd.**Is a Violation Case:** No

1.Name of Project	Indo Amines Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Changdeo Laxman Kadam
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Manufacture of Bulk Drugs & Bulk Drugs Intermediates under Schedule 5 (f) of EIA Notification 2006, Category - B (B1) project.
6.New project/expansion in existing project/modernization/diversification in existing project	New activity to be executed within a manufacturing plant purchased with existing buildings & allied infrastructure.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA, since this is a new activity.
8.Location of the project	Plot No - E-6, MIDC Mahad, Dist-Raigad, Maharashtra - 402302.
9.Taluka	Mahad
10.Village	Birwadi
Correspondence Name:	Mr.Changdevo Laxman Kadam
Room Number:	MIDC Plot No-W-44
Floor:	-
Building Name:	Indo Amines Ltd.
Road/Street Name:	MIDC Manpada Road
Locality:	MIDC Dombivali Phase -II
City:	Dombivali(E)
11.Whether in Corporation / Municipal / other area	Notified Mahad MIDC.
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: SPA/860/03 Approved Built-up Area: 7822.04
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.)	3000 Sq. m.
16.Deductions	--
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): -- b) Non FSI area (sq. m.): -- 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: 25-08-2003
19.Total ground coverage (m2)	--
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	--
21.Estimated cost of the project	130879000

22.Number of buildings & its configuration**Abhay Pimparkar (Secretary SEAC-I)****SEAC Meeting No: 177 Meeting Date: February 5, 2020****Page 77 of 91**

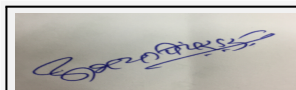
Signature:



Name: Dr. Umakant Gangotree 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	NA			
24.Number of expected residents / users	NA			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m			
29.Existing structure (s) if any	Manufacturing plant , associated utilities, raw material storage area and admin building are present on project plot.			
30.Details of the demolition with disposal (If applicable)	Minor Demolition will be carried out.			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Isosorbide-5-Mononitrate	--	5.0	5.0
2	Atenolol IP/BP/USP	--	20.0	20.0
3	Losartan Potassium IP/BP/USP	--	5.0	5.0
4	Furosemide (Frusemide) IP/BP/USP	--	5.0	5.0
5	Para Hydroxy Phenyl Acetamide (PHPA)	--	30.0	30.0
6	Bezafibrate IP/BP/USP	--	10.0	10.0
7	N-(4-Chlorobenzoyl)Tyramine	--	10.0	10.0
8	Ethyl Oleate IP/BP/USP	--	20.0	20.0
9	Strong Cetrimide Solution IP/BP	--	100.0	100.0
10	Cetrimide IP/BP/USP / Cetyl Trimethyl ammonium bromide	--	50.0	50.0
11	Para Methoxy Phenyl Acetic Acid(PMPA)	--	10.0	10.0
32.Total Water Requirement				

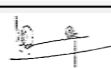


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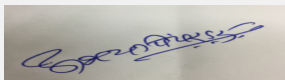
Name: Dr. Umakant Dangat

Dr. Umakant Dangat (Chairman SEAC-I)

Dry season:	Source of water	MIDC Mahad
	Fresh water (CMD):	1st Cycle - 67.0 CMD, 2nd Cycle onwards - 56.2 CMD
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1st Cycle - 67.0 CMD, 2nd Cycle onwards - 56.2 CMD
	Fire fighting - Underground water tank(CMD):	100 KL (Capacity of Tank)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	Source of water	MIDC Mahad & Harvested rain water
	Fresh water (CMD):	1st Cycle - 62.0 CMD, 2nd Cycle onwards - 43.2 CMD
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1st Cycle - 62.0 CMD, 2nd Cycle onwards - 43.2 CMD
	Fire fighting - Underground water tank(CMD):	100 KL (Capacity of Tank)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)		NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	--	3.0	3.0	--	0.45	0.45	--	2.55	2.55
Industrial Process	--	15.0	15.0	--	4.25	4.25	--	10.75	10.75
Cooling tower & thermopack	--	44.0	44.0	--	28.0	28.0	--	5.2	5.2 (10.8 Boiler Condensate Recovery)
Gardening	--	5.0	5.0	--	5.0	5.0	--	--	--



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Pre monsoon - 5.14 mbgl & Post monsoon - 2.78 mbgl for Mahad Taluka (As per GSDA, Govt. of Maharashtra and CGWB Govt. of India Report).
	Size and no of RWH tank(s) and Quantity:	1 No. overhead tank of Size - 5 m x 3m x 1.5 m.
	Location of the RWH tank(s):	Utility area
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	350000
	Budgetary allocation (O & M cost) :	75000
	Details of UGT tanks if any :	MIDC water storage tank of 30.536 m3 & Firefighting water storage tank of 100 m3 capacity.
35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	337.5 m3/hr.
	Size of SWD:	Width - 0.5 m, Depth - 0.75 m & Capacity of SWD - 5231.88 m3 .
Sewage and Waste water	Sewage generation in KLD:	2.55
	STP technology:	Domestic sewage will be sent to ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	There will not be any major construction activity however realignment & modifications of some existing structures will be involved by virtue of which wastes likes debris, cardboards, wood planks, metal rods, left over cement, sand, stone aggregates etc. will be generated.
	Disposal of the construction waste debris:	Inert materials will be sold to scrap dealers & debris left over cement, sand and stone aggregates will be used within plot for filling & leveling purpose.
Waste generation in the operation Phase:	Dry waste:	Waste such as papers, cardboards, stationery & office wastes from office .
	Wet waste:	NA
	Hazardous waste:	ETP Sludge - 1170.0 kg/M, Spent Carbon - 9480 kg/M, Distillation Residue - 14.593 MT/M, Empty drums, Carboys & Containers - 50 Nos./M, Spent Solvent - 1765 kg/M, Recovered Acetic Acid - 1.3 MT/M, Recovered Sodium Acetate - 2.75 MT/M, Recovered Sodium Bromide - 1.20 MT/M, Recovered Sodium Hydrosulfide - 25.99 MT/M, Recovered Hydrochloric Acid - 0.61 MT/M, Recovered 2-Butyl-4-Chloro-5-Imidazolecarboxaldehyde - 0.1 MT/M, Recovered Soda Ash - 2.5 MT/M, Recovered Glycerol - 1.7 MT/M.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA

Mode of Disposal of waste:	Dry waste:	Will be sold to recycler or disposed through local administration waste disposal system
	Wet waste:	NA
	Hazardous waste:	Spent Solvent, Distillation residue, Empty drums, Carboys & Containers Recovered Acetic Acid, Recovered Sodium Acetate, Recovered Sodium Bromide, Recovered Sodium Hydrosulfide, Recovered Hydrochloric Acid, Recovered 2-Butyl-4-Chloro-5-Imidazolecarboxaldehyde, Recovered Soda Ash & Recovered Glycerol will be sold to MPCB Authorized vendors or disposed to CHWTSDF. ETP Sludge will be disposed to CHWTSDF.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near ETP & Sludge tank.
	Area for the storage of waste & other material:	3.9 sq. m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	5.9 - 6.5	7.1 - 8.5	5.5 - 9.0
2	TDS	mg/l	1800 - 2000	165.0	2100.0
3	BOD	mg/l	400 - 800	27.0	100.0
4	COD	mg/l	7600 - 8000	125	250.0
5	O & G	mg/l	15.2	7.3	10.0
6	TSS	mg/l	500 - 800	BDL	100.0

Amount of effluent generation (CMD):

18.5

Capacity of the ETP:

20 CMD

Amount of treated effluent recycled :

Boiler Condensate recovery - 10.8 CMD

Amount of water sent to the CETP:

16.28 CMD

Membership of CETP (if require):

Company is having membership of MMA - CETP, Mahad.

Note on ETP technology to be used

LCOD-LTDS & HCOD-LTDS effluent: 18.5 CMD LCOD-LTDS & HCOD-LTDS effluent comprising of manufacturing process, boiler, cooling tower & scrubber blow downs and domestic activities will be subjected to full-fledged ETP comprising of primary, secondary & tertiary treatment scheme & 16.28 CMD treated effluent will be disposed to MMA CETP, Mahad.

Disposal of the ETP sludge

ETP sludge will be disposed to Mumbai Waste Management Ltd. - CHWTSDF, Talaja.

38. Hazardous Waste Details

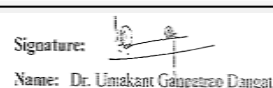
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.2	Kg/M	--	1170	1170	CHWTSDF, Talaja
2	Spent Carbon	28.3	Kg/M	--	9480	9480	CHWTSDF, Talaja



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3	Distillation Residue	20.3	MT/M	--	14.593	14.593	Sale to MPCB Authorized Vendor/ CHWTSDF, Taloja
4	Empty drums, Carboys, Containers	33.1	Nos/M	--	50.0	50.0	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
5	Spent solvent	28.6	Kg/M	--	1765	1765	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
6	Recovered Acetic Acid	28.1	MT/M	--	1.3	1.3	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
7	Recovered Sodium Acetate	28.1	MT/M	--	2.75	2.75	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
8	Recovered Sodium Bromide	28.1	MT/M	--	1.20	1.20	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
9	Recovered Sodium Hydrosulfide	28.1	MT/M	--	25.99	25.99	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
10	Recovered Hydrochloric Acid	28.1	MT/M	--	0.61	0.61	Sale MPCB Authorized Vendor/CHWTSDF,
11	Recovered 2-Butyl-4-Chloro-5- Imidazolecarboxaldehyde	28.1	MT/M	--	0.1	0.1	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
12	Recovered Soda Ash	28.1	MT/M	--	2.5	2.5	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja
13	Recovered Glycerol	28.1	MT/M	--	1.7	1.7	Sale to MPCB Authorized Vendor/CHWTSDF, Taloja

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	0.6 & 1.0 TPH steam boilers	Furnace Oil - 2200 l/day	1	30.0	0.6	90
2	4 & 10 lakhkiloCal./hr. thermic fluid heaters	Furnace Oil - 1600 l/day	2	30.0	0.6	110
3	250 & 500 kVA Diesel Generator	High Speed Diesel - 90 l/hr. (Fuel consumption will depend on hours of power failure)	3	4.0	0.45	185
4	Process plant - 3 Alkali scrubbers	--	4	5 (above roof)	0.3	--
5	Process plant - 2 H ₂ S scrubbers	--	5	5 (above roof)	0.3	--
6	Process plant - Ammonia vapors scrubbers	--	6	5 (above roof)	0.3	--



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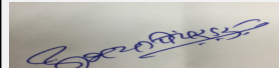
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40.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	--	3.8 MT/day	3.8 MT/day
2	High Speed Diesel	--	90 l/hr. (Fuel consumption will depend on hours of power failure)	90 l/hr. (Fuel consumption will depend on hours of power failure)
41.Source of Fuel		Furnace Oil : Local Supplier High speed diesel: Local HP vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	Total RG area :	1002 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	149
	List of proposed native trees :	Cassia fistula, Bombax ceiba, Asltonia shcolaris, Macaranga peltata, Schleicheria oleosa, Microcos paniculata, Terminalia elliptica, Terminalia paniculata, Terminalia bellirica, Cordia dichotoma, Helicteres isora, Holoptelea integrifolia, Butea monosperma, Oroxylum indicum, Erythrina suberosa, Azadirachta indica, Trema orientalis, Pongamia pinnata, Neolamarckia cadamba, Pterospermum acerifolium, Dalbergia sissoo, Milligtonia hortensis.
	Timeline for completion of plantation :	Within 1 year after grant of environmental clearance

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	Cassia fistula	Bahava	06	Native tree of forest tracts of Sahyadri ranges having flowers attracting bees and butterflies
2	Bombax ceiba	Sawar	06	A native deciduous tree with fragrant flowers attracting large number of birds & insects
3	Asltonia shcolaris	Saptaparni	06	A native evergreen tree with fragrant flowers & leaves having comparatively higher dust settling index
4	Macaranga peltata	Chandwar	06	A native tree found in abundance across the plains of Sahyadri ranges
5	Schleicheria oleosa	Kusum	06	A native deciduous trees of forest tracts of Sahyadri ranges
6	Microcos paniculata	Shirali	06	A native evergreen medium sized tree of forest tracts of Sahyadri ranges
7	Terminalia elliptica	Ain	06	A native evergreen tree of forest tracts of Sahyadri ranges
8	Terminalia paniculata	Kindal	06	A native deciduous tree of forest tracts of Sahyadri ranges
9	Terminalia bellirica	Baheda	06	A native deciduous tree of forest tracts of Sahyadri ranges



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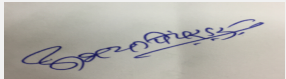
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10	Cordia dichotoma	Shelu	06	A native deciduous tree of forest tracts of Sahyadri ranges attracting large number of insects
11	Helicteres isora	Murudsheng	06	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
12	Holoptelea integrifolia	Ainsadada	06	A native deciduous tree of forest tracts of Sahyadri ranges
13	Butea monosperma	Palash	06	A native brilliantly flowering tree abundant the Palghar District visited by large number of bird
14	Oroxylum indicum	Tetu	06	A native ornamental tree
15	Erythrina suberosa	Pangara	06	A native deciduous medium sized tree of forest tracts of Sahyadri ranges visited by large number of birds
16	Azadirachta indica	Kadulimb	23	A native evergreen tree capable of surviving in comparatively polluted environs
17	Dalbergia sissoo	Shisham	06	A native evergreen tree attracting large number of insects
18	Trema orientalis	Ghol	06	A native deciduous medium sized tree with hairy leaves having comparatively higher dust settling index
19	Pongamia pinnata	Karanj	06	A native deciduous tree well suited to intense heat and sunlight and drought tolerant.
20	Neolamarckia cadamba	Kadamba	06	A native evergreen tree with tremendous blooms attracting large number of insects
21	Pterospermum acerifolium	Karnikar	06	A native evergreen tree with large & hairy leaves having comparatively high dust settling index generally used for ornamental plantation
22	Millingtonia hortensis	Kaval nimb	06	A native deciduous tree attracting large number of insects.
45.Total quantity of plants on ground				

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

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

47.Energy


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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	445 KW
	During Operation phase (Demand load):	440 kVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	1 x 250 kVA & 1 x 500 kVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:

20 Solar street lights will be installed within project premises.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Street Light	20

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Steam boilers & Thermic fluid heaters	--	Common stack of 30 m height for steam boilers & Common stack of 30 m height for thermic fluid heaters as per CPCB guidelines.
Manufacturing process	--	Provision of 3 nos. alkali scrubbers, 2 nos. of H ₂ S scrubbers & 2 nos. of NH ₃ scrubbers for process reactors.
Waste water generated from industrial activities	ETP of 20 CMD capacity comprising of Primary, Secondary and Tertiary Treatment.	--

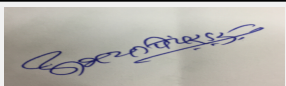
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5.5 Lakh
	O & M cost:	0.4 Lakh

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air	Installation of 3 nos. alkali scrubbers and, 2 nos. of H ₂ S scrubbers, 2 nos. of NH ₃ scrubbers for process reactors. Provision of common stack of 30.0 m height for steam boilers & common stack of 30.0 m height for thermic fluid heaters	50.0	1.5
2	Water	Operation & maintenance of ETP of 20 CMD capacity comprising of primary, secondary and tertiary treatment.	--	10.0
3	Noise	Development of acoustic enclosures and installation of shock absorbers & vibration absorbing pads	2.5	--
4	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers.	5.5	1.0
5	Green Belt	Green belt development & maintenance.	3.5	2.1
6	Hazardous & Non-hazardous (Solid) waste Management	Purchase of additional containers/bags for storage of solid waste, concrete paving of hazardous waste storage area	1.5	2.5
7	Rain water harvesting	Rain water harvesting tank of 22.5 m ³ & setting up of RWH system.	3.5	0.75
8	Energy conservation	Installation of solar lighting within project premises	5.5	0.4
9	Environment Monitoring	Monitoring of environmental parameters inclusive of Carbon & Water foot print monitoring	--	8.5

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Acetic acid	Liquid	Enclosed Shed	200 Kg Drum	0.4	0.49	Local	By Road
Acetic anhydride	Liquid	Enclosed Shed	500 Kg IBC	1.0	4.75	Local	By Road
Activated carbon	Solid	Enclosed Shed	50 Kg Bags	0.1	5.702	Local	By Road
Acetone	Liquid	Enclosed Shed	ST	11.5	16.66	Local	By Road
Ammonia	Gas	Enclosed Shed	Cylinder	1.8	17.1242	Local	By Road
Boric acid	Solid	Enclosed Shed	50 Kg Bags	0.05	0.027	Local	By Road
2-Butyl-4-Chloro-5-Imidazolecarboxaldehyde (BCFI)	Solid	Enclosed Shed	50 Kg Bags	0.5	2.285	Local	By Road
Cyclohexane	Liquid	Enclosed Shed	200 Kg Drums	0.2	0.73	Local	By Road
Chlorosulfonic acid	Liquid	Enclosed Shed	500 Kg IBC	1.0	2.3	Local	By Road
Cyclopropyl amine	Liquid	Enclosed Shed	200 Kg Drums	0.4	0.84	Local	By Road
4-Chlorobenzoic acid	Solid	Enclosed Shed	100 kg Bags	0.6	6.3	Local	By Road
Furfuryl Amine	Liquid	Enclosed Shed	200 Kg Drums	0.6	1.625	Local	By Road
Hyflow	Solid	Enclosed Shed	50 Kg Bags	0.15	1.522	Local	By Road
Hydros	Solid	Enclosed Shed	50 Kg Drum	0.15	0.42	Local	By Road
Hydrochloric acid	Liquid	Enclosed Shed	ST	8.5	9.62	Local	By Road
Hydrogen bromide	Liquid	Enclosed Shed	500 Kg IBC	1.5	5.657	Local	By Road
Hydrogen	Gas	Enclosed Shed	Cylinders	25 Nos.	0.023	Local	By Road
Isopropyl alcohol (IPA)	Liquid	Enclosed Shed	ST	5.5	183.18	Local	By Road
Isosorbide	Solid	Enclosed Shed	50 Kg Bags	1.5	6.45	Local	By Road
Tetradecyl dimethyl amine	Liquid	Enclosed Shed	500 Kg IBC	5	64.68	Local	By Road
Methyl benzyl amine	Liquid	Enclosed Shed	500 Kg IBC	3	28.46	Local	By Road
Dichloromethane (MDC)	Liquid	Enclosed Shed	500 Kg IBC	3	28.43	Local	By Road
Toluene	Liquid	Enclosed Shed	ST	12.5	92.28	Local	By Road
Raney Nickel Catalyst (RNC)	Solid	Enclosed Shed	50 Kg Bags	0.05	0.083	Local	By Road
Potassium hydroxide	Solid	Enclosed Shed	100 Kg Bags	0.2	0.645	Local	By Road
1 - Para hydroxy phenyl acetamide (PHAP)	Solid	Enclosed Shed	50 Kg Bags	2	44.46	Local	By Road
Pure N-(4-Chlorobenzoyl)-Tyramine	Solid	Enclosed Shed	100 Kg Bags	0.8	8.069	Local	By Road
4'-Bromomethyl-2-cyanobipheny (OTBB)	Solid	Enclosed Shed	50 Kg Bags	0.5	3.33	Local	By Road
Sulphuric acid	Liquid	Enclosed Shed	500 Kg IBC	1.0	0.96	Local	By Road
Soda ash	Solid	Enclosed Shed	60 Kg Bags	0.3	1.3	Local	By Road
Sodium hydroxide	Solid	Enclosed Shed	50 Kg Bags	1.5	3.62	Local	By Road
Sodium acetate	Solid	Enclosed Shed	100 Kg Bags	0.1	0.43	Local	By Road



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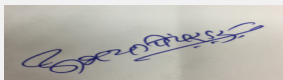
Methyl-2-bromo-2-methyl propanoate	Liquid	Enclosed Shed	500 Kg IBC	0.5	5.29	Local	By Road
Para hydroxy phenyl acetamide	Solid	Enclosed Shed	50 Kg Bags	1.2	11.34	Local	By Road
Mono Isopropyl Amine (MIPA)	Liquid	Enclosed Shed	ST	4.5	62.21	Local	By Road
Methanol	Liquid	Enclosed Shed	ST	11.5	56.7	Local	By Road
Methyl bromide	Liquid	Enclosed Shed	Cylinder 600 Kg	1.8	14.11	Local	By Road
Methyl Isobutyl Ketone (MIBK)	Liquid	Enclosed Shed	500 Kg IBC	2.5	25	Local	By Road
Sodium azide	Solid	Enclosed Shed	50kg Bags	0.05	0.76	Local	By Road
2,4-dichlorobenzoic acid	Solid	Enclosed Shed	100 Kg Bags	0.4	3.76	Local	By Road
Sulfur	Solid	Enclosed Shed	50 kg Bags	1.5	14.55	Local	By Road
Triethyl amine hydrochloride (TEA HCl)	Solid	Enclosed Shed	100 Kg Bags	0.5	1.61	Local	By Road
Tyramine	Solid	Enclosed Shed	500 Kg IBC	1	5.52	Local	By Road
Oleic acid	Liquid	Enclosed Shed	500 Kg IBC	4	24	Local	By Road
O-Xylene	Liquid	Enclosed Shed	200 Kg Drums	0.4	2.47	Local	By Road
4 methoxy acetophenone (4-MAP)	Solid	Enclosed Shed	50 Kg Bags	3.0	13.287	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	65.0 sq. m.
	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):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA



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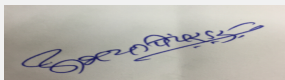


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	NA
	Other Relevant Informations	1) Water Balance: Cooling Tower & Boiler consumption = 44 CMD, Losses = 28 CMD, Effluent (Blow down) = 5.2 CMD, thus $44 - 28 - 5.2 = 10.8$ CMD is boiler condensate recovery. 2) Dry season water requirement: 1st cycle = 67.0 CMD, 2nd cycle onwards boiler condensate recovery = 10.8 CMD, thus 2nd cycle onwards water requirement = $67.0 - 10.8 = 56.2$ CMD 3) Wet season water requirement: 1st cycle = $67.0 - 5.0$ CMD = 62.0 CMD (watering for green belt will be not required during wet season). Boiler condensate recovery = 10.8 CMD, Harvested rain water = 8.0 CMD, Total quantity of recycle = $10.8 + 8.0 = 18.8$ CMD, thus 2nd cycle onward water requirement = $62.0 - 18.8 = 43.2$ CMD. Note: There will not be any major construction activity however realignment & modifications of some existing structures will be involved.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP proposes 20 KLD capacity Effluent Treatment plant. The treated effluent will be sent to CETP after obtaining requisite permission. In absence of such permission PP to provide Zero Liquid Discharge Effluent Treatment Plant.
Drainage pattern of the project	PP considered the contour level in designing of the storm water drains.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits
Solid Waste Management	PP committed to dispose the hazardous waste at Common Hazardous Waste Treatment, Storage, and Disposal Facility and sale to Authorized vendors. Details are given at Sr. No. 38 of the Consolidated Statement.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 440 kVA, which will be supplied by MSEDCL. PP also proposes two DG set with capacity of 250 kVA & 500 kVA with HSD as a fuel
Traffic circulation system and risk assessment	PP has indicated in the lay out plan that internal roads will be of six meter width along with nine meters of turning radius for smooth circulation of traffic



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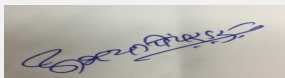


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Landscape Plan	PP proposes 33% green belt within the premises.
Disaster management system and risk assessment	PP carried out HAZOP and Risk Assessment and prepared DMP.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.72.00 Lakh as capital cost and Rs. 26.75 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	

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

The proposal was considered in the 164th & 166th meeting of SEAC-1 held on 10.04.2019 & 27.05.2019 where in PP requested to postpone the case. ToR was granted to the PP in 167th meeting of SEAC-1 held on 12.07.2019 for the preparation of EIA/EMP report as per standard ToR published by MoEF&CC and additional points as mentioned below,

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2. PP to submit layout plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
4. PP to submit an undertaking for not violating any requirements of EIA Notification, 2006 amended from time to time.
5. PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.
6. 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.
7. PP to include detailed water balance calculations along with design details of effluent treatment plant and copy of CETP permission to discharge treated effluent to the CETP in the EIA report.
8. PP to prepare the Legal Register with respect to compliance of various Acts, Rules and Regulations applicable to the manufacturing activities.
9. PP to carry out HAZOP and QRA and submit disaster management plan.
10. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.
11. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.
12. PP to submit structural stability certificate of existing building with respect to the proposed expansion.
13. PP to submit hazardous chemical handling protocol
14. PP to include water and carbon foot print monitoring in the EMP.
15. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.
16. PP to ensure uniformity in the information submitted in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

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

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

The validity of the TOR will be for three years as per OM issued by MoEF and CC on 29.08.2017.

PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.

PP to submit their plan to utilize CER (Corporate Environment Responsibility) along with timelines as per OM issued by MoEF&CC dated 01.05.2018.

Now PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

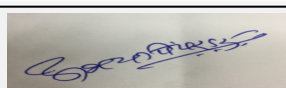
After deliberations with the PP and their accredited consultant, SEAC-1 decided to recommend the proposal for prior Environmental Clearance subject to the following conditions.

Specific Conditions by SEAC:

- 1) PP to prepare safety related training modules in Marathi and Hindi and impart training to the concern staff so as to increase its effectiveness.
- 2) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightening arrestor.
- 3) PP to include water and carbon foot print monitoring in their management plan.
- 4) PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

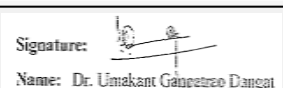
SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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