


Agenda for 135th Meeting of SEIAA

SEIAA Meeting number: 135 Meeting Date August 10, 2018

Subject: Environment Clearance for Proposed Establishment of Synthetic Organic Chemicals Manufacturing Facility By Aarav Fragrances & Flavors Pvt. Ltd., Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai

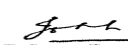
Is a Violation Case: No

1.Name of Project	Proposed Establishment of Synthetic Organic Chemicals Manufacturing Facility By Aarav Fragrances & Flavors Pvt. Ltd., Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai
2.Type of institution	Private
3.Name of Project Proponent	Aarav Fragrances & Flavors Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Establishment within existing project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable. Existing facility is for R & D, blending & formulation which does not falls under EIA notification, 2006.
8.Location of the project	Plot No.: C-61, Road No. RC-1, Thane Belapur road, MIDC Pawane, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Navi Mumbai
Correspondence Name:	Mr. Shailesh Deshmukh
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	Mumbai
11.Area of the project	MIDC Pawane
12.IOD/IOA/Concession/Plan Approval Number	MIDC approved plot plan
	IOD/IOA/Concession/Plan Approval Number: MIDC Plot plan approval
	Approved Built-up Area: 1711
13.Note on the initiated work (If applicable)	Existing facility is for R & D, blending & formulation. Proposed project will be established within existing facility. The site is already constructed & minor modifications require for proposed project establishment.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approved plot plan
15.Total Plot Area (sq. m.)	4050 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): 1711
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	25100000


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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23. Number of tenants and shops	Not applicable		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 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	Existing facility is for R & D, blending & formulation. The proposed project will be established with minor modification in existing facility.		
30. Details of the demolition with disposal (If applicable)	Not applicable		

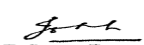
31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Research and Development pilot plant	--	--	--
2	Blending / Formulation of fragrances / perfumes and flavors	80 TPM	--	80 TPM
3	Perfumery & Flavor Esters Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
4	Perfumery & Flavor Alcohol Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
5	Perfumery & Flavor Aldehyde and Aldehyde derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)


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6	Dimerization and Trimerization of simple olefins Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
7	Ketals / Acetals / substituted 1,3-propanediols Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
8	Macro cyclic and polycyclic musks derived from propylene/ butadiene and other propylene derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
9	Aldehydes & Ketones by Aldol Condensation Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
10	Acetylene and other alkyne derivatives Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
11	Cyclo Alkylation/Acetylation, Diel Alders Reactions: Cyclization Reaction, Etherification of Alkyl Halide and Alcohol, Epoxidation of Alkenes /Friedel Craft Reactions Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
12	Hydrogenation Products in various grades	--	372 TPM	372 TPM (single or group of products can be manufactured within 372 TPM)
13	Inorganic Salts (Low stream products)	--	50 TPM	50 TPM
14	Total	80 TPM	422 TPM	502 TPM
32.Total Water Requirement				

Dry season:	Source of water	MIDC
	Fresh water (CMD):	57
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1	5	6	0	0	0	1	5	6
Industrial Process	6	13	19	1	1	2	5	12	17
Cooling tower & thermopack	0.5	23.5	24	0.5	16.5	17	0	7	7
Gardening	0	8	8	0	8	8	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	adequate size of tank will be provided.
	Location of the RWH tank(s):	within plant
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	5 Lakhs
	Budgetary allocation (O & M cost) :	1 Lakhs
	Details of UGT tanks if any :	--

35.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--


36.Sewage and Waste water	Sewage generation in KLD:	6
	STP technology:	--
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

37.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	No major construction waste, as project involves minor modification of existing unit.
	Disposal of the construction waste debris:	--
Waste generation in the operation Phase:	Dry waste:	Distillation Residue, Discarded containers/ barrels / liners, Contaminated Bags/ Cotton Rags, Spent Catalyst
	Wet waste:	Sludge and filters contaminated with oil, Waste residue containing oil, Spent acid, Used/ Spent oil, Chemical sludge from waste water treatment
	Hazardous waste:	Distillation Residue, Discarded containers/ barrels / liners, Contaminated Bags/ Cotton Rags, Spent Catalyst, Sludge and filters contaminated with oil, Waste residue containing oil, Spent acid, Used/ Spent oil, Chemical sludge from waste water treatment
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--
Mode of Disposal of waste:	Dry waste:	To CHWTSDF/ Sale to authorized recycler
	Wet waste:	To CHWTSDF/ Sale to authorized recycler
	Hazardous waste:	To CHWTSDF/ Sale to authorized recycler
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	--
	Others if any:	--
Area requirement:	Location(s):	within site
	Area for the storage of waste & other material:	as per requirement
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

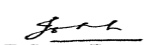
38.Effluent Charecteristics

Serial Number	Parameters	Unit	Inlet Effluent Charecteristics	Outlet Effluent Charecteristics	Effluent discharge standards (MPCB)
1	pH	--	4 to 6	6.5 to 9	6.5 to 9
2	Chemical oxygen Demand	mg/L	6000 to 7000	< 250	< 250
3	Biological oxygen demand	mg/L	2500 to 3000	< 100	< 100
4	Total Dissolved solids	mg/L	4000 to 6000	< 2100	< 2100
5	Total Suspended solids	mg/L	200 to 300	< 100	< 100
6	Oil & Grease	mg/L	20 to 30	, 10	< 10
Amount of effluent generation (CMD):		30 cmd			
Capacity of the ETP:		30 cmd			


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Amount of treated effluent recycled :	Nil. Treated effluent will be sent to CETP for disposal.
Amount of water send to the CETP:	30 cmd
Membership of CETP (if require):	Yes. Unit is already member of CETP.
Note on ETP technology to be used	Collection tank > O & G trap > Neutralization tank > Settling tank > Pri. clarifier > Aeration tank > Sec. clarifier > Pressure sand filter > Activated carbon filter > Treated effluent collction tank > Discharge to CETP
Disposal of the ETP sludge	to CHWTSDF.

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39. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and filters contaminated with oil	3.1	kg/ month	100	3360	3460	To CHWTSDF
2	Used/Spent oil	5.1	kg/ month	2.4	2400	2402	Sale to authorized recycler
3	Waste residue containing oil	5.2	Ton/ month	0.1	12	12.1	Sale to authorized recycler
4	Distillation Residue	20.3	Ton/ month	--	16.2	16.2	Disposal to CHWTSDF
5	Spent acid	26.3	Ton/ month	--	16	16	Sell to authorized recycler
6	Discarded containers/barrels /liners	33.1	No./ month	1	200	201	sale to authorized recycler (after decontamination)
7	Contaminated Bags/ Cotton Rags Etc	33.2	Ton/ month	--	6	6	Disposal to CHWTSDF
8	Chemical sludge from waste water treatment	35.3	Ton/ month	0.010	10	10.010	CHWTSDF
9	Spent Catalyst	A68/A71	Ton/ month	--	6	6	Disposal by sales to registered recycler or sent back to manufacturer.

40. 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	Baby boiler (existing)	Furnace oil- 400 Lit/ day	1	25	as per norms	as per norms
2	Thermopak (existing)	LDO: 300 Lit/ day	2	25	as per norms	as per norms
3	3 Nos. of 1 TPH baby boiler (Proposed)	Furnace oil: 4600 kg/ day Or LDO: 4400 kg/day Or NG: 6000 Nm3/day	3	Common stack- 33 m	0.4	300
4	3 Lac kcal/Hr Thermic Fluid Heater (Proposed)	Furnace oil: 1000 kg/day Or LDO: 900 kg/day Or NG: 1100 Nm3/day	4	30	0.2	180
5	125 KVA DG set (existing)	HSD: 200 Lit/ day	5	2.5 m above roof	as per norms	as per norms
6	500 KVA DG set (Proposed)	HSD: 2400 Lit/ day	6	4.5 m above roof	as per norms	as per norms
7	66 KVA DG set (Proposed)	HSD: 320 Lit/ day	7	2 m above roof	as per norms	as per norms
8	Process stack (Proposed)	--	8	as per norms	as per norms	as per norms

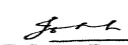
41. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil	400 Lit/ Day	5600 Lit/ Day	6000 Lit/ day


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2	LDO	260 kg/ Day	5300 Kg/ Day	5560 kg/ Day
3	Natural gas	--	7100 Nm3/ day	7100 Nm3/ day
4	HSD	200 Lit/ Day	2720 Lit/ day	2920 Lit/ Day
42.Source of Fuel		Nearby source		
43.Mode of Transportation of fuel to site		By road		

44.Green Belt Development	Total RG area :	Green belt: 1500 sq.m.
	No of trees to be cut :	--
	Number of trees to be planted :	--
	List of proposed native trees :	--
	Timeline for completion of plantation :	--

45.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	--	-	--	--

46.Total quantity of plants on ground

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

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

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48. Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	500 KVA
	DG set as Power back-up during construction phase	existing DG set
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	500 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	proposed 500 KVA DG set & 66 KVA DG set
	Fuel used:	Proposed additional fuel: HSD: 2720 Lit/ Day
	Details of high tension line passing through the plot if any:	--

49. Energy saving by non-conventional method:

--

50. Detail calculations & % of saving:

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

51. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Air pollution	Adequate Stack	Adequate stack
Water pollution	Effluent treatment plant	Effluent treatment plant
Hazardous waste generation	To CHWTSDF, Authorized recycler	To CHWTSDF, Authorized recycler
Noise pollution	Acoustic enclosure	Acoustic enclosure

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

52. Environmental Management plan Budgetary Allocation

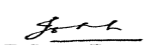
a) Construction phase (with Break-up):

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


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b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Stack & Process scrubber	10	3
2	Water pollution control	ETP	28	5
3	Environment monitoring and management	Environment monitoring	5	2
4	Occupational health and safety	Occupational health and safety	--	5
5	Green belt / plantation development	Green belt maintenance	--	5
6	Hazardous waste and solid waste management	Hazardous waste disposal	6	10
7	Other Green initiatives -	Rain water harvesting	5	1
8	Other Green initiatives -	Solar power / LED	2	1

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Furnace oil	Proposed	within plot	10 KL	10 KL	6 KL per Day	nearby source	by road

53. Any Other Information

No Information Available

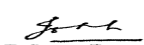
54. Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
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**Johny Joseph
Shri. Johny Joseph (Chairman SEIAA)**

Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	300 sq.m
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	minimum 6 m

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	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)- Category B
	Court cases pending if any	Not applicable
	Other Relevant Informations	The proposed products will be manufactured individual or in group within the quantity of 372 TPM. Total product (existing & proposed) : 502 TPM
	Have you previously submitted Application online on MOEF Website	Yes
	Date of online submission	10-03-2016
Brief information of the project by SEAC		

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PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 137th meeting of SEAC-I held on 14th to 18th October, 2016 wherein ToR was granted.

PP submitted the EIA/EMP report for appraisal in the 145th meeting of SEAC held on 30.12.2017 wherein proposal was deferred till the submission of compliance of following points,

1. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt (along with species and quantity of the local trees existing and proposed; PP to use drip irrigation for the gardening purpose), rain water harvesting etc.
2. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
3. PP to submit list of individual products and raw material to be used with their quantities.
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 provide lightning arrestor.
6. PP to ensure flameproof electrical fittings in all the process and storage areas.

Now PP submitted compliance report of above points.

DECISION OF SEAC

After detailed deliberation with PP and their accredited consultant, SEAC decided to recommend the proposal for prior environment clearance to the SEIAA subject to the compliance of following points.

Specific Conditions by SEAC:

- 1) PP to consider worst case scenario while designing all pollution control equipments.

SEIAA DECISION

PP has complied with the point raised in 151st meeting of SEAC-1.

SEIAA decided to grant EC.

Specific Conditions by SEIAA:

FINAL RECOMMENDATION

SEIAA have decided to grant the proposal for Prior Environmental Clearance subject to above conditions



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1 message

ENVIRONMENT CLEARANCE WEB PORTAL <portalsupport@mpcb.gov.in>

Sat, Sep 1, 2018 at 4:22 PM

Reply-To: portalsupport@mpcb.gov.in

To: shailesh.deshmukh@aarav.co

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