176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Proposed Expansion of Existing Perfumery Chemicals Manufacturing Unit

Is a Violation Case: Yes

1.Name of Project	M/s. DRT- Anthea Aroma Chemicals Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Latesh Mirkar
4.Name of Consultant	Equinox Environments (India) Pvt. Ltd.
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion of Perfumery Chemicals Manufacturing Unit.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance from Government of Maharashtra dated 30.01.2010
8.Location of the project	Plot No.: 51 – A/1, Roth Budruk, Roha MIDC, Tal.: Roha, Dist: Raigad, Maharashtra.
9.Taluka	Roha
10.Village	Roth Budruk
Correspondence Name:	Mr. Latesh Mirkar
Room Number:	Plot No.: 51 – A/1
Floor:	NA
Building Name:	NA
Road/Street Name:	Roth Budruk
Locality:	Roha MIDC
City:	Roha
11.Whether in Corporation / Municipal / other area	Notified Industrial Area i.e. Roha MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 17905.56
13.Note on the initiated work (If applicable)	Expanded the production beyond the limit of EC. Production of one product (Dihydromyrcenol) has exceeded consented quantity and EC quantity by 100 MT/Month. Though one product quantity is exceeded, the total production of three product is well below the consented quantity and EC quantity.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Existing unit of DRT-Anthea Aroma Chemicals Pvt. Ltd. is located in notified Industrial Area i.e. MIDC Roha
15.Total Plot Area (sq. m.)	26,205 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.): 1470.88
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: 30-08-2007
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	200000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
2	NA	NA	NA

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
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	Anthamber	300	0.0	300
2	Dihydromyrcenol	200	100	300
3	Methyl Pentenone	200	0.0	200
4	High Boiler (By-product)	170	35	205
5	Tops (By-product)	0.0	180	180
6	65% Phosphoric Acid (By-product)	0.0	120	120
7	35% Ammonium Sulphate Solution ((NH4)2SO4 Solution) (By-product) OR	600 KL/M	0.0	600 KL/M
8	Calcium Sulphate (By-product)	0.0	300 KL/M	300 KL/M

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Water supply scheme
	Fresh water (CMD):	470
	Recycled water - Flushing (CMD):	0.0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	470
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC Water supply scheme
	Fresh water (CMD):	470
	Recycled water - Flushing (CMD):	0.0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	470
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	20	5	25	2	3	5	18	2	20
Industrial Process	60	50	120	15	-20	5	45	70	115
Cooling tower & thermopack	250	65	315	235	45	280	15	20	35
Gardening	20	0.0	20	20	0.0	20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	The details of rainwater harvesting will be incorporated in EIA report.
	Size and no of RWH tank(s) and Quantity:	The details of rainwater harvesting will be incorporated in EIA report.
	Location of the RWH tank(s):	The details of rainwater harvesting will be incorporated in EIA report.
	Quantity of recharge pits:	The details of rainwater harvesting will be incorporated in EIA report.
	Size of recharge pits :	The details of rainwater harvesting will be incorporated in EIA report.
	Budgetary allocation (Capital cost) :	The details of rainwater harvesting will be incorporated in EIA report.
	Budgetary allocation (O & M cost) :	The details of rainwater harvesting will be incorporated in EIA report.
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	The details of storm water drainage will be incorporated in EIA report.
	Quantity of storm water:	The details of storm water drainage will be incorporated in EIA report.
	Size of SWD:	The details of storm water drainage will be incorporated in EIA report.
Sewage and Waste water	**Sewage generation in KLD:**	20
	STP technology:	There is no provision of STP at site. Under existing unit, domestic effluent is treated in septic tank followed by soak pits. After expansion, domestic effluent shall be forwarded to upgraded ETP along with trade effluent and treated effluent shall be forwarded to CETP
	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:**	NA
	Disposal of the construction waste debris:	No major construction would be done since most of infrastructure would be used from existing unit. Only few equipments & machineries as required for expansion activities will be installed.
Waste generation in the operation Phase:	**Dry waste:**	Calcium Sulphate
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	For sale to authorized party
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Plot No.: 51 – A/1, Roth Budruk, Roha MIDC, Tal.: Roha, Dist: Raigad, Maharashtra.
	Area for the storage of waste & other material:	The storage details of waste will be incorporated in EIA report.
	Area for machinery:	The storage details of waste will be incorporated in EIA report.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The storage details of waste will be incorporated in EIA report.
	O & M cost:	The storage details of waste will be incorporated in EIA report.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	COD	mg/lit	3700	195	250
2	BOD	mg/lit	1050	95	100

Amount of effluent generation (CMD):	170
Capacity of the ETP:	220
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	160
Membership of CETP (if require):	yes
Note on ETP technology to be used	The entire effluent would be treated in Effluent Treatment Plant (ETP) provided at industrial site and forwarded to CETP for further treatment & disposal. The ETP shall contemplate of various unit operations and processes such as Equalization cum Holding Tank, Oil & Grease Separation Tank, Neutralization Tank, Primary Settling Tank, Sludge Sump, Bioreactor-1 & 2, Secondary Settling Tank, Chemical Oxidation Tank, Pressure Sand Filters/Activated Carbon Filter, Gravity Discharge Tank.
Disposal of the ETP sludge	ETP Sludge is Forwarded to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Lube Oil	5.1	MT/M	0.05	0.1	0.15	Forwarded to CHWTSDF
2	ETP Sludge	35.5	MT/M	8	450	458	Forwarded to CHWTSDF
3	Boiler Soot (Spent Carbon)	28.3	MT/M	0..0	1.2	1.2	Forwarded to CHWTSDF
4	Discarded containers / Barrels / Liners	33.1	MT/M	0.0	0.5	0.5	Forwarded to CHWTSDF
5	Waste Oil	5.2	MT/M	0.0	0.1	0.1	Forwarded to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Steam boilers (4TPH-2 Nos.)	FO-252 kg/hr for each	1	30.5	0.75	250
2	Thermic Fluid Boiler (15 lac kcal/hr -2 Nos)	FO-178 kg/hr for each	1	30.5	0.75	250
3	D.G.Sets (1250 KVA -2 Nos.)	Diesel-380 lit for each	1	10 ARL	0.3	---
4	Propsed Boiler-4TPH and TFH-15 lac kcal/hr	FO- 430 Kg /hr	1	30.5	0.8	250

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	430 kg/hr	430kg/hr	860kg/hr
2	Diesel	380 lit	0.0	380 lit
41.Source of Fuel		Indian Oil Corporation Ltd.		
42.Mode of Transportation of fuel to site		Tankers by Road		

43.Green Belt Development	**Total RG area :**	The green belt developed in existing premises covers an area of about 3500 Sq.M. i.e. 13% of total plot area
	No of trees to be cut :	NA
	Number of trees to be planted :	372 nos. of trees have been planted.
	List of proposed native trees :	Proposed Green Belt Area - 5241.65 Sq.M (0.52 Ha) i.e. 20% of Total plot area.The list of trees to be planted under expansion will be incorporated in EIA report.
	Timeline for completion of plantation :	The detail plan of green belt development and implementation will be incorporated in EIA report.

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	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.	The list of trees to be planted under expansion will be incorporated in EIA report.
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)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	3.5 MW
	During Operation phase (Demand load):	3.5 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1250 KVA (2 Nos.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

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
Boiler (4 TPH - 2 Nos.) - Existing	Stack of 30.5 M common	NA
Boiler (4 TPH) & Thermic Fluid Heater (15 Lac KCal/Hr. - 1 No.)	NA	Stack of 30.5 M (Common)
Thermic Fluid Heater (15 Lac KCal/Hr. - 2 Nos.)	Stack of 30.5 M common	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	The Capital Cost will be incorporated in EIA report.
	O & M cost:	O&M Cost will be incorporated in EIA report.

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	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.	The Capital Cost and O&M will be incorporated in EIA report.

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
Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report	Storage of chemicals will be incorporated at the time of EIA report

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The details of traffic management plan will be incorporated at the time of EIA report submission

Parking details:	**Number and area of basement:**	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number and area of podia:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Total Parking area:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Area per car:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Area per car:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number of 2-Wheelers as approved by competent authority:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Number of 4-Wheelers as approved by competent authority:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Public Transport:	The details of traffic management plan will be incorporated at the time of EIA report submission
	Width of all Internal roads (m):	The details of traffic management plan will be incorporated at the time of EIA report submission
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Dhatav village of propose ESA of Western Ghat is located 1.0 km from project site.
	Category as per schedule of EIA Notification sheet	As per the provision of "EIA Notification No. S. O. 1533 (E)" dated 14.09.2006; amended on June 25, 2014; the proposed expansion project comes under Category – B. But in light of Draft notification of the Eco-sensitive Areas for Western Ghat dated on 13th March, 2014, 4th September, 2015 and 27th February, 2017, project Category changes from 'B' to 'A'.
	Court cases pending if any	No any court case is pending.
	Other Relevant Informations	DRT - Anthea Aroma Chemicals Pvt. Ltd.had submitted the proposal under violation as per MoEFCC Notification dated 14.03.2017 on MoEFCC portal on 19.08.2017. The proposal number on MoEFCC portal was IA/MH/IND2/67555/2017 which was well before deadline of 13th September 2017.But as per the directions of Hon'ble Madras High court vide order dated 13.10.2017, our proposal is forwarded to SEAC/SEIAA, Department of Environment. Now, we are once again as per direction of Department of Environment are submitting an application on MPCB portal for grant of Environment Clearance under violation. Kindly, consider the proposal as per queue of submission on MoEFCC portal.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 of TOR under category 5(f)B1 as per EIA Notification, 2006.

The proposal was considered in the 153rd meeting of SEAC-1 held on 01.07.2018 wherein PP requested to postpone the case.

DECISION OF SEAC

PP requsted to postpone the case.

Hence, Deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Facility by M/s Supriya Life Science limited at Plot No. A-5/1, A-5/2, A-5/3, A-6/1, A-6/3, A-6/4 and S. No. 169/10 MIDC Lote Parshuram, Tal. Khed, Dist. Ratnagiri, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed expansion of Synthetic Organic Chemicals Manufacturing Facility by M/s Supriya Life Science limited at Plot No. A-5/1, A-5/2, A-5/3, A-6/1, A-6/3, A-6/4 and S. No. 169/10 MIDC Lote Parshuram, Tal. Khed, Dist. Ratnagiri
2.Type of institution	Private
3.Name of Project Proponent	M/s SupriyaLifescience 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	Expansion will be within the existing plot
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot NoA-5/1, A-5/2, A-5/3, A-6/1, A-6/3, A-6/4 and S. No. 169/10 MIDC Lote Parshuram, Taluka Khed, Dist. Ratnagiri, Maharashtra
9.Taluka	Khed
10.Village	Peer Lote
Correspondence Name:	Mr. Satish Waman Wagh
Room Number:	207/208, Udyog Bhavan
Floor:	First Floor
Building Name:	Udhyog Bhawan
Road/Street Name:	Sonawala Lane
Locality:	Goregaon East
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Mumbai
12.IOD/IOA/Concession/Plan Approval Number	DE/CPN/DB/704/2009 dt. 30.04.2019, DE/CPN/DB/736/2011 dt. 05.04.2011 DB/CPN/LOTE/643/2007 dt. 07.06.2007 DB/LOTE/B-75532/2014 dt. 16.06.2014
	IOD/IOA/Concession/Plan Approval Number: MIDC approved plan IOD/IOA/Concession/Plan Approval Number: ---------- DE/CPN/DB/704/2009 dt. 30.04.2019, DE/CPN/DB/736/2011 dt. 05.04.2011 DB/CPN/LOTE/643/2007 dt. 07.06.2007 DB/LOTE/B-75532/2014 dt. 16.06.2014
	Approved Built-up Area: 10895
13.Note on the initiated work (If applicable)	Not applicable. Existing structures will be used for proposed expansion project.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC Possession Receipts, Kharedi Khat No. KDR NO. 785/2019
15.Total Plot Area (sq. m.)	23984
16.Deductions	Not applicable
17.Net Plot area	23984
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 7235
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 23984
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: 06-08-2019
19.Total ground coverage (m2)	'D block 8,40 sq. m.+ Warehouse 1,4,50 Sq. mtr

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	For 'D'Block 3.5.%, & for warehouse 6.04%
21.Estimated cost of the project	400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	D Block Building	Ground floor + 2 floors	18
2	Intermediate filtration & Drying	Ground floor	0
3	Powder Processing area (Cleanroom Facility)	Ground floor	0
4	Intermediate Production area, Charcoal Preparation & filtration area	First Floor, second floor	6
5	Crystallization area (Cleanroom Facility)	First Floor, second floor	6
6	Hydrogenation Area	First Floor	6
7	Intermediate Production & Dissolution area	Second Floor	12
8	Day tanks & Utility service area	Terrace Floor	18

23.Number of tenants and shops	NA
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)	approx. 2 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meter
29.Existing structure (s) if any	Existing structure-Production bldg., Warehouse & Admin bldg., QC lab, ETP plant, Utility
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	Riboflavin 5 – Phosphate sodium (BP/USP)	12 (!-11)	5	5
2	Pheniramine Maleate (BP)	0	5	5

3	Ractopamine hydrochloride	0	0.5	0.5
4	Topiranate	0	--	--
5	Nocoramdil	0	0.3	0.3
6	Esomeprazole Magnesium dehydrate	0	--	--
7	Olenzapine	0	--	--
8	Cetrizinedihydrochloride	0	5	5
9	Tramadole hydrochloride	0	10	10
10	Ketamine hydrochloride	0	5	5
11	Salbutamol sulphate	0	5	5
12	Mepyramine maleate (BP/USP)	As per Order	2	2
13	ChloroPheniramine maleate(BP)	As per Order	35	35
14	Brompheniramine Maleate	0	0.5	0.5
15	Dex- Chloropheniramine Maleate	0	1	1
16	Diphenhydramine hydrochloride	0	20	20
17	Leo-Cetrizine	0	0.25	0.25
18	Theobromine	0	2	2
19	Pentoxyphyline	0	10	10
20	Levo Salbutamol Sulphate	0	0.5	0.5
21	S-Ketamine Hydrochloride	0	0.5	0.5
22	BisoprololFumarate	0	0.5	0.5
23	Valsartan	0	10	10
24	Carbamazepine	0	1	1
25	Quinine Sulphate	0	1	1
26	Lumefantrine	0	3	3
27	Artemether	0	2	2
28	Allopurinol	0	2	2
29	Bupropion Hydrochloride	0	5	5
30	Methyl Cobalamine	0	0.5	0.5
31	HydroxoCobalamine and its salts	0	0.01	0.01
32	Benfotiamine	0	10	10
33	Dextromethorphan hydrobromide	0	4	4
34	Phenylephrine Hydrochloride	0	3	3
35	TenofovirDisoproxilfumarate	0	10	10
36	Dex- Brompheniramine Maleate	0	0.1	0.1

32.Total Water Requirement

Dry season:	**Source of water**	505
	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) :	505
	Fire fighting - Underground water tank(CMD):	216 Kl Tank capacity is provided
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	485
	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) :	485
	Fire fighting - Underground water tank(CMD):	216 Kl Tank capacity is provided
	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	3	57	60	1.4	8.6	10	1.6	48.4	50
Industrial Process	5	210	215	2	7	9	3	203	206
Cooling tower & thermopack	60	150	210	60	150	210	0	0	0
Gardening	15	5	20	15	5	20	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Industry Premises
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Not Applicable
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	2000 lit/second
	Size of SWD:	350 mm X 500 mm
Sewage and Waste water	**Sewage generation in KLD:**	50
	STP technology:	Sewage will be send to ETP. No STP required.
	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:**	Minor quantity of construction debris will be generating during project expansion.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per Construction and Demolition Rules, 2016.
Waste generation in the operation Phase:	**Dry waste:**	Non hazards Waste Qty Cartoon boxes and paper scrap, waste packing materials. 2 TPY Polyethylene bags scrap 18 TPY MS / Metal scrap material 6 TPY Wooden scrap 3 TPY Fly Ash 360 TPY
	Wet waste:	Not Applicable
	Hazardous waste:	No Type of Waste Category Quantity Disposal mode Hazardous waste (Existing) 1 Distillation residue 20.3 200 kg/M CHWTSDF 2 ETP sludge 34.3 100 kg/M CHWTSDF Hazardous waste (Proposed additional) 1 Distillation residue 20.3 14 TPM CHWTSDF 2 ETP sludge 34.3 25 TPM CHWTSDF 3 Filter and filter material which have organic liquid 35.1 1TPM CHWTSDF 4 Discarded barrels, containers, liners 33.3 5000 No/Y Sale to authorized recycler/CHWTSDF 5 Date expired discarded and off specification drugs / products
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Non Hazardous waste will be send to Land filling/ sold to authorized party/ scrap dealer.
	Wet waste:	NA
	Hazardous waste:	Hazardous waste will be safely disposed off to CHWTSDF/ Sale to authorized Re processors
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	Dedicated waste storage area
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 10 Cr
	O & M cost:	Rs. 2 Cr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	4-10	7.5 to 8.0	7.5 to 8.0
2	Total Suspended Solids	mg/l	4500-5000	< 100	< 100
3	Total Dissolved Solids	mg/l	4000-4500	< 2100	< 2100
4	Chemical Oxygen Demand	mg/l	3000-4500	< 250	< 250
5	Biological oxygen demand	mg/l	900-1400	< 100	< 100
6	Oil and grease	mg/l	110-125	< 10	< 10

Amount of effluent generation (CMD):	Domestic effluent: 50cmd& Trade effluent: 206cmd
Capacity of the ETP:	25 CMD
Amount of treated effluent recycled :	The treated effluent water shall be recycling and partly shall be sent to CET
Amount of water send to the CETP:	256 CMD
Membership of CETP (if require):	Unit is already member of Lote- Parshuram CETP.
Note on ETP technology to be used	Please refer pre-feasibility report.
Disposal of the ETP sludge	ETP sludge will be disposed off in CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste watertreatment of bottom sludge	34.3	MT/M	0.2	25	25.2	CHWTSDF
2	Distillation residue	20.3	MT/M	0.1	14	14.1	CHWTSDF
3	Filter and filter material which have organic liquid	35.1	MT/M	0	1	1	SCHWTSDF

4	Discarded barrels, containers, liners	33.3	Nos / year	0	5000	5000	Sell to authorized reprocessor/ CHWTSDF
5	Date expired discarded and off specification drugs / products/ RMs	28.4	MT/M	0	0.5	0.5	Sell to authorized party/ CHWTSDF
6	Charcoal	28.2	MT/M	0	0.25	0.25	Sell to authorized party/ CHWTSDF
7	Spent Solvent	28.5	KL/M	0	20	20	Distillation and sale to authorized vendors / 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	Existing-Boiler – I (steam capacity 500 kg/hr)	FO 265 lit/Day	1	32	0.37	130
2	Existing-Boiler – II (steam capacity 850 kg/hr)	FO 385 Lit/day	0	0	0	--
3	Proposed-Boiler III(steam capacity 4TPH)	Briquette 8TPD	1	32	0.7	150
4	Proposed-Boiler – IV (steam capacity 3 TPH)	Briquette 8TPD	1	32	0.7	150
5	Proposed -TFH – I (1 lac kcal/hr)	Bio-diesel-150 lit/day	1	32	0.37	160
6	Proposed -TFH – I (4 lac kcal/hr)	Bio-diesel-150 lit/day	0	0	0	--
7	Existing-DG Set 250 KVA	Diesel-100 lit/day	1	4mt above roof	--	130
8	Existing-DG Set 500KVA	Diesel-100 lit/day	1	5mt above roof	--	130
9	Proposed-DG Set 270 KVA	Diesel-100 lit/day	1	3.5 mt above roof	--	130

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	650 Lit/ day	0	650 Lit/ day
2	Briquette	0	16 TPD	16 TPD
3	Diesel	200 lit/day	100 lit/day	300 lit/day
4	Bio-diesel	0	300 lit/day	300 lit/day
41.Source of Fuel		From nearby vendors		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development	**Total RG area :**	8,89,1 sq. m.
	No of trees to be cut :	NA
	Number of trees to be planted :	Approx. 600 nos.
	List of proposed native trees :	detail will be given in EIA report
	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	Mimusopselengi	Bakuli	As per green belt development	Fast Growing, Evergreen, Oblong/ Round
2	Lagerstroemia speciosa	Queen Crape Myrtle	As per green belt development	Fast Growing, Evergreen, Oblong
3	Polyalthialongifolia	Ashok	As per green belt development	Fast Growing, Evergreen, Conical/ Rounded
4	Careyaarborea	Kumbhi	As per green belt development	Fast Growing, Evergreen, Spreading
5	Mangiferaindica	Mango	As per green belt development	Fast Growing, Evergreen, Round/ oblong
6	Ficusglomerata	Umber	As per green belt development	Fast Growing, Evergreen, Spreading
7	Hardwickiabinata	Anjan	As per green belt development	Fast Growing, Evergreen, Spreading
8	Aeglemarmelos	Bel	As per green belt development	Fast Growing, Evergreen, Round/ oblong
9	Feroniaelephantum	Kawath	As per green belt development	Fast Growing, Evergreen, Round/ oblong
10	Azadirachtaindica	Neem	As per green belt development	Fast Growing, Evergreen, Spreading
11	Cochlospermumreligiosum	Ganeri	As per green belt development	Fast Growing, Evergreen, Spreading
12	Holopteleaintegrifolia	Ainsadada/ Vavla	As per green belt development	Fast Growing, Evergreen, Spreading
13	Balanilesroxburghii	Hinganbet/Hingu	As per green belt development	Fast Growing, Evergreen, Spreading
14	Helicterisisora	Murad sheng	As per green belt development	Fast Growing, Evergreen, Round/ oblong
15	Gymnosporiamontana	Henkal	As per green belt development	Fast Growing, Evergreen, Spreading
16	Holarrhenapuboscens	Pandhra-Kuda	As per green belt development	Fast Growing, Evergreen, Oblong
17	Bauhinia purpurea	Butterfly Tree	As per green belt development	Fast Growing, Deciduous, Oblong
18	Bauhinia racemosa	Astha	As per green belt development	Fast Growing, Deciduous, Oblong
19	Gardenia jasminoides	Anant	As per green belt development	Fast Growing, Evergreen, Oblong
20	Hibiscus rosa-sinensis	Chinese Hibiscus	As per green belt development	Fast Growing, Evergreen, Round/ oblong

21	Nyctanthus arbor-tristis	Parijatak	As per green belt development	Fast Growing, Deciduous, Oblong/ Round
22	Psidium guava	Guava tree	As per green belt development	Fast Growing, Evergreen, Oblong
23	Calycopteris floribunda	Ukshi	As per green belt development	Fast Growing, Evergreen, Spreading
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)	500 KVA (existing)
	DG set as Power back-up during construction phase	Existing DG set-500 KVA Proposed DG set- 270 KVA
	During Operation phase (Connected load):	Proposed power requirement: 1970KW
	During Operation phase (Demand load):	Proposed power requirement:850 KVA
	Transformer:	1000 KVA
	DG set as Power back-up during operation phase:	Existing DG set- 500 KVA Proposed DG set- 270 KVA
	Fuel used:	Diesel : 300Lit/ Day (existing & proposed)
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

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 pollution-Boiler, DG set	Stack, scrubber, Dust collectors, cyclone	Stack, scrubber, Dust collectors, cyclone
Water pollution	ETP	--
Noise	PPE, Acoustic Enclosure	PPE, Acoustic Enclosure

Solid & Hazardous waste	Disposal to CHWTSDF, Authorized recycler	Disposal to CHWTSDF, Authorized recycler

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	RCC	Reinforced	7 Cr.

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	From Utilities, Process and DG set	9 cr	3 cr
2	Environmental Monitoring	Regular Monitoring	10 cr	2 cr
3	Water Pollution Control	ETP upgradation	3 cr	1 cr
4	Hazardous Waste and Solid waste management	Storage and Disposal of Hazardous waste and Non-hazardous waste	0.25 cr	2.25 cr
5	Green Belt Development	Development and Maintenance of Green Belt	0.25 cr	0.03 cr
6	Occupational Health and Safety	PPE, Safety Training	0.1	0.25

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
methanol	Existing	within plot	30 KL	30 KL	100 TPM	nearby vendors	by road

52.Any Other Information

No Information Available

53.Traffic Management

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

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):	minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)-B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-07-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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 of TOR for their proposed expansion activity under category 5(f)B1 as per EIA Notification, 2006.

The proposal was considerd in the 170th meeting of SEAC-1 held on 24.10.2019 wherein PP requested to postpone the case.

PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

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.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles/association.
2) PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates 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 copy of amalgamation order for plot Nos. A-5/1, A-5/2, A-5/3, A-6/1, A-6/3, A-6/4 and Sr. No. 169/10.
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 product wise 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 mentioning quantity of treated effluent permitted to discharge in the CETP in case no such permission is obtained, PP to submit design details of ZLD Effluent Treatment Plant in the EIA report.
8) PP to submit an affidavit for not violating any requirement of EIA Notification, 2006 amended from time to time.
9) PP to carry out scrubber adequacy study and include in the EIA report.
10) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
11) PP to carry out HAZOP and QRA and submit disaster management plan.
12) 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.
13) 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.
14) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
15) PP to include water and carbon foot print monitoring in the EMP.
16) PP to submit hazardous chemical handling protocol
17) 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.
18) PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report and presentation, consolidated statement.

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Stone Quarry of M/s. Harasiddh Stone Industries at Adivali Bhutali, Shil-Mahape Road, Navi Mumbai, Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	M/s. Harasiddh Stone Industries
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jilani Kadar Shaikh
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Mining of Minor Mineral
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	R.F. Sr. No. 94/A (Part)
9.Taluka	Thane
10.Village	Adivali Bhutali, Shil-Mahape Road
Correspondence Name:	Mr. Jilani Kadar Shaikh
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Shil - Mahape Road
Locality:	Adivali Bhutali
City:	Thane
11.Whether in Corporation / Municipal / other area	Reserve Forest Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval Number : ML/PL/Adm1503/Part 3/2016/460
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division 2) Approved Mining Plan from Deputy Director , Directorate of Geology & Mining, Government of Maharashtra, Kolhapur
15.Total Plot Area (sq. m.)	1.47 Ha
16.Deductions	Not Applicable
17.Net Plot area	1.47 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not Applicable
	b) Non FSI area (sq. m.): Not Applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not Applicable
	Approved Non FSI area (sq. m.): Not Applicable
	Date of Approval: 29-03-2016
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	5306284

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not Applicable	0	0

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)	Sufficient road width is available for movement of vehicles
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	Stone Metal	0	2222	2222

32.Total Water Requirement

Dry season:	**Source of water**	Water Tanker
	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) :	4.0
	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	1.1	1.1	0	0.4	0.4	0	0.7	0.7

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14.0 m bgl
	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:**	Garland Drainage
	Quantity of storm water:	15 mm/d
	Size of SWD:	A garland of 7.5m will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.7
	STP technology:	Sewage generated from Mobile toilet will be hand over to Authorized person for collection, treatment & Disposal of Sewage
	Capacity of STP (CMD):	Sewage generated from Mobile toilet will be hand over to Authorized person for collection, treatment & Disposal of Sewage
	Location & area of the STP:	Mobile toilet proposed adjacent to mine lease area
	Budgetary allocation (Capital cost):	60000
	Budgetary allocation (O & M cost):	30000

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:**	The stone quarrying does not produce any waste. The entire stone irrespective of size will be sold in commercial market. Overburden, if any shall be used for peripheral 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:**	The entire stone irrespective of size will be sold in commercial market. Overburden, if any shall be used for gardening and 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
Area requirement:	**Location(s):**	Not Applicable as the produced material is usable/saleable and will be stored temporarily
	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)

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 :**	As per Mining Plan
	No of trees to be cut :	0
	Number of trees to be planted :	150
	List of proposed native trees :	Neem, Karanj, Tamarind, Babul
	Timeline for completion of plantation :	Five 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	Pongamia pinnata	Karanj	60	Indigenous species
2	Azadirachta indica	Neem	60	Indigenous species, Medicinal value
3	Tamarindus indica	Imli	15	Indigenous species, Medicinal value
4	Acacia nilotica	Babul	15	Indigenous species

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	0	0

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (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:	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	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust from Blasting and Crushing operation	Not Applicable	Water Sprinkler, Green belt Development

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 Control	Dust Suppression	0	1.75
2	Plantation	Greenbelt Development	0.30	0.30
3	Occupational Health & Safety	PPEs	0.20	0.60
4	Environmental Monitoring	Monitoring of Air, Noise, Water	0	1.0

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

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

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	Sanjay Gandhi National Park :13.4 km in NW; Thane Creek Flamingo Sanctuary: 6.53 km in WNW; Tungareshwar National Park: 21.5 km in NNW
	Category as per schedule of EIA Notification sheet	Category B2; Sr. No. 1(a)
	Court cases pending if any	No
	Other Relevant Informations	Not Any
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.47 ha. at village Adivali-Bhutavali, Shil Mahape Road District Thane.

The proposal was considered in the 167th A meeting of SEAC-1 held on 30.07.2019 wherein the proposal was deferred with following remarks,

During meeting PP was not present but their consultant Mrs. Anjua from Aditya Environmental Services Pvt. Ltd requested that, the proposals from the same village were considered by the SEAC-1 and deferred for want of additional information. Same analogy may be applied to the present case.

In view of above, SEAC-1 advised PP, to carryout joint survey by the Officials of Forest Department, Revenue Department, Project Proponent and consultant to verify whether earlier mining is carried out as per approved mining plan and status of cluster formation in the proposed project of stone quarry.

PP also to carry out measurement and demarcation of the lease area and submit map approved by the Competent Authority. Hence, SEAC-1 decided to defer the proposal till submission of documents as mentioned above.

DECISION OF SEAC

PP submitted their proposal for the grant of Environmental Clearance under category 1(a) B2 of the schedule attached to the EIA Notification, 2006.

The proposal was earlier considered in the 167th A meeting of the SEAC-1 held on 30.07.2019, where in it was observed that, there are other quarries in the vicinity of the proposed projects which may be at a distance of 500 meters from each other and may form a cluster more than 25 Ha. Hence, committee asked Forest Officials to conduct a joint survey with the officials of the Chief Conservator of Forest, Thane, Officials of The Collector, Tahne , Project Proponent and Consultant to verify whether earlier mining was carried out as per approved mining plan and status of cluster formation in the proposed project of the stone quarry.

During deliberations, representative of the Forest Department informed that, joint survey is not yet undertaken. The committee expressed its dissatisfaction for delay in carrying of the joint survey. The Forest Department should take lead to complete the survey because the proposed quarry land belongs to the Forest Department. The committee also expressed its inability to further consider the project in absence of joint survey report. Hence, SEAC-1 expects The Chief Conservator of Forest, Thane to look in to the matter and guide concerned officers to complete the joint survey at the earliest.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Stone Quarry of M/s. Uma Stone Company at Adivali Bhutali, Shil-Mahape road, Navi Mumbai, Thane, Maharashtra

Is a Violation Case: No

1.Name of Project	M/s. Uma Stone Company
2.Type of institution	Private
3.Name of Project Proponent	Vasim Jilani Shaikh
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Mining of Minor Mineral
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	R.F. Survey No. 94/A
9.Taluka	Thane
10.Village	Adivali Bhutali, Shil-Mahape Road
Correspondence Name:	Vasim Jilani Shaikh
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Shil-Mahape Road
Locality:	Adivali Bhutali
City:	Thane
11.Whether in Corporation / Municipal / other area	Reserve Forest Area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval Number : ML/PL/Adm/503/Part3/2016/461
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	1) NOC from Thane Forest Division 2) Approved Mining Plan from Deputy Director, Directorate of Geology & Mining, Government of Maharashtra, Kolhapur
15.Total Plot Area (sq. m.)	1.520
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 29-03-2016
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	3689512

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	0	0

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)	Sufficient road width is available for movement of vehicles
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	Stone Metal	0	2222	2222

32.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	4.0
	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	1.1	1.1	0	0.4	0.4	0	0.7	0.7

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0.5 to 14.0 m bgl
	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:**	Garland Drainage
	Quantity of storm water:	15 mm/d
	Size of SWD:	A garland of 7.5 m will be maintained

Sewage and Waste water	**Sewage generation in KLD:**	0.7
	STP technology:	Sewage generated from Mobile Toilet will be hand over to Authorized person for the Collection, Treatment & Disposal of Sewage
	Capacity of STP (CMD):	Sewage generated from Mobile Toilet will be hand over to Authorized person for the Collection, Treatment & Disposal of Sewage
	Location & area of the STP:	Mobile toilet proposed adjacent to Mine lease area
	Budgetary allocation (Capital cost):	60000
	Budgetary allocation (O & M cost):	30000

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:**	The stone quarrying does not produce any waste. The entire stone irrespective of size will be sold in commercial market. Overburden if any, shall be used for peripheral 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:**	The entire stone irrespective of size will be sold in commercial market. Overburden if any, shall be used for peripheral 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
Area requirement:	**Location(s):**	Not Applicable as the produced material is usable/salable and will be stored temporarily
	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)

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 :**	As per Mining Plan
	No of trees to be cut :	0
	Number of trees to be planted :	125
	List of proposed native trees :	Neem, Karanj, Imli, Babul
	Timeline for completion of plantation :	5 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	Pongamia pinnata	Karanj	50	Indigenous species
2	Azadirachta indica	Neem	50	Indigenous species, Medicinal value
3	Acacia nilotica	Babul	12	Indigenous species
4	Tamarindus indica	Imli	13	Indigenous species, Medicinal Value

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	0	0

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (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:	Not Applicable

48.Energy saving by non-conventional method:

Not Applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Dust from Blasting and Crushing operation; Roads	Not Applicable	Water Sprinkler, Green belt Development

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 Control	Dust Suppression	0	1.80
2	Plantation	Green Belt Development	0.40	0.45
3	Occupational Health & Safety	PPEs, Health Check up	0.30	0.60
4	Environmental Monitoring	Monitoring of Air, Noise, Water	0	1.0

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

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

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	Thane Creek Flamingo Sanctuary: 6.42 km in WNW; Sanjay Gandhi National Park: 12.7 km in North West ; Tungareshwar National Park: 23.8 km in NNW
	Category as per schedule of EIA Notification sheet	Category B2; Serial No. 1(a)
	Court cases pending if any	No
	Other Relevant Informations	Not Any
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 1.52 ha. at R.F. Survey No.94/A, village Adivali-Bhutavali, Shil Mahape Road District Thane.

The proposal was considered in the 167th A meeting of SEAC-1 held on 30.07.2019 wherein the proposal was deferred with following remarks,

During meeting PP was not present but their consultant Mrs. Anjua from Aditya Environmental Services Pvt. Ltd requested that, the proposals from the same village were considered by the SEAC-1 and deferred for want of additional information. Same analogy may be applied to the present case.

In view of above, SEAC-1 advised PP, to carryout joint survey by the Officials of Forest Department, Revenue Department, Project Proponent and consultant to verify whether earlier mining is carried out as per approved mining plan and status of cluster formation in the proposed project of stone quarry.

PP also to carry out measurement and demarcation of the lease area and submit map approved by the Competent Authority. Hence, SEAC-1 decided to defer the proposal till submission of documents as mentioned above.

DECISION OF SEAC

PP submitted their proposal for the grant of Environmental Clearance under category 1(a) B2 of the schedule attached to the EIA Notification, 2006.

The proposal was earlier considered in the 167th A meeting of the SEAC-1 held on 30.07.2019, where in it was observed that, there are other quarries in the vicinity of the proposed projects which may be at a distance of 500 meters from each other and may form a cluster more than 25 Ha. Hence, committee asked Forest Officials to conduct a joint survey with the officials of the Chief Conservator of Forest, Thane, Officials of The Collector, Tahne , Project Proponent and Consultant to verify whether earlier mining was carried out as per approved mining plan and status of cluster formation in the proposed project of the stone quarry.

During deliberations, representative of the Forest Department informed that, joint survey is not yet undertaken. The committee expressed its dissatisfaction for delay in carrying of the joint survey. The Forest Department should take lead to complete the survey because the proposed quarry land belongs to the Forest Department. The committee also expressed its inability to further consider the project in absence of joint survey report. Hence, SEAC-1 expects The Chief Conservator of Forest, Thane to look in to the matter and guide concerned officers to complete the joint survey at the earliest.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Stone Quarry Mining at Village : Malthan, Tal : Shirur , Dist : Pune

Is a Violation Case: No

1.Name of Project	M/s. Siddhvinayak Stone Crusher
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sagar Machindra Saikar and Mrs. Parvati Vikram Bhujbal
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	NA
8.Location of the project	Gat no.143 (Part), Village: Malthan, Tal : Shirur, Dist : Pune
9.Taluka	Shirur
10.Village	Malthan
Correspondence Name:	Mr. Sagar Machindra Saikar
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	At/ Post : Shikrapur (Malthan Phata) , Tal : Shirur , Dist : Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Grampanchyat Malthan, Tal : Shirur , Dist : Pune
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 10000
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1.00 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.): 10000
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: 31-01-2017
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	8000000

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	Stone	Not applicable	1613	1613

32.Total Water Requirement

Dry season:	**Source of water**	Water Tanker
	Fresh water (CMD):	3.2
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.2 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**
Fresh water requirement	NA	3.2	3.2	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 Meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	NA
	STP technology:	Mobile toilets will be used
	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:**	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	Top soil generation will be negligible. The top soil available will be utilized for plantation purposes
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Top soil generation will be negligible. The top soil available will be utilized for plantation purposes
	Wet waste:	NA
	Hazardous waste:	NA
	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:	NA
	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	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

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

43.Green Belt Development

Total RG area :	0.2870 Ha
No of trees to be cut :	Not Applicable
Number of trees to be planted :	290
List of proposed native trees :	Attached
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	Azardirachta indica	Neem	30	Medicinal value, To control soil erosion.
2	Tamarindus indica	Chinch	30	Edible fruit.
3	Dalbergia sissoo	Shisam	30	Medicinal value, Bird attracting species
4	Samanea saman	Raintree	25	Fodder, timber.

5	Delonix regia	Gulmohor	30	Gulmohar is an ornament plant
6	Syzygium cumini	Jambhul	20	Medicinal value, Edible fruit.
7	Pongia pinnata	Karanj	20	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.
8	Ficus recemosa	Umber	20	Medicinal value, Edible fruits, Bird attracting species
9	Ficus relegiosa	Pimpal	15	Ficus religiosa is used in traditional medicine for about 50 types of disorders including asthma, diabetes, diarrhea, epilepsy, gastric problems, inflammatory disorders
10	Termanilia arjuna	Arjun	20	Medicinal value
11	Magnifera indica	Amba	30	Edible fruits,
12	Eucalyptus Spp	Nilgiri	20	Nilgiris, timber is used for temporary construction, Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, tooth-pastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
13	Total	-	290	-
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 :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	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:

NA

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 Pollution Control	NA	Water Sprinkling on road for dust control
Noise Pollution Control	NA	Scheduled and preventive maintenance of all machines will be carried out periodically to keep the original condition of the equipment so that noise generation from them can be reduced and controlled., Plantation will be done on the sides of approach roads, around rest shelter and workshop area. The plantation work minimizes propagation of noise.

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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 Control	Water Sprinkling on road for dust control	0.60	0.10
2	Green Belt Development	Tree Plantation	0.50	0.10
3	Periodic Monitoring	Periodic Monitoring of Air, Water, Noise, and Soil	-	0.60

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:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 meter
	CRZ/ RRZ clearance obtain, if any:	No CRZ clearance is required
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B2
	Court cases pending if any	No
	Other Relevant Informations	1) 18°49'16.90"N 74°13'21.84"E 2) 18°49'19.65"N 74°13'22.71"E 3) 18°49'18.32"N 74°13'26.62"E 4) 18°49'16.01"N 74°13'26.26"E
	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	The demand for energy will be 5HP which will be supplied by MSEDCL
Traffic circulation system and risk assessment	PP to provide adequate load baring 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

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 165th meeting of SEAC-1 wherein PP requested to postpone the case.

Now PP submitted compliance of the following poitns,

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

DECISION OF SEAC

District Mining Officer (Shri. Bamne) (DMO) was present for the meeting.

The proposal was appraised based on the information given by DMO, PP and their consultant. After detialed deliberations, SEAC-1 decided to recommend the proposal for prior Environemntal Clearance to the SEIAA subject to the follwing conditions

Specific Conditions by SEAC:

1) PP to get demarcation of the lease area and 7.5 meter wide safety zone on the periphery of the proposed area in presence of the DMO before taking any effective steps on site. PP to plant 1000 indigenous trees in the safety zone and 200 indigenous trees along the approach road
2) PP to develop 7.5 meter wide green belt along the periphery in the safety zone, the mined pits will be created as water reservoirs with all necessary safety provisions.
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.
25) PP to submit undertaking for not having any Eco sensitive area within 5 km of the proposed mine area.

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Expansion project in manufacturing capacity of Ethanolamines & Alkanolamines, Morpholines & Morpholine oxide, Ethoxylates and Propoxylates from 1730 MT/M to 2730 MT/M at M/s. Amines and Plasticizers Ltd.

Is a Violation Case: No

1.Name of Project	Amines and Plasticizers Ltd.
2.Type of institution	Private
3.Name of Project Proponent	S. V. Badhe
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Synthetic Organic chemical Industry; 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	D-21/21 A, TTC Industrial Area, Turbhe, Navi Mumbai,
9.Taluka	Thane
10.Village	Turbhe
Correspondence Name:	S. V. Badhe
Room Number:	Plot No. D-21/21 A,
Floor:	NA
Building Name:	NA
Road/Street Name:	TTC Industrial Area,
Locality:	Turbhe,
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	TTC Industrial Area, Turbhe
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 14983.621
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.)	73315
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.): 14983.621
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** N.A
	Approved Non FSI area (sq. m.): N.A
	Date of Approval: 03-07-2019
19.Total ground coverage (m2)	12325.474
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.8
21.Estimated cost of the project	235000000

22.Number of buildings & its configuration

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	9 m
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	Ethanolamines/ Alkanolamines: 1. Monoethanolamine 2. Diethanolamine 3. Triethanolamine-85% 4. Triethanolamine-Pure 5. N-Methylethanolamine 6. Methyl Diethanolamine 7. Di Methyl Ethanolamine 8. Di Ethyl Ethanolamine 9. N-Ethylethanolamine 10. Ethyl Diethanolamine 11. N-Propyl Ethanolamine 12. N-Propyl Diethanolamine 13. 2-Piperidinoethanol 14. Poly Ethanolamine	980	750	1730

2	Morpholines and Morpholine Oxide: 1. Morpholine 2. N-Methyl Morpholine 3. N- Methyl Morpholine Oxide-50% 4. N-Methyl Morpholine Oxide-60% 5. N-Ethyl Morpholine 6. N-Formyl Morpholine 7. Hydroxy Ethyl Morpholine 8. N-2-Hydroxy Ethyl Pyrrolidine	250	250	500
3	Ethoxylates & Propoxylates: 1. Triisopropanolamine solution 85 % 2. Di Ethyl isopropanolamine solution 85 % 3. Di Butyl Ethanolamine 4. 2 Phenoxy Ethanol 5. Tertiary Butyl Diethanolamine 6. Butyl Di Isopropanolamine 7. Polypropylene / Polyethylene Glycol 8. Block Co Polymers (Rheolease 4303, Rheolease, 2830, Rheolease 4822)	500	0	500

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)	NA	

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	15	5	20	0	0	0	15	5	20
Industrial Process	80	40	120	20	10	30	60	30	90
Cooling tower & thermopack	125	150	275	105	125	230	20	25	45
Gardening	40	85	125	40	85	125	0	0	0
Fresh water requirement	260	280	540	165	220	385	95	60	155

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-5 m
	Size and no of RWH tank(s) and Quantity:	Quantity of rainwater: 10.686 m3/day; Capacity of RWH Tank: 2 x 25 m3.
	Location of the RWH tank(s):	Near to the Storage tank.
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	500000
	Budgetary allocation (O & M cost) :	10000
	Details of UGT tanks if any :	Fire Fighting tank: 1100 m3 RWH Tank: 2 x 25 m3
35.Storm water drainage	**Natural water drainage pattern:**	Slope is towards the entry gate no. 2, the Storm Water Drainage is designed accordingly.
	Quantity of storm water:	5383.23 m3/hr
	Size of SWD:	Top Width: 1.22 m, Bottom width: 0.762, Depth: 1.52 m
Sewage and Waste water	**Sewage generation in KLD:**	20
	STP technology:	NA
	Capacity of STP (CMD):	Sewage will be collected in septic tank and the effluent will be treated in the aeration tank of ETP.
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	500000
	Budgetary allocation (O & M cost):	5000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	91 Ton of construction waste will be generated
	Disposal of the construction waste debris:	The inert recyclable wastes such as iron roads, wooden flanks, card boards, plastic materials will be segregated and sold to recyclers. Left over construction materials - stones, concrete, aggregates and debris etc. and will be used as filling material for internal road development.
Waste generation in the operation Phase:	**Dry waste:**	Paper Waste: 150 kg/month, Decontaminated empty barrels / containers: 2000 units/month
	Wet waste:	NA
	Hazardous waste:	Used/Spent oil: 2.1 MT/A, Chemical sludge: 8.76 MT/A, Oily sludge emulsion: 3.138 MT/A, Process waste: 900 MT/A, Spent ion exchange resins: 2 KL/A, Contaminated cotton rags or other cleaning materials 1.2 MT/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	MPCB authorized recyclers
	Wet waste:	NA
	Hazardous waste:	The recyclable/ reprocessable hazardous waste will be sent to authorised recyclers and the rest will be disposed through CHWTSDF.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Near ETP Area and near dryer shed area
	Area for the storage of waste & other material:	Area of 35 sq. m. will be demarcated for storage of hazardous waste.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	10,00,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Total Suspended Solids	mg/l	125	23	100
2	pH	-	9.38	7.36	6.5 to 8.5
3	BOD (3 days 27*c)	mg/l	2102	11.2	30
4	COD	mg/l	6890	40	250
5	TDS	mg/l	2156	646	2100
6	Oil & Grease	mg/l	8.8	0.8	10

Amount of effluent generation (CMD):	150
Capacity of the ETP:	240
Amount of treated effluent recycled :	150
Amount of water send to the CETP:	0
Membership of CETP (if require):	Industry has membership of CETP Thane Belapur (11-81983) for existing operations.
Note on ETP technology to be used	Primary, Secondary, Tertiary and Ultra-filtration treatment will be adopted; entire treated effluent will be reused within process. Zero Liquid Discharge will be adopted.
Disposal of the ETP sludge	After re-circulation, remaining sludge will be disposed to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spend Oil	5.1	MT/A	1.2	0.9	2.1	CHWTSDF
2	Chemical sludge from waste water treatment	35.3	MT/A	2.16	1.6	3.76	CHWTSDF/Co-processing
3	Oily sludge Emulsion	35.4	MT/A	1.8	1.35	3.138	CHWTSDF
4	Process Waste (Sodium Sulphate)	36.1	MT/A	900	0	900	CHWTSDF
5	Spent ion exchange Resin	35.2	MT/A	2	0	2	CHWTSDF

6	Contaminated cotton rags or other cleaning materials	33.2	MT/A	1.2	0.5	1.7	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	Steam Boiler 10 T/Hr	PNG	1	30	1	170
2	Steam Boiler 12 T/Hr	PNG	1	30	1	170
3	Steam Boiler 12 T/Hr. (This will replace existing briquette boiler)	PNG	1	30	1	170
4	Thermic Fluid Heater - 6 lakh Kcal/Hr. (Standby; Existing LDO fired TFH will be converted into PNG fired TFH.)	PNG	2	30	0.4	180
5	Thermic Fluid Heater - 10 lakh Kcal/Hr. (Standby; This will replace existing briquette based TFH)	PNG	2	30	0.4	180
6	Thermic Fluid Heater 1 lakh Kcal/Hr. (Standby; Existing LDO fired TFH will be converted into PNG fired TFH)	PNG	2	30	0.4	180
7	Thermic Fluid Heater 2 lakh Kcal/Hr. (Standby; Existing LDO fired TFH will be converted into PNG fired TFH)	PNG	2	30	0.4	180
8	Thermic Fluid Heater 12 lakh Kcal/Hr. (Standby: To be replaced by PNG fired TFH)	PNG	2	30	0.4	180
9	Thermic Fluid Heater 2.8 lakh Kcal/Hr. (To be discontinued)	LDO	3	6.63	1	180
10	Thermic Fluid Heater 2.8 lakh Kcal/Hr. (To be discontinued)	LDO	3	6.63	1	180
11	Thermic Fluid Heater 10 lakh Kcal/Hr. (Proposed-1)	PNG	4	30	0.4	180
12	Thermic Fluid Heater 10 lakh Kcal/Hr. (Proposed-2)	PNG	4	30	0.4	180

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette (kg/hr.)	2076	-2076	0
2	FO (kg/hr.)	400	-400	0
3	PNG (m3/hr.)	541	2658	3199
4	LDO (kg/hr.)	420	-420	0
5	Diesel (DG Set, kg/hr.)	120	120	120
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		PNG: By pipeline; Diesel: By road		

43.Green Belt Development	**Total RG area :**	29041.06
	No of trees to be cut :	NA
	Number of trees to be planted :	3170
	List of proposed native trees :	NA
	Timeline for completion of plantation :	Within 2 years after the receipt of Environment 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	Casuarina equisetifolia	Suru	200	A native evergreen tree used for green belt development
2	Samanea saman	Rain tree	120	A native deciduous tree well suited to intense heat and sunlight and drought tolerant
3	Derris indica	Karanja	200	A native deciduous tree well suited to intense heat and sunlight and drought tolerant
4	Syzygium cumini	Jambhul	300	A native deciduous tree well suited to intense heat and sunlight and drought tolerant
5	Azadirachta indica	Kadulimb	150	A native tree blooming throughout the year
6	Peltophorum pterocarpum	Son Mohor	300	A native deciduous brilliantly frooting well suited to intense heat and sunlight and drought tolerant
7	Ficus racemosa	Jungali Umbar	400	A native deciduous brilliantly frooting well suited to intense heat and sunlight and drought tolerant
8	Mangifera indica	Amba	200	A native deciduous brilliantly frooting well suited to intense heat and sunlight and drought tolerant
9	Terminalia catappa	False Badam	100	A native evergreen tree capable of surviving in comparatively polluted environs
10	Plumeria rubra	Chafa	450	A native deciduous brilliantly flowering well suited to intense heat and sunlight and drought tolerant

11	Ficus relegiosa	Pimpal	250	A native deciduous brilliantly flowering well suited to intense heat and sunlight and drought tolerant
12	Aegle marmelos	Bael	250	A native evergreen tree with large canopy & large leaf area which helps in dust settling
13	Ficus bengalensis	Banyan tree	250	A native evergreen tree with large canopy & large leaf area 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

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	6000 kW
	DG set as Power back-up during construction phase	750 kVA
	During Operation phase (Connected load):	1992
	During Operation phase (Demand load):	1350
	Transformer:	2000 kVA
	DG set as Power back-up during operation phase:	2 x 750 kVA
	Fuel used:	Diesel, 240 kg/hr.
	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 streetlights and rooftop solar system will be installed on building

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar streetlights & Roof top solar power system will be installed	0.25 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

Air emissions	A stack height of 30 m is provided for all the boiler and thermic fluid heater stacks. Multi cyclone dust collector is provided to briquette fired boiler. Stack of D.G set is 5.4 m above roof. Cleaner fuel – PNG is adopted to reduce SO2 & PM emissions.	Stack height of 30 m will be provided to additional thermic fluid heaters. Cleaner fuel – PNG will be continued to be adopted to reduce SO2 & PM emissions.
Effluent emissions	ETP of 160 CMD is provided at site with primary, secondary and tertiary treatment.	ETP capacity will be expanded to 240 CMD. Primary, Secondary and tertiary treatment and Ultra Filtration shall be followed to achieve 'Zero Liquid Discharge'
Noise & Vibrations	The D.G set is installed in an isolated place and acoustic enclosures have been provided. PPE's will be provided to workers.	The same practice will be followed.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1500000
	O & M cost:	150000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust emissions	Sprinkling will be done	20,000
2	Sewage during construction phase	Treated in aeration tank of ETP	20,000
3	Noise	PPE's will be provided	20,000

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	Stack with 30 m height will be provided to TFH stack	5,00,000	20,000
2	Water Pollution Control	Primary, Secondary and tertiary treatment and Ultra Filtration shall be followed to achieve 'Zero Liquid Discharge'	100,00,000	8,00,000
3	Green belt development	Plantation of local native trees	5,00,000	1,00,000
4	Occupational Health and Safety	PPE's to employees, Regular monitoring of health checkups	2,00,000	50,000
5	Water Conservation	Installation of Rain Water Harvesting collection system with 50 KL storage capacity	5,00,000	50,000
6	Environmental Monitoring	Monitoring of ambient air, ETP inlet and outlet CEMS & Effluent monitoring system	50,00,000	6,00,000
7	Energy Conservation	Solar street lights and rooftop solar harvesting system	15,00,000	1,50,000
8	Noise Pollution Control	Acoustic enclosures to DG Set,	50,000	10,000

9	Hazardous waste disposal	Disposal of Hazardous Waste to common hazardous waste disposal facility	0	15,00,000
10	EC Conditions Monitoring	Third party monitoring of Compliance of E.C. Conditions	0	5,00,000

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
Ethylene oxide	Liquid	Above ground Storage tank	50	50	1050	Local	By road
Propylene oxide	Liquid	Above ground Storage tank	50	50	150	Local	By road
Formaldehyde	Liquid	Above ground Storage tank	30	30	330	Local	By road
Formic acid	Liquid	Above ground Storage tank	30	30	210	Local	By road
Hydrogen peroxide	Liquid	Above ground Storage tank	30	30	240	Local	By road
Caustic Lye	Liquid	Above ground Storage tank	30	30	60	Local	By road
Sulphuric Acid	Liquid	Above ground Storage tank	10	10	30	Local	By road
Liquor Ammonia	Liquid	Above ground Storage tank	30	30	15	Local	By road
Morpholine	Liquid	Above ground Storage tank	100	100	350	Local/import	By road/By sea

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:	7331.5 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	5 (f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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 of TOR under category 5(f)B1 as per EIA Notification, 2006.

During deliberations, it was observed that, proposed expansion unit is loacted in the Critically Polluted Area as identified in the Hon'ble National Green Tribunal order dated 10.07.2019.

The para 10 of the Hon,ble National Green tribunal order dated 23.08.2019 reads as belwo,

"*.....The MoEF&CC can forthwith devise an appropriate mechanism to ensure that new legitimate activity or expansion can take place after due precautions are taken in the areas of question by 'red' and 'orange' category of units.*"

In view of above directions from the Hon'ble national Green Tribunal, SEAC-1 decided to call for the report from the Maharashtra Pollution Control Board to ensure whether adequate precautionary measures are undertaken by the PP to achieve prescribed standards of environmental parameters as stipulated in the Consent to Operate letter.

SEAC is of the view that, if the PP has undertaken all precautuinary measures to mitigate the pollution and environemntal parameters in their industrial unit are within precribed limits as certified by the MPCB, then the proposal can be considered for appraisal.

DECISION OF SEAC

The proposed project is located in the Navi Mumbai area which is identified by CPCB as Severely Polluted Area. SEAC-1 appraised the proposal as per OM issued by MoEF&CC dated 30.12.2019.

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

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.

Specific Conditions by SEAC:

1) PP to submit point wise compliance of the specific conditions stipulated in the OM issued by MoEF&CC dated 30.12.2019
2) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles/association.
3) PP to submit lay out plan showing internal roads with minimum six meter width and nine meter turning radius, entry/exit gates provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 40% 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 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.
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 product wise 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 mentioning quantity of treated effluent permitted to discharge in the CETP in case no such permission is obtained, PP to submit design details of ZLD Effluent Treatment Plant in the EIA report.
8) PP to carry out scrubber adequacy study and include in the EIA report.
9) PP to submit details of revised EMP & CER as per OM issued by MoEF&CC dated 30.12.2019.
10) PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.
11) PP to carry out HAZOP and QRA and submit disaster management plan.
12) 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.
13) 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.
14) PP to submit structural stability certificate of existing building with respect to the proposed expansion.
15) PP to include water and carbon foot print monitoring in the EMP.
16) PP to submit hazardous chemical handling protocol
17) 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.
18) PP to ensure that, the uniform information is given in the Form-I/II, EIA/EMP report and presentation, consolidated statement.

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Environmental Clearance for Proposed Basalt Stone Quarry (Minor Mineral Project) of Shri Mohan Madhav Gava at Gat No. 74, 75(Part) , 76(Part) , 80(Part) , 81(Part) , 84(Part), Talavali tarf Satkor, Vikramgad, Palghar District, Maharashtra. (Total Plot Area 2.18 Ha)

Is a Violation Case: No

1.Name of Project	Mohan Madhav Gava
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohan Madhav Gava
4.Name of Consultant	Enviro Resources
5.Type of project	Project is falling under jurisdiction of Group Grampanchayat: Chabke- Talavali
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Gat No: 74, 75(Part), 76(Part), 80(Part), 81(Part), 84(Part)
9.Taluka	Vikramgad
10.Village	Village Talavali tarf Satkor,
Correspondence Name:	Mohan Madhav Gava
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Talavali Tarf Satkor
City:	Vikramgad, Palghar
11.Whether in Corporation / Municipal / other area	Other Area (Project land is falling under jurisdiction of Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Since it is Basalt Stone Mining Project, Mining Plan has been approved by DGM, Kolhapur as per provision of Maharashtra Minor Mineral Extraction Rules, 2013
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No MIN-Adm/599 /2018/1301 dated 26th November 2018
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat is received on 10.09.2018
15.Total Plot Area (sq. m.)	21800 Sq.m. (2.18 Ha.)
16.Deductions	0
17.Net Plot area	21800 Sq.m. (2.18 Ha.)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 26-04-2019
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	3000000

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)	NA
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 (Stone Metal)	0	20025	20025

32.Total Water Requirement

Dry season:	**Source of water**	Water Tankers
	Fresh water (CMD):	7.80
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.80
	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	0.5	0.5	0	0.1	0.1	0	0.4	0.4
Industrial Process	0	6.70	6.70	0	6.70	6.70	0	0	0
Gardening	0	3.88	3.88	0	3.88	3.88	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx 10 m
	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:**	The slope of the area is from East to West within the Project Site. The runoff will be maintained by providing garland drain around the quarry boundary to maintain natural pattern.
	Quantity of storm water:	Around 4.77 m3/hr of storm water will be generated within the lease area
	Size of SWD:	The runoff will be connected to be garland drain
Sewage and Waste water	**Sewage generation in KLD:**	0.4 KLD
	STP technology:	Not Applicable; Septic Tank Followed by Soak pits will be provided
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	0.50 Lacs
	Budgetary allocation (O & M cost):	0.15 Lacs
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:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	The overburden of 54288 tons will be generated during proposed quarry operation of 5 years

Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden from mining operation will be utilized for development and maintenance of Internal Road, greenbelt and for filling of empty pits during course of mine closure
Area requirement:	**Location(s):**	Overburden will be stored along the lease boundary, close to greenbelt area.
	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)
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	Diesel	Not Applicable	10/ Liter/day	10/ Liter/day

41.Source of Fuel	Local
42.Mode of Transportation of fuel to site	Not Applicable

43.Green Belt Development	**Total RG area :**	7747 Sq.m. (0.77 Ha)
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	97
	List of proposed native trees :	Neem, Mango, Sagon, Bargad, Sheesham, Peepal
	Timeline for completion of plantation :	Plantation will be done after grant of EC and Mining lease

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	16	Tolerant to SO2
2	Mangifera indica	Mango	16	Tolerant to Dust control
3	Tectona grandis	Sagon	16	Tolerant to Dust control
4	Ficus benghalensis	Bargad	16	Tolerant to Dust control
5	Dalbergia sisoo	Sheesham	16	Dust particles absorbance
6	Ficus religiosa	Peepal	17	Dust particles absorbance
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
Dust generation due to internal vehicular movement	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
PM generation due to drilling and blasting operation	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
Emissions from Vehicles	Not Applicable	PUC certified vehicles will be used
Noise generation	Not Applicable	PPEs will be provided for workers, maintenance of equipment's will be done to avoid higher level

Water/ soil pollution due to direct discharge of sewage water on land	Not Applicable	Septic tank followed by soak pits 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 Environment	Dust suppression system, Water Sprinklers, Provision of Tarpaulin, PUC for vehicles	0.0	5.70
2	Water Environment	on-site temporary sanitation facilities & septic tank followed by soak pit	0.50	0.15
3	Noise Environment	Maintenance of Vehicle and machineries	0.0	0.20
4	Soil Environment	Construction and & Maintenance of Garland to avoid soil erosion during monsoon period	0.35	0.14
5	Environment Monitoring & Management	Monitoring of AAQ & Ground Water	MoEF or NABL Accredited Laboratory	0.50
6	Occupational Health & Safety	Provision of new PPEs for workers, Safety training for workers, Periodic Medical Checkup, First Aid	0.50	0.19
7	Green Belt	Green Belt development and its maintenance	0.24	0.29
8	Roads	development & Maintenance of access road	0.80	0.32
9	Mine Closure	Implementation of Mine closure plan	1.09	0.0

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

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

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):	6m
	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	1 (a) Category B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 2.18 ha. at Talavali, tarf Satkor, Vikramgarh Gut No. 74, 75 (p), 76 (p), 80 (p), 81 (p), 84 (p) , Taluka Pen, District Palghar.

The proposal was earlier considered in the 165th meeting of SEAC-1 held on 08.05.2019 wherein PP requested to postpone the case.

The proposal was considered in the 168th meeting wherein the proposal was deferred till submisison of compliance of follwing points,

. It was observed from the google image that, excavation was already carried out on site for which PP was not able to give proper justification. Hence, DMO is directed to conduct site inspection and carry out investigation whether the excavation/mining on site is carried out with requisite permission from the Competent Authority. DMO shall submit investigation report through the District Collector/ Additional Collector.

2.DMO to submit status of cluster formation in the proposed mine area.

3. PP to submit details of exisitng habitation, roads, dams, canals, rivers in the vicinity of the proposed quarry area with their distances.

4. PP to submit itemwise expenses in the revised EMP.

Now PP submitted the compliance of above points.

DECISION OF SEAC

After detailed deliberations with the PP, District Mining Officer (Shri. Kamble) SEAC-1 decided to defer the proposal till submission of compliance of following points.

1. DMO submitted report mentioning the excavation on site was done by the earlier ownere of the land. DMO to investigate the matter and submit report to the District Collector for necessary action against the defaulter.

2. PP to submit measurement map of the propsoed quarry area from District Superintendent of the Land Records.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Proposed Basalt Stone Quarry, M/s Nidhi Enterprises through Shri: Rajkumar Hiralal Gupta over Survey No: 69/1/2,69/3/2, 68 Part, Area 2.83 Ha. for 36000 MT/ Annum at Mauza Shiravali, Taluka-Vasai, District –Palghar, Maharashtra

Is a Violation Case: No

1.Name of Project	M/s Nidhi Enterprises
2.Type of institution	Private
3.Name of Project Proponent	Rajkumar Hiralal Gupta
4.Name of Consultant	Enviro Resources
5.Type of project	Other Area (Project land is falling under jurisdiction of Shiravali Grampanchayat)
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No: 69/1/2,69/3/2,68 Part
9.Taluka	Vasai
10.Village	Shiravali
Correspondence Name:	Rajkumar Hiralal Gupta
Room Number:	-
Floor:	B/401
Building Name:	Pawan Paradise CHS.
Road/Street Name:	New link Road
Locality:	Vasant Nagari, Vasai (East)
City:	Vasai, Palghar
11.Whether in Corporation / Municipal / other area	Other Area (Project land is falling under jurisdiction of Shiravali Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Since it is Basalt Stone Mining Project, Mining Plan has been approved by DGM, Kolhapur as per provision of Maharashtra Minor Mineral Extraction Rules, 2013
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval No MIN-Adm/503/Part 4/2019/801 dated 02nd April 2019
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	0
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat is received on 31.09.2019
15.Total Plot Area (sq. m.)	28300 Sq.m. (2.83 Ha)
16.Deductions	0
17.Net Plot area	28300 Sq.m. (2.83 Ha)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 02-08-2019
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	600000

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)	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
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 (Stone Metal)	0	36000 MT MT/ Annum (9000 Brass/Annum)	36000 MT MT/ Annum (9000 Brass/Annum)

32.Total Water Requirement

Dry season:	**Source of water**	Water Tankers
	Fresh water (CMD):	3.70
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	3.70
	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	0.50	0.50	0	0.10	0.10	0	0.40	0.40
Industrial Process	0	1.50	1.50	0	1.50	1.50	0	0	0
Gardening	0	1.70	1.70	0	1.70	1.70	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx 20m
	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:**	The slope of the area is from South to North within the project site. The run -off will be maintained by providing garland drains around the quarry boundary to maintain the natural pattern
	Quantity of storm water:	Around 2653.12 m3/hr of storm water will be generated within the lease area
	Size of SWD:	Garland of 1.46 m width x 1.5 m height with be provided
Sewage and Waste water	**Sewage generation in KLD:**	0.40
	STP technology:	Not Applicable; Septic tank followed by soak pits will be provided
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	50000
	Budgetary allocation (O & M cost):	15000
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:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Total overburden of 50787 tons will be genrated during proposed quarry operation of 5 years and shall be used for Greenbelt Development

Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Overburden from mining operation will be utilize for development and maintenance of internal roads, greenbelts and for filling of empty pits during course of mine closure
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)
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	Diesel	0	10 Liter/day	10 Liter/day
41.Source of Fuel		Local		

42.Mode of Transportation of fuel to site	Fuel storage cans through vehicle

43.Green Belt Development	**Total RG area :**	9030 m2 (0.90 Ha)
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	113
	List of proposed native trees :	Neem, Mango, Sagon, Bargad, Sheesham, Peepal
	Timeline for completion of plantation :	Plantation will be done after grant of EC and Mining Lease

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	19	Tolerant to SO2
2	Mangifera indica	Mango	19	Tolerant to Dust control
3	Tectona grandis	Sagon	19	Tolerant to Dust control
4	Ficus benghalensis	argad	19	Tolerant to Dust control
5	Dalbergia Sisoo	Sheesham	19	Dust particles absorbance
6	Ficus religiosa	Peepal	18	Dust particles absorbance
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
Dust generation due to internal vehicular movement	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
PM generation due to drilling and blasting operation	Not Applicable	Sprinkling of water will be done to to avoid dust nuisance
Emissions from Vehicles	Not Applicable	PUC certified vehicles will be used
Noise generation	Not Applicable	PPEs will be provided for workers, maintenance of equipments will be done to avoid higher noise level.
Water/ soil pollution due to direct discharge of sewage water on land	Not Applicable	Septic tank followed by soak pits 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 Environment	Dust suppression system, Water Sprinklers, Provision of Tarpaulin, PUC for vehicles)	0	1.32

2	Water Environment	on-site temporary sanitation facilities & septic tank followed by soak pit	0.50	0.15
3	Noise Environment	Maintenance of Vehicle and machineries	0	0.20
4	Soil Environment	Construction and & Maintenance of Garland to avoid soil erosion during monsoon period	0.32	0.12
5	Environment Monitoring & Management	Monitoring of AAQ & Ground water	MoEF or NABL Accredited Laboratory	0.50
6	Occupational Health & Safety	Provision of new PPEs for workers, Safety training for workers, Periodic Medical Checkup, First Aid	0.50	0.20
7	Green Belt	Green Belt development and its maintenance	0.40	1.42
8	Road	Development and Maintenance of access road	0.10	0.04
9	Mine Closure	Implementation of Mine closure plan	1.42	0

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

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

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):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not present within 10 km
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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 prior Environment Clearance under category 1(a)B2 of the EIA Notification,2006 , as amended from time to time for the stone quarry having area of 2.83 ha. at village Shirvali Survey No. 69/1/2, 69/3/2 , Taluka Vasai & District Palghar.

The proposal was earlier considered in the 168th B meeting of SEAC-1 held on 18.09.2019 wherein the proposal was deferred till submission of complaince of follwoing points,

1. DMO to submit status of the cluster formation in the area of proposed mine.

2. PP to submit measurement map prepared by the District Superintendent of Land Records.

3. PP to rectify the decripancies in the name of the applicant and ownership docuemnts of the proposed quarry area.

4. PP to submit distances of nearby infrastructures like road, dam, canals, temple , habitation , etc from the proposed quarry area.

Now PP submitted compliance of above points.

DECISION OF SEAC

After detailed deliberations with the PP, DMO (Shri. Kamble) SEAC-1 decided to defer the proposal till submission of compliance of following points.

1. PP to submit revised measrement map certified by the District Superintendent of Land Records for propsoed quarry area.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Proposed project for expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products for manufacturing of Specialty chemicals and Surfactants at plot no. 103/104, 104 part, 105 part (I, II & 2) by Solvay Specialities India Private Limited, Roha, Maharashtra.

Is a Violation Case: No

1.Name of Project	Proposed project for expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products for manufacturing of Specialty chemicals and Surfactants at plot no. 103/104, 104 part, 105 part (I, II & 2) by Solvay Specialities India Private Limited, Roha, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohit Jalote , M/s. Solvay Specialities India Private Limited
4.Name of Consultant	Mr. Anand Apte, Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Specialty chemicals and Surfactants
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing product with decreasing and increasing capacities of the existing products and addition of new products
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. 103/104, part 105 part (I, II & 2), MIDC Area, At Dhatav - 402 116, Taluka- Roha, Dist.- Raigad, Maharashtra
9.Taluka	Roha
10.Village	Roth Bk.
Correspondence Name:	Mr Mohit Jalote
Room Number:	Plot No. 103/104, 104 part, 105 part(I,II& 2)
Floor:	-
Building Name:	-
Road/Street Name:	MIDC Dhatav,
Locality:	Tal – Roha, Dist-Raigad
City:	Roha
11.Whether in Corporation / Municipal / other area	MIDC, Roha, Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 72844.75
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	72844.75 Sq. m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 72844.75 Sq. m
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 30437.64
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: 09-08-2019
19.Total ground coverage (m2)	25402.55

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.87
21.Estimated cost of the project	2959700000

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
2	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)	9 m
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 Unit, Waste water treatment, Engineering work shop, ware house, Administrative building, Laboratories, etc.
30.Details of the demolition with disposal (If applicable)	Demolition of existing old building structure will be done for development of Green Belt by using hydraulic breakers and fabricated structures will be dismantled with help of gas cutter. Debris generated due to proposed demolition activity will be used for landfill in low line area. All metals, Concrete, and brick will be given to recycler.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	A) Sulfation and Sulphonation on 100% basis -	24500 (TPA)	-	24500 (TPA)
2	1.Linear Alkyl Benzene Sulphonic Acid	4200 (TPA)	(-) 2200 (TPA)	2000 (TPA)
3	2.Neutralized Salt of Olefin Sulphonate (Liquid /Powder/ Noodles)	-	-	2500 (TPA)
4	3.Neutralized Lauryl Alochol Sulphate (Liquid/ Powder/ Noodles)	-	-	7000 (TPA)

5	4.Neutralized Lauryl Alcohol Ether Sulphate	-	-	5400 (TPA)
6	5.Sulphonic Acid	-	-	400 (TPA)
7	Sub Total of 2 to 5	17800 (TPA)	(-) 2500 (TPA)	15300 (TPA)
8	6.Alkoxylate Alcohol Sulphate (In consent it was mentioned as Ethoxylates Fatty Alcohol Sulphate & Propoxylates Alcohol Sulphate)	-	-	3700 (TPA)
9	7.Tridecyl Alcohol Alkoxylated Sulphate (TDA) Synthetic Alcohol	-	-	400 (TPA)
10	8.Sodium 2 Ethylhexyl Sulphate (2EH)	-	-	500 (TPA)
11	9.Alkoxylated Alkyl Phenol Sulphates	-	-	2600 (TPA)
12	Sub Total of 6 to 9	2500 (TPA)	(+) 4700 (TPA)	7200 (TPA)
13	* Individual category may exceed but overall category production will not exceed prescribed 24500 TPA limit of on 100% basis.	-	-	-
14	B) Blends of Surfactants	1000 (TPA)	(+) 9000 (TPA)	10000 (TPA)
15	C) Specialty Chemicals 100% basis	13780 (TPA)	-	13780 (TPA)
16	1.Betaine and its derivatives	1450 (TPA)	(+) 50 (TPA)	1500 (TPA)
17	2.Organic Amphoacetate and its derivative	70 (TPA)	(+) 930 (TPA)	1000 (TPA)
18	3.Organic Amphopropionate and its derivative	1970 (TPA)	(-) 1470 (TPA)	500 (TPA)
19	4.Fatty Amine & Fatty Amines Ethoxylates and its Derivative	110 (TPA)	(-) 10 (TPA)	100 (TPA)
20	5. Fatty Amides and its derivative	169 (TPA)	(-) 69 (TPA)	100 (TPA)
21	6. Organic Sulphates and Sulphonates of Phenols and its derivative	785 (TPA)	(+) 5715 (TPA)	6500 (TPA)
22	7. Phosphate ester and its derivatives	1400 (TPA)	(+) 1180 (TPA)	2580 (TPA)
23	8. Ethoxylates of Alkyl Phenol and their blends	2000 (TPA)	(-) 2000 (TPA)	0

24	9. Ethoxylates of Fatty alcohol synthetic alcoholsand their blends	2050 (TPA)	(-) 2050 (TPA)	0
25	10.Sulfosuccinate and its derivative	3776 (TPA)	(-) 2276 (TPA)	1500 (TPA)
26	Sub Total of 1 to 10	13780 (TPA)	-	13780 (TPA)
27	* Individual category may exceed but overall category production will not exceed prescribed limit of 13780 TPA on 100% basis.	-	-	-
28	D) Sulphuric Acid	500 (TPA)	(+) 1000 (TPA)	1500 (TPA)
29	E) Sodium Sulphate salt from Evaporator	0	(+) 450 (TPA)	450 (TPA)
30	F) Ethylene oxide and Propylene oxide condensate of Hydrocarbons and hydrophobes	0	(+) 17000 (TPA)	17000 (TPA)
31	1. Alkyl phenol ethoxylates	0	(+) 2000 (TPA)	2000 (TPA)
32	2. Fatty alcohol ethoxylates	0	(+) 2000 (TPA)	2000 (TPA)
33	3. Tri Decyl alcohol ethoxylates	0	(+) 1100 (TPA)	1100 (TPA)
34	4. Ester Ethoxylates	0	(+) 2200 (TPA)	2200 (TPA)
35	5. Amine Ethoxylates	0	(+) 2100 (TPA)	2100 (TPA)
36	6. Vegetable Oil Ethoxylates	0	(+) 900 (TPA)	900 (TPA)
37	7. Hydroquinone Ethoxylate	0	(+) 1000 (TPA)	1000 (TPA)
38	8. Styrenated phenol ethoxylates	0	(+) 2500 (TPA)	2500 (TPA)
39	9. Oleic acid ethoxylates	0	(+) 400 (TPA)	400 (TPA)
40	10. Stearic acid ethoxylates	0	(+) 300 (TPA)	300 (TPA)
41	11. Polyethylene glycol propoxylates	0	(+) 1500 (TPA)	1500 (TPA)
42	12. Soya oil & Di Ethylene Glycol ester ethoxylates	0	(+) 850 (TPA)	850 (TPA)
43	13. Olyl cetyl alcohols ethoxylates	0	(+) 150 (TPA)	150 (TPA)
44	Sub Total of 1 to 13	0	(+) 17000 (TPA)	17000 (TPA)
45	* Individual category may exceed but overall category production will not exceed prescribed limit of 17000 TPA on 100% basis.	-	-	-

46	G) Esters of Oleic and stearic acid and their blends	0	(+) 2000 (TPA)	2000 (TPA)
47	H) Antioxidants	0	(+) 5800 (TPA)	5800 (TPA)
48	1. Aminic Antioxidants	0	(+) 5450 (TPA)	5450 (TPA)
49	2. Diisobutylene Antioxidants	0	(+) 200 (TPA)	200 (TPA)
50	3. Phenolic Antioxidants	0	(+) 150 (TPA)	150 (TPA)
51	Sub Total of 1 to 3	0	(+) 5800 (TPA)	5800 (TPA)
52	* Individual category may exceed but overall category production will not exceed prescribed limit of 5800 TPA on 100% basis.	-	-	-
53	I) Blends of aminic and phenolic antioxidants	0	(+) 500 (TPA)	500 (TPA)
54	J) Esters of Glycerine	0	(+) 250 (TPA)	250 (TPA)
55	Total	39780 (TPA)	(+) 36000 (TPA)	75780 (TPA)

32.Total Water Requirement

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

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

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	20	2	22	4	0.4	4.4	16	1.6	17.6
Industrial Process	174	44.23	218.23	120.5	10.53	131.03	53.5	33.7	87.2
Cooling tower & thermopack	225	338	563	212.5	329.5	542	12.5	8.5	21
Gardening	8	112	120	8	112	120	0	0	0
Fresh water requirement	427	496.23	923.23	345	452.43	797.43	82	43.8	125.8
Fresh water requirement	Recycle water (RO permeate+ Live steam condensate + STP)	-	38+8+ 17.6= 63.6	-	-	-	-	-	-
Fresh water requirement	Recycle condensate from steam from DMCC adjutant company	-	120	-	-	-	-	-	-
Fresh water requirement	Net fresh water requirement after total commissioning of the plant	-	923.23-183.6 = 739.63	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.8 m to 2.8 m
	Size and no of RWH tank(s) and Quantity:	70 KL raw water tank
	Location of the RWH tank(s):	Nearer to material storage ware house
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected water will be reused
	Budgetary allocation (Capital cost) :	Already Available
	Budgetary allocation (O & M cost) :	11200 Rs./Annum
	Details of UGT tanks if any :	Raw water storage Tank- 500 m3, 300 m3 and 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains are already provided as per natural slopes.
	Quantity of storm water:	637 Lit/s
	Size of SWD:	1078 Lit/s
Sewage and Waste water	**Sewage generation in KLD:**	17.6 CMD
	STP technology:	Sewage waste water 17.6 CMD will be treated in existing STP of capacity 20 CMD and will be recycled and reused for the gardening in Non-monsoon season and for utilities in Monsoon Season.
	Capacity of STP (CMD):	20 CMD
	Location & area of the STP:	Near empty drum storage yard , 120 Sq. m
	Budgetary allocation (Capital cost):	22 Lacks
	Budgetary allocation (O & M cost):	2.0 lacs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste amounting to 1217.51 Ton will be generated and demolition waste amounting to 4415 MT will be generated.
	Disposal of the construction waste debris:	In low lying area
Waste generation in the operation Phase:	**Dry waste:**	Hazardous waste- • Empty Containers- 18150 Nos./A Non-Hazardous waste- • Paper Waste- 0.5 MT/A
	Wet waste:	Disposal to CHWTSDF • Waste Oil- 7.5 MT/A • ETP Sludge biological- 200 MT/A • ETP Sludge from Primary Treatment – 100 MT/A • Evaporator Salt- 30 MT/A • Spent carbon from ETP = 50 MT/A • Spent Catalyst- 800 MT/A • Process Waste – 150 MT/A • Biomedical waste 12 Kg/M Non-Hazardous waste- • STP Sludge- 3.5 MT/A
	Hazardous waste:	Disposal to CHWTSDF • Waste Oil- 7.5 MT/A- • ETP Sludge biological- 200 MT/A • ETP sludge from Primary – 100 Evaporator Salt- 30 MT/A • Process waste- 150 MT/A • Empty Containers- 18150 Nos./A • Spent carbon from ETP = 50 MT/A • Spent Catalyst- 800 MT/A- Other waste : • Battery Waste- 0.5 MT/A- • E-Waste- 0.5 MT/A- • Biomedical waste -12 Kg/M Non-Hazardous waste- • Paper Waste- 0.5 MT/A • STP Sludge- 3.5 MT/A
	Biomedical waste (If applicable):	12 Kg/M
	STP Sludge (Dry	3.5 MT/A

Mode of Disposal of waste:	**Dry waste:**	• Sale to Authorized re-processors & • CHWTSDF
	Wet waste:	• Sale to Authorized re-processors & • CHWTSDF
	Hazardous waste:	• Sale to Authorized re-processors & • CHWTSDF
	Biomedical waste (If applicable):	Sale to authorized medical waste disposal facility
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	Sale to authorized re-processors
Area requirement:	**Location(s):**	Near ETP
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 50 Sq. m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 Lacs
	O & M cost:	75 Lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	-	6.5-9.0	7.0-7.5	6.5 – 8.5
2	COD	Mg/Lit.	8000 - 9000	200 - 250	<250
3	BOD (3 days at 27 °C)	mg/lit	4100 - 4600	60 - 80	<100
4	TDS	mg/lit	2500 - 3000	1500 -1800	<2100
5	TSS	mg/lit	400 - 500	50 - 80	<100

Amount of effluent generation (CMD):	108 CMD (Existing 66 CMD +proposed 42.2 CMD)
Capacity of the ETP:	Existing ETP having capacity 80 CMD will be upgraded to 130 CMD
Amount of treated effluent recycled :	Recycle water (RO permeate+ Live steam condensate from MEE + STP + Steam condensate from steam taken from DMCC) = 38+8+17.6+ 120= 183.6
Amount of water send to the CETP:	66 CMD as per consent will be discharged to CETP and remaining 42.2 CMD will be recycled and reused by passing through RO.
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Trade Effluent: 66 CMD + (42.2+6 CMD) = 108 CMD. 6 CMD from proposed trade effluent is actually mother liquor and will be treated separately and recycled and reused in back in process. Hence total effluent generation from process will be 42.2 CMD. Trade effluents generated will be treated in primary treatment. Primary treated effluent will be subjected to anaerobic bioreactor followed by two stage bioreactors. After tertiary treatment consented trade effluent (66 CMD) and treated waste water fro
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste oil	5.1	MT/A	0.5	3	7.5	Sale to authorized re-processors
2	ETP Sludge biological*	35.3	MT/A	100*	100	200	Gardening / CHWTSDF
3	ETP Sludge from Primary	35.3	MT/A	0	100	100	CHWTSDF
4	Evaporator Salts	35.3	MT/A	0	30	30	CHWTSDF

5	Spent carbon from ETP	35.3	MT/A	0	50	50	CHWTSDF
6	Empty Container	33.1	Nos./A	18150	-	18150	Sale to authorized re-processors
7	Spent Catalyst	28.2	MT/A	-	800	800	CHWTSDF
8	Process Waste	28.1	MT/A	-	150	150	CHWTSDF
9	Note: * Existing consent shows generation of ETP Sludge 432 TPA however, in all those year we have never reached to the said quantity though we are operating the plant full fledge. Hence ,we want to correct the quantity by mentioning the actual generation of quantity. , *In existing consent ETP sludge was not separated out as primary, secondary and tertiary quantity given was considering both. However, in proposed quantities are bifurcated.	-	-	-	-	-	-
10	Other wastes	-	-	-	-	-	-
11	Battery Waste	Not Specified	MT/A	-	0.5	0.5	MPCB authorized and registered Battery Recyclers
12	E-Waste	Not Specified	MT/A	-	0.5	0.5	MPCB authorized and registered E-Waste Recyclers
13	Biomedical Waste	Not Specified	Kg/M	-	12	12	Sale to authorized medical waste disposal facility
14	Non hazardous Waste:	-	-	-	-	-	-
15	Paper Waste	Not Specified	MT/A	-	0.5	0.5	Sale to authorized re-processors
16	STP Sludge	Not Specified	MT/A	3.5	-	3.5	Used as manure for gardening

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	Existing Boiler – 1 no. of 3 TPH	LDO/C9+: 4.6 TPD	1	30 m from ground	0.61	135 °C
2	Proposed Boiler – 1 no. of 5 TPH	LDO/C9+: 7.0 TPD	1	35 m from ground	0.6	135 °C
3	Existing Air Heater System – 1 No. of 5600 M3/hr.	LDO/C9+: 3.5 TPD	1	30 m from ground	0.6	135 °C

4	Proposed Hot oil System – 1 No. of 12 Lac Kcal/hr.	LDO/C9+: 3.8 TPD	1	30 m from ground	0.6	145 °C
5	Existing DG Set – 1 Nos. 1250 KVA,	HSD – 1091 lit/Day	1	30 m from ground	0.3	145 °C
6	Existing DG Set – 1 Nos. 1000 KVA	HSD- 873 lit/Day	1	7.5 m above enclosure	0.3	145 °C
7	Existing DG Set – 1 Nos. 500 KVA	HSD – 436 lit/Day	1	3.5 m above enclosure	0.3	145 °C
8	Proposed DG Set – 1 Nos. 2000 KVA	HSD – 1746 lit/Day	1	30 m	0.3	145 °C
9	Note: 1) We are purchasing steam from adjacent company (Dharamasi Morarji Chemical Company Limited.) on need and availability basis. DMCC is providing steam from their waste heat Boiler. Existing steam requirement 40 TPD and additional steam requirement after expansion will be 80 TPD. 2) Existing and proposed boiler will be run only when DMCC unable to provide the steam in case of contingency situation.	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO/C9+	8.1	10.8	18.9 TPD
2	HSD	2400 Lit/Day	1746 Lit/Day	4146 Lit/Day
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development

Total RG area :	24062 Sq. m
No of trees to be cut :	No
Number of trees to be planted :	Existing: 960 Nos. Proposed additional: 2650 Nos. Total: 4588 Nos.
List of proposed native trees :	Karanj, Erica Palm, Ashoka Banyan, Pimpal, Neem, Kadamb, etc.
Timeline for completion of plantation :	Existing green belt already developed and proposed with the construction of project within 3 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	Terminalia arjuna	(Arjun)	100	Pollution resistant and Native
2	Bauhinia racemosa	(Apta)	100	Pollution resistant and Native
3	Ficus benghalensis	(Vad)	100	Pollution resistant and Native
4	Ficus religiosa	(Pimpal)	100	Pollution resistant and Native
5	Ficuselastica	(Rubber)	100	Pollution resistant and Native
6	Plumeria Alba	(Chafa)	180	Pollution resistant and Native
7	Polyalthia longifolia	(Ashoka)	150	Pollution resistant and Native
8	Azadirachta indica	(Neem)	300	Pollution resistant and Native
9	Cassia fistula	(Bahava)	100	Pollution resistant and Native
10	Neolamarckia cadamba	(Kadamb)	100	Pollution resistant and Native
11	Teminalia tomentosa	(Ain)	140	Pollution resistant and Native
12	Lagerstroemia speciosa	(Taman)	150	Pollution resistant and Native
13	Albizia procera	(Shirish)	80	Pollution resistant and Native
14	Bauhinia purpuria	(Kanchan)	75	Pollution resistant and Native
15	Delonix regia	(Gulmohar)	75	Pollution resistant and Native
16	Acacia auriculiformis	(Babhul)	200	Pollution resistant and Native
17	Aegle marmelos	(Bel)	100	Pollution resistant and Native
18	Bridelia retusa	(Asan)	200	Pollution resistant and Native
19	Buchanania lanzan	(Teak)	100	Pollution resistant and Native
20	Butea monosperma	(Kanchan)	200	Pollution resistant and Native
21	Total quantity of plants on ground:	-	2650	-
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	In house
	DG set as Power back-up during construction phase	In house
	During Operation phase (Connected load):	Existing: Connected Load : 4408 KW Additional power required: 2500 KW Total power requirement (Connected Load) : 6908 KW
	During Operation phase (Demand load):	Existing: Operational Load: 1350 KW Proposed: Operational Load: 2000 KW, Total power requirement: (Operational Load) 3350 KW
	Transformer:	1500 KVA, 1000 KVA, 2 x 750
	DG set as Power back-up during operation phase:	Existing 3 Nos. of DG set having capacity 1250 KVA, 1000 KVA & 500 KVA and proposed will be 1 No of DG set having Capacity 2000 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

3.1 MWp solar power will be generated. This Solar generated power is transmitted to Solvay, Roha Plant through MSEDCL Grid (Open Access)

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	Provision of stacks &ESP / SCRUBBER / Bag Filter	Provision of stacks &ESP / SCRUBBER / Bag Filter
Water	WWTU /STP	Up gradation of ETP, Installation of RO, Evaporator
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF/Sale to Authorized re-processor	Disposal to CHWTSDF/ Sale to Authorized re-processor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2328 Lacs
	O & M cost:	254.53 lacs/ Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	1.00
2	Debris	Solid Waste	1.00
3	Construction equipment	Solid Waste	0.50

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 of height as recommended by CPCB • ESP / SCRUBBER / Bag Filter	700	27
2	Water pollution control	Up gradation of ETP & installation of RO, Evaporator	1600	125.33
3	Noise pollution Control	Acoustic enclosure and regular maintenance	20	27.2
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	50	8
5	Environmental Monitoring Budget	Environmental Monitoring	18	11.45
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	8	75
7	Green belt	Development & Maintenance	6	15
8	Total	-	2402	288.98

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
2 EH (2 Ethyl Hexenol)	Liquid	Tank Farm	20 MT	20	350	Local	By Road
Alcohol Ethoxylates (1M, 2M, 2.5M, 2M NAT,4M)	Liquid	Tank Farm	100 MT	440	500	Local	By Road
Alpha Olefine	Liquid	Tank Farm	100 KL	300 MT	4000	Import	By Road
Bricor 70 A	Liquid	Tank Farm	1000KG	90	1200	Import	By Road
Caustic Lye 48%	Liquid	Tank Farm	60	120	3500	Local	By Road
Lauryl ethoxylatedalchol (LAE) C12-16	Liquid	Tank Farm	20	40	100	Local	By Road
LAB (Linear Alkyl Benzene)	Liquid	Tank Farm	90	90	3500	Local	By Road
Lauryl Di Methyl Amine (LDMA)	Liquid	Tank Farm	40 kl	40	674	Local	By Road
Liquid SO3	Liquid	Tank Farm	15	15	1200	Local	By Road

Liquor Ammonium Hydroxide	Liquid	Tank Farm	35	35	190	Local	By Road
Octadecyl Alcohol Ethoxilated	Liquid	Ware house	200 kg	10	2000	Local	By Road
Sulphur	Solid / Liquid	Tank farm	150 Mt	150	2000	Local	By Road
Tri Decyl Alcohol Ethoxylated	Liquid	Ware house	200 KG	15	2000	Local	By Road
DPA (Di phenyl Amine)	Liquid	Tank farm	150 MT	150	2810	Local	By Road
Styrene	Liquid	Tank farm	35 MT	35	470	Local	By Road
Solvent D-40	Liquid	Tank farm	35 MT	35	122	Local	By Road
Di iso butylene	Liquid	Tank farm	130 MT	130	1550	Local	By Road
Alpha methyl styrene	Liquid	Tank farm	35 MT	35	590	Local	By Road
Nonane	Liquid	Tank farm	200 MT	200	920	Local	By Road
Formaldehyde	Liquid	Tank farm	15 MT	15	82	Local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	7350.55 Sq. m
	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
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 5 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1

	Court cases pending if any	No
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2019

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 ZLD treatment for 42.2 KLD effluent and proposes to discharge 66 KLD to the CETP. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on 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 ZLD treatment for 42.2 KLD effluent and proposes to discharge 66 KLD to the CETP.
Drainage pattern of the project	PP considered contour levels during design of 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 project is 3350 KVA which will be supplied by MSEDCL. PP proposes one DG set of capacity 2000 KVA along with existing 3 DG sets 1250 KVA, 1000 KVA & 500 KVA
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP propsoes to develop 33% green belt within the premsies.
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 proposes Rs. 2.50 Lakhs during construction phase and Rs. 2402.00 Lakhs as capital cost and Rs. 288.98 Lakhs as recurring EMP cost for the maintenance of environmental parameters during operation phase.
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

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

The State has obtianed clarification from MoEF&CC vide letter dated 04.02.2019 which reads as below,

" Dhatav village has been identified as a part of eco-sensitive area as per the Ministrys draft Notification S.O. No. 2435 dated 04.09.2015. However, since the notification is still in the draft stage, proposals pertaining to Dhatav were not accepted in the Ministry and were advised to be taken up by the concerned SEAC/SEIAA. Now it has been informed that, the concerend Authorities in the State of Maharashtra are also not accepting the proposals on the grounds that there are no clear directions from the Ministry on the subject.

In view of above, it is clarified that, such proposals be considered for environmental clearance as per the provisions of the EIA Notification, 2006, which clearly provides for applicability of General Conditions in respect of eco-sensitive areas notified under sub-section (2) of Section 3 of the Environment (Protection) Act, 1986."

SEIAA also accorded approval vide file No SEAC-2019/CR-12/SEAC-1 to consider the proposal from Dhatav area under category B as clarified by the MoEF&CC vide above communication.

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

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.

PP to submit certified copy of compliance of earlier EC No. J-11011/1326/2007-IA-II(I) dated 06.06.2008 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017

The proposal was considered in the 168th B meeting of SEAC-1 held on 19.09.2019 wehrein ToR was grnated to the PP with following additional ToR points,

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.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles/association.

2. PP to submit lay out plan showing internal roads with minimum 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 include capping to the individual product in the column No. 31 of the Consolidated Statement.

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 product wise 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 existing ETP and proposed zero liquid discharge ETP in the EIA report.

8. PP to submit copy of permission of CETP to discharge 66 CMD water to the CETP.

9. PP to prepare the Legal Register with respect to compliance of various Acts , Rules and Regulations applicable to the manufacturing activities.

10. PP to carry out HAZOP and QRA and submit disaster management plan.

11. 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.

12. 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.

13. PP to include water and carbon foot print monitoring in the EMP.

14. PP to submit hazardous chemical handling protocol

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 that, the uniform information is given in the Form-I/II, EIA/EMP report, presentation and consolidated statement.

PP submitted EIA/EMP report for appraisal.

The proposal was again considered in the 173rd meeting of SEAC-1 wherein the proposal was deferred with following remarks,

"During deliberarions it was obsereved that, the ownership of the plot changed many times along with the transfer of EC and consents . PP was not able to present the chronology properly. SEAC-1 decided to defer the proposal till PP to submits detailed chronology of the changes in the ownership of the plots, consents & EC issued along with production quantities."

Now PP submitted the details as mentioned above.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to shift weigh bridge located on the road to the edge of the road to ensure uninterrupted vehicular movement.
2) PP to carry out physio chemical analysis of ETP sludge and obtain NOC from the competent Authority for its suitability to use as manure.
3) PP to prepare standard operating procedure for storage, handling and use of Ethylene Oxide and Propylene Oxide in English and Marathi language and provide training to all employees.
4) PP to submit commitment for compliance of all the recommendations of HAZOP and Risk Assessment report.
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.

FINAL RECOMMENDATION

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

176th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 176 **Meeting Date** January 27, 2020

Subject: Environment Clearance for Bharat Chemicals, Plot No. L-13, 28, 29 and 30, Tarapur, Maharashtra

Is a Violation Case: No

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	Expansion in manufacture of Synthetic Organic Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Paresh Shah
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. L-13, 28, 29 and 30
9.Taluka	Palghar
10.Village	Kolwade
11.Whether in Corporation / Municipal / other area	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2116
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.)	4008 m2
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.): Not applicable
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	261900000

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)	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Paracetamol	125	1000	1125
2	Para Nitro Phenol and salt	10	00	10
3	Caffeine	90	210	300
4	Mefanamic Acid	10	-10	00
5	Chlorozoxasone Hydrochloride	25	-25	00
6	Albendazole	5	-5	00
7	Other Bulk Drug Product Mix	5	-5	00

32.Total Water Requirement

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

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	7	4	11	2	1	3	5	3	8
Industrial Process	23	127	150	4	118	122	19	9	28
Cooling tower & thermopack	50	291	341	47	234	281	3	57	60
Gardening	5	0	5	5	0	5	0	0	0

Fresh water requirement	85	422	507	58	353	411	27	69	96

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	There are 2 nos. of underground tanks having capacities 140000 m3 and 15000 m3 respectively. Both are used for water storage.

35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	**Sewage generation in KLD:**	Existing: 7, Proposed: 4, Total: 11
	STP technology:	Primary, Secondary, Tertiary
	Capacity of STP (CMD):	one no. of STP, having capacity of 10 KLD
	Location & area of the STP:	near to ETP
	Budgetary allocation (Capital cost):	8 lakhs
	Budgetary allocation (O & M cost):	20000 per month

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:**	NA
	Wet waste:	Activated carbon sludge: 504 TPA, ETP Sludge: 4.8 TPA
	Hazardous waste:	508.8 MT/A
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	MWML Taloja
	Hazardous waste:	MWML Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.9 kg/day
	Others if any:	NA
Area requirement:	**Location(s):**	Plant area, RM & Product storages area, ETP & STP, Office Building, Parking, Internal road, Green belt
	Area for the storage of waste & other material:	486 m2
	Area for machinery:	1267 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Existing: 5.50 Cr., Proposed: 7.00 Cr., Total: 12.50 Cr.
	O & M cost:	1.80 Cr.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	4 - 5	7 - 8.5	5.5 - 9
2	TDS	mg/l	3000 - 4000	1800-2000	below 2100
3	BOD	mg/l	2500 - 3000	60-80	below 100
4	COD	mg/l	5000 - 6000	180-200	below 250
5	TSS	mg/l	300 - 400	70-90	below 100

Amount of effluent generation (CMD):	85
Capacity of the ETP:	150 CMD
Amount of treated effluent recycled :	199 CMD
Amount of water send to the CETP:	23
Membership of CETP (if require):	Yes
Note on ETP technology to be used	ETP, MEE, RO
Disposal of the ETP sludge	MWML Taloja

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Activated carbon sludge	28.2	TPA	120	384	504	MWML Taloja
2	ETP Sludge	34.3	TPA	2.4	2.4	4.8	MWML 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	Existing: DG set (125 KVA)	Diesel, 32 kg/hr	1	2.3	0.15	150
2	Proposed: DG set (800 KVA)	Diesel, 210 kg/hr	2	5.7	0.15	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	32 kg/hr	210 kg/hr	242 kg/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	500
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	10
	Timeline for completion of plantation :	6 months after grant of EC

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	Ficus religiosa	Pimpal	7	Dust resistant and local variety
2	Polyalthia longifolia	False Ashok	8	Sound barrier and local variety
3	Azardirachta indica	Neem	6	Dust resistant and medicinal value
4	Anthosephalus cadamba	Kadamb	9	Dust barrier and local variety
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 :**	MSEDC
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	600
	During Operation phase (Demand load):	1000
	Transformer:	Existing: 750 KVA, Proposed: 250 KVA
	DG set as Power back-up during operation phase:	Existing: 125 KVA, Proposed: 800 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

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
DG set	adequate stack height	adequate stack height

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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 control	2 nos. of stack	4.5	1.2
2	Water pollution	ETP	6.0	2.0
3	Noise	Acoustic enclosure	3.0	0.5
4	Process emissions	3 nos. of scrubbers	5.0	2.0

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
Para Amino Phenol	Solid	Bags	50.0	50.0	50.0	Local	By Road
Acetic Anhydride/ Acetic Acid	Liquid	Tank farm	100.000.0	100.0	100.0	Local	By Road
Soda ash	Solid	Bags	20.0	20.0	20.0	Local	By Road
Activated Carbon	Solid	Bags	01.0	01.0	01.0	Local	By Road
Para Nitro Chloro Benzene	Solid	Bags	11.5	11.5	11.5	Local	By Road
Caustic soda lye	Liquid	Tank farm	14.0	14.0	14.0	Local	By Road
Sulphuric acid	Liquid	Tank farm	25.0	25.0	25.0	Local	By Road
Theophylline crude/ Theophylinate crude	Solid	Bags	90.0	90.0	90.0	Local	By Road
Di-methyl sulfate	Liquid	Tank farm	77.0	77.0	77.0	Local	By Road
Hydrochloric acid	Liquid	Tank farm	77.0	77.0	77.0	Local	By Road
Activated Carbon	Solid	Bags	09.0	09.0	09.0	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:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA

	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	5f B-1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-03-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
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 of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015.

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

PP informed that they have started the production activity from the year 1982 and they have increased their production capacity up to 270 Tons in the year 2007 without obtaining prior Environment Clearance. PP informed that they have submitted the No Pollution Load Certificate to the State Pollution Control Board as per Office Memorandum issued by MoEF&CC dated 04.12.2006 hence Environment Clearance condition was waived.

SEAC-1 prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

1. PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.

2. PP to submit their plan to achieve 33% of green belt as per National Forest Policy.

3. PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

4. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

5. PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises.

6. PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.

Now PP submitted EIA/EMP report for appraisal. The proposal is considered for appraisal in view of the OM issued by MoEF&CC on 30.12.2019.

DECISION OF SEAC

During deliberations it was obsereved that, the proposed project is located in the Critically Polluted area identified by the CPCB.

PP is not having adequate space within the premises to provide 40% green belt.

In view of above, SEAC-1 decided to defer the proposal till PP submits revised layout and submission of information with respect to the stringent mitigation measures as stipulated in the OM issued by MoEF&CC dated 30.12.2019.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
4) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
5) PP to submit an affidavit for achieving Zero Liquid Discharge and not discharging any additional load on CETP or in any other source outside the limits of factory premises.
6) PP to include detailed water balance chart in EIA report along with quantities of waste water generation and its disposal.

FINAL RECOMMENDATION

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