153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

Subject: Environment Clearance for Proposed Establishment of Common Effluent Treatment Plant (CETP) at Plot No P – 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra by Nasik CETP Foundation

Is a Violation Case: No

1.Name of Project	Proposed Establishment of Common Effluent Treatment Plant (CETP) at Plot No P – 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra by Nasik CETP Foundation
2.Type of institution	Private
3.Name of Project Proponent	Nashik CETP Foundation
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	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No P – 30, Ambad MIDC area, Village Ambad, Tehsil Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	Ambad
11.Area of the project	MIDC Ambad
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval
	IOD/IOA/Concession/Plan Approval Number: MIDC Plan approval
	Approved Built-up Area: 8900
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	8900 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 8900
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	110000000

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)	Min. 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	Not applicable. Proposed project is for establishment of CETP of 500 CMD.	0	0	0

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	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) :	12 cmd
	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	0	0.2	0	0	0.8	0.8
Industrial Process	0	11	11	0	5	5	0	6	6

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not applicable
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.8 CMD
	STP technology:	Not applicable. Sewage will be treated in proposed CETP.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of debris will be generate.
	Disposal of the construction waste debris:	Construction waste debris will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Boiler Ash: 0.500 MT/Day, Empty Containers (MS/Fibre Drums/Glass Bottles etc.): 100 Nos /Annum, Empty containers/ HDPE drums: 400 Nos./ Annum, HDPE bags: 10 MT / Annum, Paper waste: 1 MT/Annum
	Wet waste:	--
	Hazardous waste:	Chemical sludge: 365 T/Annum, Spent Carbon: 5 T/Annum
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Boiler Ash: Landfill / brick manufacturer, Empty Containers (MS/Fibre Drums/Glass Bottles etc.): After decontamination Sold to scrap dealers, Empty Containers HDPE Drums: After decontamination Sold to scrap dealers., HDPE bags.: After decontamination Sold to scrap dealers, paper waste: Sold to scrap dealers
	Wet waste:	--
	Hazardous waste:	Chemical sludge: For landfill to approved CHWTSDF site, Spent Carbon: For landfill to approved CHWTSDF site
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	As per requirement
	Area for the storage of waste & other material:	As per requirememt
	Area for machinery:	--

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details will be given in EIA report
	O & M cost:	Details will be given in EIA report

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	--	6-9	6-9
2	Total Suspended Solids	mg/L	130	100	100
3	Bio-Chemical Oxygen Demand (B.O.D)3 days	mg/L	NA	100	100
4	Chemical Oxygen Demand (C.O.D)	mg/L	800-1200	250	250
5	Chlorides	mg/L	600-900	1000	1000
6	Sulphates	mg/L	85 to 100	1000	1000
7	Oil & Grease	mg/L	<10	10	10
8	Phosphates asPO4	mg/L	20 to 50	Not Specified	Not Specified
9	Copper as Cu	mg/L	10 to 12	3	3
10	Tin	mg/L	2 to 5	Not Specified	Not Specified
11	Cadmium	mg/L	Traces	Not Specified	Not Specified
12	Silver	mg/L	Traces	Not Specified	Not Specified
13	Aluminum	mg/L	1 to 5	Not Specified	Not Specified
14	Chromium	mg/L	50 to 130	2	2
15	Cyanide	mg/L	5 to 10	Not Specified	Not Specified
16	Iron	mg/L	40 to 50	3	3
17	Zinc	mg/L	70 to 100	15	15
18	Nickel	mg/L	15 to 20	Not Specified	Not Specified
19	Total Dissolved Solids (TDS)	mg/L	2200 to 2500	2100	2100

Amount of effluent generation (CMD):	500
Capacity of the ETP:	500 cmd
Amount of treated effluent recycled :	partly recycle
Amount of water send to the CETP:	Not applicable.
Membership of CETP (if require):	Not applicable. Proposed project is establishment of CETP.
Note on ETP technology to be used	pH correction > Chromium & Cyanide treatment > Neutralization > Common equalization > Flocculator > Primary clarifier > Pressure Sand filter > Activated carbon filter > UF system > RO system > MEE system > ATFD system
Disposal of the ETP sludge	To CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from wastewater treatment	35.3	TPA	0	365	365	For Landfill to CHWTSDF
2	Spent carbon	36.2	TPA	0	5	5	For Landfill 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 boiler of 1500 kg/hr (6 barg steam)	Briquette ~ 6 T/day	1	as per norms	as per norms	as per norms
2	DG set 100 KVA	HSD ~ 22 Litres / hr	2	as per norms	as per norms	as per norms

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	0	6 TPD	6 TPD
2	HSD	0	22 Litres / hr	22 Litres / hr
41.Source of Fuel		From nearby source		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	As per MIDC norms
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	As per green belt area
	List of proposed native trees :	Details will be given in EIA report
	Timeline for completion of plantation :	As per project implementation planning

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	from MSEDCL
	During Construction Phase: (Demand Load)	200 KVA
	DG set as Power back-up during construction phase	DG set: 100 KVA
	During Operation phase (Connected load):	200 KVA
	During Operation phase (Demand load):	200 KVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	DG set: 100 KVA
	Fuel used:	HSD ~ 22 Litres / hr
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Details will be given in EIA report

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution	Not applicable	Adequate stack height
Water pollution	Not applicable	ETP, UF system, RO system, MEE system, ATFD system
Hazardous waste generation	Not applicable	disposal to CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Details will be given in EIA report
	O & M cost:	Details will be given 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	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report	Details will be given 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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	As per MIDC norms
	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):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	7 (h)
	Court cases pending if any	Not applicable

	Other Relevant Informations	Proposed project is establishment of Common effluent treatment plant within MIDC area. The total capacity of CETP is 500 cmd.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	04-07-2017

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 for effluent treatmentable
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	Project it self is a CETP project.
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Hazardous waste will be disposed off on CHWTSDF and non hazardous waste will be disposed off as per prevailing rules.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 200 KVA, which will be supplied by MSEDCL. PP also proposes to have 100 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide parking area as per MIDC norms.
Landscape Plan	PP proposes to provide 33% green blet on site.
Disaster management system and risk assessment	PP submitted disaster management plan along with mitigation measures.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP provided details of EMP and its cost in the EIA report.
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 7(h)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the proposed project 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 proposal was considered in 142nd meeting of SEAC-1 held on 13.09.2017

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.

1. PP to submit registration documents of CETP foundation.

2. PP to submit copy of DPR approved by NEERI on the web site.

3. PP to submit layout plan shoeing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.

4. PP proposes the transport of raw effleunt by tankers as the industries are small scale and the topography is difficult. PP to submit a justification from MIDC/Competent Authority as to why pipe line for transport of raw effluent from industry to the CETP is not possible.

5. PP to include plan for ultimate dispsoal of sludge containing heavy metals.

6. PP to submit their plan for dispsoal of treated effluent in the EIA/EMP report.

7. PP to provide 100% energy back up to the CETP as it is an emergency facility.

8. PP to explore possibility to recover heavy metals like chromium, cyanide, silver, zinc etc.

Now PP submitted EIA/EMP reprot.

DECISION OF SEAC

After detailed deliberations with the PP and their accridited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance.

Specific Conditions by SEAC:

1) PP to prepare an SOP for receiving uniform quality of effluent from all the member industries as per parameters stipulated in the consents.
2) PP to ensure no leakage of effluent carrying vehicles and include the plan to mitigate any unforeseen incident of leakages in the Disaster Management Plan.
3) PP to provide color-coding to the vehicles collecting effluent from member industries as per various qualities of the effluent with respect to the heavy metals.
4) PP to submit an affidavit for not discharging any waste (solid or liquid) outside the premises of CETP. It will be a complete ZLD plant

FINAL RECOMMENDATION

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

153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

Subject: Environment Clearance for Chemical Maufacturing Plant- DMSS INFRA (INDIA) PRIVATE LIMITED

Is a Violation Case: No

1.Name of Project	DMSS INFRA (INDIA) PRIVATE LIMITED
2.Type of institution	Private
3.Name of Project Proponent	Mr. Jayesh Ashok Jakhete, Mr. Jagadish Hari Pardeshi and Mr. Nilesh Subhash Upasani
4.Name of Consultant	Ultra-Tech
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. FS- 36
9.Taluka	Mahad
10.Village	Birwadi
Correspondence Name:	301,3rd Floor, Kapil TowerA, Near old RTO office, Pune
Room Number:	NA
Floor:	3rd
Building Name:	Kapil Tower A
Road/Street Name:	--
Locality:	Indian
City:	Pune
11.Area of the project	Project located at Mahad MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	8000
16.Deductions	NA
17.Net Plot area	8000
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):**
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	0
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0
21.Estimated cost of the project	747.53

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	NA
24.Number of expected residents / users	50
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)	9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9-12m
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	Gluconate-1) Zinc Gluconate	0	150	150
2	Gluconate-2) Ferrous Gluconate	0	160	160
3	Gluconate-3) Magnesium Gluconate	0	100	100
4	Gluconate- 4)Calcium Lactate Gluconate	0	650	650
5	Lactates- 5) Calcium Lactate	0	70	70
6	Lactates-6) Magnesium Lactate EP grade	0	100	100
7	Lactates-7) Zinc Lactate	0	250	250
8	Orotates- 8) Calcium Orotate	0	100	100
9	Orotates- 9) Magnesium Orotate	0	150	150
10	Ascorbates-10) Calcium Ascorbate (Req ATFD)	0	160	160
11	11) Zinc Ascorbate	0	200	200

12	12) Iron Sucrose	0	36	36
13	13) lrom Polymatose	0	160	160
14	14) calcium Citrate	0	120	120
15	15) Calcium Acetate	0	200	200
16	16) Feric Pyrophosphate	0	200	200
17	17) Ferric Carboxy Maltose	0	5.5	5.5
18	18) Zinc PCA	0	240	240
19	19) Saligin PP (Propylparaben)	0	900	900
20	20) Saligin MP (Metylparaben)	0	900	900

32.Total Water Requirement

Dry season:	**Source of water**	MIDC Mahade
	Fresh water (CMD):	45.5
	Recycled water - Flushing (CMD):	29.5 reused for Process & utility
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	75
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	NA
Wet season:	**Source of water**	MIDC Mahade
	Fresh water (CMD):	45.5
	Recycled water - Flushing (CMD):	29.5 reused for Process & utility
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	75
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	100
	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	0	8	8	0	0	0	0	6	2
Industrial Process	0	26.5	26.5	0	11.5	11.5	0	12	12
Gardening	0	10	10	0	0	0	0	0	0
Industrial Process	0	30.5 Lab & utility	30.5	0	5	5	0	10.5	10.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10-15 m
	Size and no of RWH tank(s) and Quantity:	50 cum
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 10.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3.00 Lakhs /Annum
	Details of UGT tanks if any :	5 cum
35.Storm water drainage	**Natural water drainage pattern:**	Towards SW
	Quantity of storm water:	100 m3/hr. max.
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	1
	STP technology:	NA
	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:**	16 kg/day
	Wet waste:	8 kg/day
	Hazardous waste:	Coal Ash-75 kg/d, DRUMS, HDPE BAGS, LDPE BAGS SALE TO RECYCLERS AND RESELLERS - 100 Nos. day
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized recycler
	Wet waste:	composting
	Hazardous waste:	Disposal at CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as mannure
	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	pH	-	6-8	6-8	5.5-9
2	COD	mg/l	2500	250	250
3	BOD	mg/l	500	100	100
4	TSS	mg/l	250	100	100
5	TDS	mg/l	5000	2000	2000
6	oil & grease	mg/l	10	5	5

Amount of effluent generation (CMD):	24.5
Capacity of the ETP:	35
Amount of treated effluent recycled :	29.5
Amount of water send to the CETP:	--
Membership of CETP (if require):	applied

Note on ETP technology to be used	Effluent is collected in the collection tank (RCC Brick line underground tank). The collected effluent is then sent for Neutralisation tank, where pH is maintained of the effluent. Neutralisation is done with Hydrated Lime under constant stirring. The neutral water is then clarified in Primary Clarifier. The sludge is the sent to sludge bed where it is dried and Gypsum is formed. The gypsum is sold as by-product or is disposed off to CHWTSDF. Filtrate from Primary Clarifier is sent for Biologica
Disposal of the ETP sludge	Sent to CHW-TSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	34.3 Chemical sludge from waste water treatment	NA	0	0.3 MT/day	0.3 MT/day	Sent to CHW-TSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Stack attached to Boiler	coal	1	30	1.2	190

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	coal	NA	coal	coal
41.Source of Fuel		Authorized vendor		
42.Mode of Transportation of fuel to site		by road		

43.Green Belt Development

Total RG area :	2640
No of trees to be cut :	NA
Number of trees to be planted :	400
List of proposed native trees :	all native trees
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	Azadirachtaindica	Neem	20	Large tree, good for roadside plantation
2	Anthocephaluskadamba	Kadamba	40	Shady, large tree, ball shaped flowers.
3	Alstonia scholars	Saptaparni	30	Shady, large evergreen Tree, white fragrant flowers

4	Cassia fistula	Bahava	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Mesuaferra	Nagchampa	20	It known for its fragrant flowers
6	Micheliachampaca	Champa	25	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
7	Mimusopselengi	Bakul	30	Shady tree, small white fragrant flowers
8	Pongamiapinnata	Karanj	25	Shady tree.
9	Bauhineablackeana	Apta / Kanchan	20	Small tree with small white flowers, Butterfly host plant
10	Saracaasoca Delonixregia	Sita Ashok	20	Shady tree with red-yellow flowers.
11	Tectona grandis	Teak	45	tropical hardwood tree species placed in the flowering plant family Lamiaceae
12	Delonixregia	GUlmohor	20	flowering plant
13	Sesamum indicum	Seasam	25	flowering plant
14	Gardenia jasminoides	Ananta	25	flowering plant
15	Calistemonlanceolatus	Bottle Brush	35	flowering plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	1142400 KWH
	During Operation phase (Demand load):	50 KVA
	Transformer:	1 No.
	DG set as Power back-up during operation phase:	350 KVA
	Fuel used:	Diesel
	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
ETP	-	proposed 30 KLD
STack	-	proposed for boiler & DG

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression Air & Noise Monitoring	1.44
2	Water	Tanker Water For Construction Water Monitoring	6.48
3	Land	Site Sanitation-	4.00
4	Biological	Gardening Set Up and top soil preservation	3.00
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creches For Children Personal Protective Equipment	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Emission control	Stack	15.00	10.00
2	Water & Wastewater management	ETP	50.00	5.00
3	Solid Waste	--	5.00	2.00
4	Green Belt Development	Green Belt Development	5.00	2.00
5	Monitoring	MOEF&CC	--	1.00
6	Contingency	--	3	2

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
GDL	Solid	--	60.00	60.00	72.00	Local	by road
Zink Oxide	Solid	--	5.00	5.00	6.00	Local	by road
Ferric Oxide	Solid	--	5.00	5.00	6.00	Local	by road
Magnesium Oxide	Solid	--	5.00	5.00	6.00	Local	by road
Lactic acid	Soild	--	10.00	10.00	12.00	Local	by road
Calcium Oxide	Solid	--	5.00	5.00	6.00	Local	by road
Orotic Acid	Solid	--	10.00	10.00	12.00	Imported	-
AscorbicAcid	Solid	--	5.00	5.00	6.00	Local	by road
FerricChloride	Solid	--	2.00	2.00	2.4	Local	by road
Sucrose	Solid	--	5.00	5.00	6.00	Local	by road
NaoH	Liquid	--	5.00	5.00	6.00	Local	by road
Maltodextrin	Solid	--	5.00	5.00	6.00	Local	by road
CitricAcid	Solid	--	5.00	5.00	6.00	Local	by road
AceticAcid	Solid	--	5.00	5.00	6.00	Local	by road
HydrobenzoicAcid	Solid	--	5.00	5.00	6.00	Imported	--
Propanol	Solid	--	5.00	5.00	6.00	Local	by road
Methanol	Solid						

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	960
	Area per car:	12.00m
	Area per car:	12.00m
	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):	6-9 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) BCat.
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
36-Sewage and waste water	Sewage generation in KLD: 1	Sewage generation in KLD: 2
31.Production Details	12.Iron Sucrose (Existing-0, Proposed 36MT/M, Total 36MT/M)	Cancel from Production List
31.Production Details	13. Iron Polymatose (Existing-0, Proposed 160MT/M, Total 160MT/M)	Cancel from Production List
31. Prodution Details	15. Calcium Acetate (Existing-0, Proposed 200MT/M, Total 200MT/M)	Cancel from Production List
31. Prodution Details	16. Feric Pyrophosphate (Existing-0, Proposed 200MT/M, Total 200MT/M)	Cancel from Production List
31. Prodution Details	17. Ferric Carboxy Maltose(Existing-0, Proposed 5.5MT/M, Total 5.5MT/M)	Cancel from Production List
31. Prodution Details	18. Zinc PCA (Existing-0, Proposed 240MT/M, Total 240MT/M)	Cancel from Production List
33. Details of Total water consumption	"Water Requirment -Domestic Proposed loss=0, Total Loss =0, Proposed Effluent =6, Total effluent = 2"	"Water Requirment -Domestic Proposed loss=6, Total Loss =6, Proposed Effluent =2, Total effluent = 2"
33. Details of Total water consumption	Industrial Process: Proposed Loss 11.5, Total Loss = 11.5	Industrial Process: Proposed Loss 3, Total Loss = 3
33. Details of Total water consumption	Gardening : Proposed =0, Total =0	Gardening : Proposed =10, Total =10
36. Sewage and waste water	Sewage generation in KLD =1	Sewage generation in KLD =2
37. Solid Waste Management	wet waste: 8 kg/d	wet waste: 7 kg/d

37. Solid Waste Management	Waste generation in the operation phase Hazardous waste:Coal Ash: 75kg/d, Drums, HDPE Bags, LDPE Bags sale to recyclers and recellers =100 Nos. day	Waste generation in the operation phase Hazardous waste: Drums, HDPE Bags, LDPE Bags sale to recyclers and recellers =100 Nos. /day, ETP Sludge=0.3 T/day, Oil & Grease =0.25 kg/day
37. Solid Waste Management	Mode of Disposal of waste: Hazardous waste: Disposal at CHWTSDF	Mode of Disposal of waste: Hazardous waste: Disposal at CHWTSDF & handed over to Recyclers & Resellers
38. Effluent Characteristics	Amount of water send to the CETP= ---	Amount of water send to the CETP= 24.5 m3/day
39. Hazardous waste details	1) ETP Sludge- Proposed 0.3 MT/d, Total 0.3 MT/d, Methos of disposal- sent to CHWTSDF	1) ETP Sludge- Existing =0 Proposed 0.3 MT/d, Total 0.3 MT/d-Methos of disposal- sent to CHWTSDF 2) Drum, HDPE bags, LDPE Bags - Existing =0, Proposed 100 Nos.Total 100 Nos. - Methos of disposal- sent to CHWTSDF 3) Oil & Grease waste- Existing=0, Proposed 0.25 kg/d, Total 0.25 kg/d - Methos of disposal- sent to CHWTSDF
40. Stacks Emission details	Fuel used with Quantity= coal	Fuel used with Quantity= coal = 540 kg/d/ briquettes=600 kg/d
41.Details of Fuel to be used	Type of fuel= coal, Existing =NA, Proposed =coal, Total=coal	Type of fuel= coal briquettes, Existing =NA, Proposed =coal/briquettes, Total=coal/briquettes
48. Energy	During Operation phase (Connected load)=1142400 KWH	During Operation phase (Connected load)=540 HP
48. Energy	During Operation phase (Demand load)=50 KVA	During Operation phase (Demand load)=400 KVA
48. Energy	DG set as per Power back up during operation phase = 350 KVA	DG set as per Power back up during operation phase = 250 KVA
52. Storage of chemicals	Calcium Oxide- storage capacity in MT= 5	Calcium Oxide- storage capacity in MT= 10
52. Storage of chemicals	Ferric Chloride	Cancel from Production List
52. Storage of chemicals	Sucrose	Cancel from Production List
52. Storage of chemicals	Propanol -storage capacity in MT = 5	N- Propanol -storage capacity in MT = 20
52. Storage of chemicals	Methanol-storage capacity in MT = --	Methanol-storage capacity in MT = 5
54. Traffic Management	Area per car: 12 m	Area per car: 30 m

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 for effluent treatment if they do not get permission from 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 Effluent Treatment Plant for the treatment of effluent.
Drainage pattern of the project	Not Applicable

Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site. PP to obtain permission from CGWA of they uses ground water as per Public Notice issued by Ministry of Water Resources on 29.06.2018.
Solid Waste Management	PP proposes disposal of waste material at CHWTSDF and sale to authorized vendor.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 50 KVA, which will be supplied by MSEDCL. PP also proposes to have 350 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes to provide 960.00 Sq.m. area for parking along with 6 meter wide roads with 9 meter turning radius.
Landscape Plan	PP proposes to provide 33% green belt.
Disaster management system and risk assessment	.PP carried out HAZP/Risk Assessment and proposes adequate steps to handle an emergency.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP prepared EMP cost of Rs.19.92 Lakh during construction phase and 78.00 Lakh as capital cost and Rs. 22.00 Lakh as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable at this stage.

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.

Based on the presentation made by PP; committee decided to approve the TOR in 145th meeting of SEAC held on 30.12.2017 for the preparation of EIA/EMP report as per standard TOR issued by MoEF & CC published in April, 2015 and additional TOR points mentioned below.

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

2. PP to submit 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, rain water harvesting etc.

3. 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.

4. PP to carry out HAZOP and QRA and submit report.

5. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.

6. PP to submit hazardous chemical handling protocol.

7. PP to provide lightening arrestor.

8. PP to submit CETP membership certificate.

9. No coal shall be used for any purpose in proposed project.

10. PP to include detailed water balance calculation in the EIA report.

11. PP to submit design details of proposed Effluent Treatment Plant.

12. PP to submit documents with respect to the notified industrial area of the proposed location. If proposed site is not within notified industrial area PP to conduct Public Hearing as per EIA Notificaiton, 2006.

Now PP submitted EIA/EMP reprot for appraisal.

The proposal was considered in the 150th meeting of SEAC held on 04.05.2018 where in the proposal was deferred till submission of following points,

1. PP to submit an undertaking for not having any ecosensitive area within 5 km radius of the proposed project.

2. PP to ensure to use only briquettes for the boiler.

3. PP to submit Disaster Management Plan.

4. PP to submit revised design of ETP to meet the parameters of ETP out let as per standards prescribed by MPCB and CETP.

5. PP to submit copy of membership of CETP and permission to discharge treated effluent to the CETP.

6. PP to submit revised list of trees to be planted in the proposed project.

7. PP to submit methodology adopted for socio economic impact of the proposed project.

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

9. 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

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

Specific Conditions by SEAC:

1) PP to use coal having ash content less the 10% only if briquette are not available.
2) PP shall not take any effective steps of manufacturing unless obtains permission from CETP or make arrangement for ZLD.

FINAL RECOMMENDATION

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

153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

Subject: Environment Clearance for Expansion of grain based distillery from 30 KLPD to 58 KLPD (expansion by 28 KLPD.)

Is a Violation Case: No

1.Name of Project	M/s. Viraj Alcohols & Allied Industries Ltd.,
2.Type of institution	Private
3.Name of Project Proponent	Yuvraj B. Gaikwad (General Manager)
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	Expansion of grain based distillery from 30 KLPD to 58 KLPD (expansion by 28 KLPD.)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance granted by MoEF Dated 25 September, 2006
8.Location of the project	Gat No. 511
9.Taluka	Shirala
10.Village	Kapari
Correspondence Name:	M/s. Viraj Alcohols & Allied Industries Ltd.,
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	A/p.-Kapari
Locality:	Tal.: Shirala
City:	Sangli
11.Area of the project	NA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 13088.77
13.Note on the initiated work (If applicable)	--
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	44515.9
16.Deductions	NA
17.Net Plot area	44515.9 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	120600000

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	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	Not applicable
29.Existing structure (s) if any	Not applicable
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	Rectified Spirit (RS)	900 KL/M	840 KL/M	1740 KL/M
2	Ethanol	802 KL/M	749 KL/M	1551 KL/M
3	Extra Neutral Alcohol (ENA)	812 KL/M	758 KL/M	1570 KL/M
4	Electricity	1 MW	--	--

32.Total Water Requirement

Dry season:	**Source of water**	Warna and Morna River
	Fresh water (CMD):	323
	Recycled water - Flushing (CMD):	725 (In process not for flushing)
	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**	Warna and Morna River
	Fresh water (CMD):	323
	Recycled water - Flushing (CMD):	725 (In process not for flushing)
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	18	0	18	2.5	0	2.5	15.5	0	15.5
Industrial Process	298	281	579	34	32	66	264	249	513
Cooling tower & thermopack	257	194	451	237	184	421	20	10	30

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Planing of RWH is done. After expansion same will be implement on site.
	Size and no of RWH tank(s) and Quantity:	Planing of RWH is done. After expansion same will be implement on site.
	Location of the RWH tank(s):	Planing of RWH is done. After expansion same will be implement on site.
	Quantity of recharge pits:	Planing of RWH is done. After expansion same will be implement on site.
	Size of recharge pits :	Planing of RWH is done. After expansion same will be implement on site.
	Budgetary allocation (Capital cost) :	Planing of RWH is done. After expansion same will be implement on site.
	Budgetary allocation (O & M cost) :	Planing of RWH is done. After expansion same will be implement on site.
	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:**	After expansion total domestic wastewater generation will be 15.5 CMD. Same will be treat in proposed STP.
	STP technology:	Under expansion STP will be provided. Domestic effluent will be treat in to the same.
	Capacity of STP (CMD):	Under expansion STP of capacity 20 CMD will be provided.
	Location & area of the STP:	Towards south direction of plot
	Budgetary allocation (Capital cost):	Rs. 15 lakhs
	Budgetary allocation (O & M cost):	Rs. 0.25 Lakhs
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:**	(1) Bagasse Ash - 2.6 MT/D, (2) Coal Ash - 3.5 MT/D
	Wet waste:	NA
	Hazardous waste:	Distillation residue - (Cat. 20.3) and ETP Sludge (Cat 34.2) - 0.0048 MT/D
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Bagasse Ash- Used as Manure. Coal Ash-Supplied to Brick manufacturer
	Wet waste:	NA
	Hazardous waste:	Distillation Residue and ETP Sludge -Used as Manure as a soil conditioner.
	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:	Within industrial premises
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4.30	6.92	--
2	Suspended Solids (SS)	mg / lit	83.00	52.00	100
3	Total Dissolved Solids (TDS)	mg / lit	767.00	540.00	2100
4	Chemical Oxygen Demand (COD)	mg / lit	2037.60	90.60	250
5	Biochemical Oxygen Demand (BOD)	mg / lit	831.65	32.30	100

Amount of effluent generation (CMD):	41 CMD
Capacity of the ETP:	78 CMD
Amount of treated effluent recycled :	35 CMD
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NIL
Note on ETP technology to be used	Primary, secondary and tertiary treatment
Disposal of the ETP sludge	Used as Manure as a soil conditioner

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue and ETP Sludge	Cat.20.3 and Cat. 34.2	Kg/D	2.5	2.3	4.8	Used as Manure as a soil conditioner.

39.Stacks emission Details

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

1	Boiler	Bagasse (130 MTPD) or Coal (70 MTPD) or Cashew cake (70 MTPD)	1	Existing 33 M, After expansion 40 M	1.8	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	75	55	130
2	Coal (70 MTPD)	40	30	70
3	Cashew cake (70 MTPD)	40	30	70
41.Source of Fuel		Bagasse – nearby sugar factories, Coal – authorized coal supplier		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	14,700 Sq. M.
	No of trees to be cut :	NA
	Number of trees to be planted :	200
	List of proposed native trees :	Chinch, Vad, Pimpal, Silver Oak, Karanj, Saptaparni, Ashok, Umbar, rain tree
	Timeline for completion of plantation :	Already 33% of green belt is developed on site. under expansion of distiller existing green belt will be segmented.

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	Samaneo samon	Rain tree	30	Evergreen
2	Delonix regia	Gulmohor	26	Evergreen
3	Grevillea robusta	Silver oak	12	Deciduous
4	Millettia pinnata	Karanj	30	Evergreen
5	Alstonia scholaris	Saptaparni	25	Evergreen
6	Anthocephalus chmensis	Kadamb	35	Deciduous
7	Tomorindus indica.	Chinch	40	Deciduous
8	Polyalthia longifolia	Ashok	30	Evergreen
9	Ficus religiose	Pimpal	15	Evergreen
10	Ficus benghalensis	Vad	25	Evergreen
11	Ficus glomerate	Umbar	40	Deciduous
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Own CPP
	During Construction Phase: (Demand Load)	NIL
	DG set as Power back-up during construction phase	NIL
	During Operation phase (Connected load):	NIL
	During Operation phase (Demand load):	1MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Existing 160 KVA & proposed 320 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NIL

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	Mechanical Dust Collector (MDC) along with 33 M height of of stack	MDC followed by bag filters along with 40 M height of stack

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Upgradation of APC Equipment	Installation of Bag Filters to existing 20 TPH boiler, and increasing stack height so as to make 40 M stack, Online monitoring system.	56	1
2	Installation of STP	Installation of STP	15	0.25
3	Up-gradation of existing ETP	Up-gradation of existing ETP	60	1.5
4	Noise Pollution Control	Noise Pollution Control	10	0.50
5	Occupational Health & Safety	Occupational Health & Safety	5	0.50
6	Environmental Monitoring & Management	Environmental Monitoring & Management	5	10
7	Solid Wastes Disposal –Ash Silos, Transportation	Solid Wastes Disposal –Ash Silos, Transportation	35	1
8	Green Belt Augmentation Plan & Rain Water Harvesting implementation.	Green Belt Augmentation Plan & Rain Water Harvesting implementation.	25	1.25
9	CSR amount (for 2.5 years after expansion)	CSR amount (for 2.5 years after expansion)	42.5	-

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):	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	B
	Court cases pending if any	NIL
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	30-10-2015

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

DECISION OF SEAC

PP requsted to postpone the case on 30.06.2018.

Hence, Deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

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

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

DECISION OF SEAC

PP requsted to postpone the case on 30.06.2018.

Hence, Deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

Subject: Environment Clearance for Capacity Augmentation and Modernization for Production of finished products in the form of Ingots, Blooms & Bars from 2, 04,000 TPA to 2, 44,000 TPA of Saarloha Advanced Materials Pvt. Limited (formerly known as M/s Kalyani Carpenter Special Steels Pvt. Ltd.), Mundhwa, Pune, Maharashtra.

Is a Violation Case: No

1.Name of Project	Capacity Augmentation and Modernization for Production of finished products in the form of Ingots, Blooms & Bars from 2, 04,000 TPA to 2, 44,000 TPA
2.Type of institution	Private
3.Name of Project Proponent	Saarloha Advanced Materials Pvt. Ltd (formerly known as M/s Kalyani Carpenter Special Steels Pvt. Ltd.)
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd. Agriculture College Campus, Next to DIC office, Shivajinagar, Pune 411 005, Maharashtra (India)
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion with modernization
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes
8.Location of the project	Survey No. 72 to 76,
9.Taluka	Haveli
10.Village	Mundhwa
Correspondence Name:	Mr V Balasubramanian
Room Number:	NA
Floor:	NA
Building Name:	Saarloha Advanced Materials Pvt. Ltd (formerly known as M/s Kalyani Carpenter Special Steels Pvt. Ltd.)
Road/Street Name:	Ghorpadi Road
Locality:	Mundhwa
City:	Pune
11.Area of the project	Notified Industrial Zone in Pune, Pune Cantonment Board, Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 50604.85
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	1,01,208 square meter
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.): 46123.95
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: 13-06-2018
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	500000000

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
3	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)	7.5 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	Existing factory structures
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	Finished products in the form of ingots , blooms and bars of various sizes and grades	204000 TPA	40000 TPA	244000 TPA

32.Total Water Requirement

Dry season:	**Source of water**	Irrigation, PMC water , Ground water
	Fresh water (CMD):	Nil
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	65
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Nil for proposed expansion
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	100 CMD (Above ground)
	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	100	-20 (demand decreases)	80	20	15(demand decreses)	15	80	65 (decreses)	65
Industrial Process	700	20	720	606	55.5	661.5	Nil	Nil	NIl

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4m
	Size and no of RWH tank(s) and Quantity:	Existing 2 Tanks 6 m dia x 6 m depth and 13 x 3 x 3
	Location of the RWH tank(s):	As per layout
	Quantity of recharge pits:	Existing 9 pits
	Size of recharge pits :	3 x 3x 3.5, 3.8 x 5.5 x 3.5, 2 x 1.5 x 3, 2.5 x 1.3 x 3 , 3 x 3 x 3 , 3 x 4 x 3 , 3 x 4 x 3 , 4 .7x1.3 x 3, 10.5 x 1.6 x 3
	Budgetary allocation (Capital cost) :	35 lacs Already implemented
	Budgetary allocation (O & M cost) :	3 Lacs
	Details of UGT tanks if any :	6 m Diameter x 6 M depth- 169 Cu M
35.Storm water drainage	**Natural water drainage pattern:**	East to West by storm water drainage
	Quantity of storm water:	Existing area 2.8 m3/sec
	Size of SWD:	600 mm X 500 mm (South side East to West) 450 mm dia. Boiler room to canteen (East – west) 450 mm dia. Plant office to gate 450 mm dia. West side (South to north)
Sewage and Waste water	**Sewage generation in KLD:**	65
	STP technology:	Aerobic treatment
	Capacity of STP (CMD):	One STP of 130 CMD
	Location & area of the STP:	As per Layout
	Budgetary allocation (Capital cost):	Existing STP is available
	Budgetary allocation (O & M cost):	Existing STP is available
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:**	Slag Ball,Slag Overflow, Debris, Bricks, Metal Waste, Dust Grinding, Miscellaneous Packing Mater Wood , Paper, Cardboard, Glass, Process Dust
	Wet waste:	NA
	Hazardous waste:	Used / Spent oil , Waste / Residue, containing oil Empty Oil Barrels
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4 MTA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Papers & Cardboards, Plastic & HDPE, Woods & pallets etc. will be sale
	Wet waste:	NA
	Hazardous waste:	Sent to CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	NA
	Others if any:	E waste 1000 kg per annum, Battery waste 50 no.
Area requirement:	**Location(s):**	As per layout
	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	Total Suspended Solids	mg/l	260	30	50
2	Biological Oxygen Demand	mg/l	135	25	30
3	Chemical Oxygen Demand	mg/l	467	78	100

Amount of effluent generation (CMD):	No
Capacity of the ETP:	NA
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used / Spent oil	5.1	MT/Year	35	7	42	Sold to authorized re-processor
2	Waste/ Residue containing oil	5.2	MT/Year	25	5	30	Sold to authorized re-processor
3	Empty Oil Barrels	33.3	Nos/Year	2500	500	3000	Sold to authorized re-processor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler No. 1	FO & Biodiesel- 140 Lit/Hr	1	30.5	0.9	280 0C

2	Boiler No. 2	FO & Biodiesel-110 Lit/Hr	1	30.5	0.9	280 0C
3	Boiler No. 3	FO & Biodiesel-110 Lit/Hr.	1	30.5	0.9	280 0C
4	Annealing Furnace No.1	FO-140 Lit/Hr	2	30	0.6	190 0C
5	Annealing Furnace No.2	FO-110 Lit/Hr.	2	30	0.6	190 0C
6	Walking Beam Furnace	FO-600 Lit/Hr.	3	49	1.05	286 0C
7	Soaking pit	FO-310 Lit/HR	4	39	1.05	240 0C
8	D.G. Set No.1	HSD-35 Lit/HR.	5	Height of the roof + 5M	0.04	95 0C
9	D.G. Set No.2	HSD-50 Lit/HR.	6	Height of the roof + 5M	0.04	176 0C
10	D.G. Set No.3	HSD-20 Lit/HR.	7	Height of the roof + 3.5M	0.02	115 0C
11	D.G. Set No.4	HSD-15 Lit/HR.	8	Height of the roof + 3.5M	0.04	130 0C
12	D.G. Set No.5	HSD-20 Lit/HR.	9	Height of the roof + 5M	0.04	142 0C
13	Electric Arc Furnace	Electricity-10112 Units/Hr.	NA	NA	NA	High Temperature Quenching With Fume Extraction System Provided
14	Laddle Furnace 2 nos.	Electricity -829 Units/Hr for each	NA	NA	NA	Fume Extraction System Provided
15	Electro Slag Re-melting	Electricity-1081 Units/Hr	12	10	0.15	75 0C
16	Shot Blasting M/c. No. 1	Electricity-34 Units/Hr	13	13	0.3	-
17	Shot Blasting M/c. No. 2	Electricity- 34 Units/Hr.	14	18	0.3	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	14600	Nil	14600
2	HSD	365	0	365
3	Biodiesel	1987	50	2037
4	CBFS	365	0	365
5	LPG	730	0	730
6	Producer Gas	0	7300 Nm3/Hr	7300 NM3/Hr
41.Source of Fuel		Authorized Vendors		
42.Mode of Transportation of fuel to site		Road		

43.Green Belt Development	**Total RG area :**	18000 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

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	NA	NA	NA	NA
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):	Total 54.2 MW
	During Operation phase (Demand load):	Total 36.8 MVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	Total 5 of capacity 1235(KVA)
	Fuel used:	HSD, Fuel Oil, Biodiesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar powered street lamps will be installed-10 no
2. LED lights will be installed in offices-100 no
3. Secondary Fume extraction system (FES), Fan 2 latest drive fitted 800 KW, 690 V for 650 KW 690 V 4P, new motor 1 no. saving of 1000 units per day
4. Ladle Furnace 1 FES Optimization with respect to process and saved 150 units per day

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
Source stack and process	FES, HTQ, Dust Collectors, Bag filters	NA
Domestic effluent	STP	NA

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	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	0.50
2	Air Environment	Water For Dust Suppression	0.25
3	Health Check Up	Health Check Up	1.0
4	Occupational Health	Personal protective equipment	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	Nil	409196
2	Waste water	Operation & Maintenance of Sewage Treatment Plant	15	1204420
3	Sludge management	Expenses for removal Of Sludge from Sewage Treatment Plant	Nil	104950
4	JV Analysis	JVS Analysis Report charges	Nil	2660
5	Gardening	Tree Plantation	NIl	30000
6	Solid waste	Disposal of solid Waste (Process Dust / slag ball)	Nil	12732223

7	Rain water	Rain Water Harvesting Pits	Nil	300000
8	Garden maintenance	Maintenance of Garden inside the Plant	Nil	408000
9	CSR/CER	Maintenance of Garden Kamla Nehru Park	Nil	690600
10	Air	Maintenance of Fume Extraction System	Nil	5479348

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
Hydrochloric Acid	Liquid	Boiler & NDT (Macro Etching room)	0.4 MT	0. 37 MT	11.29 MT	A V Gandhi	Road
Liquefied Petroleum Gas	Liquid	Metal Cutting Activity	1 MT	0.231 MT	6.9 MT	Indene, Bharat Gas & HP Gas	Road
Acetylene	Gas	Metal Cutting Activity	1.6 MT	1.2 MT	1214 MT	Tri Gases, Sidhivinayak	Road
Liquid Oxygen Gas	Liquid	Electric ARC Furnace ,Melting / Scarp cutting / Reheating of materials	225 MT	168 MT	1507971 MT	Linde Group / Inox Air Products	Road
Liquid Argon	Liquid	Ladle Furnace- Purging of Molten Metal	42.82 MT	30 MT	61755 MT	Linde Group / Inox Air Products / Praxair	Road
Liquid Nitrogen	Liquid	Ladle Furnace - Purging of Molten Metal	11.09 MT	8 MT	26141 MT	Inox Air Products	Road
Furnace oil	Liquid	Walking Beam Furnace / Annealing Furnace / Soaking Pit Reheating of Material / Boiler	205 KL	105 KL	1025 KL	Indian / BPCL	Road
LDO	Liquid	Electric Arc Furnace / Ladle Preheaters Reheating of Material / melting of Scrap	85 KL	60 KL	237 KL	Kedia Organics Chemicals Pvt. Ltd	Road
HSD	Liquid	Running of D G Sets , Bobcat & Fork Lifts	1 KL	0.8 KL	13 .27 KL	BPCL / Rajlaxmi Petroleum	Road
Picric Acid	Liquid	In laboratory	1 Ltrs	0.75 Ltrs	9 Ltrs	Bharat Chemicals	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):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	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 3 (a) B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

PP to carry out Public Consultation as per procedure stipulated in the EIA Notification, 2006 along with time bound implementation plan of the issues raised in the Public Consultation.

DECISION OF SEAC

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

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

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.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP has obtained earlier EC vide letter No. SEAC-2014/CR-156/TC-2 dated 12.12.2.014. PP to submit certified compliance of the EC from Regional Office of MoEF&CC as per OM dated 7th September, 2017.
3) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, storm water drains, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas,33% green belt, rain water harvesting etc. along with area calculations.
4) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
5) PP to include heat integration and heat balance study details in the EIA Report.
6) PP to explore possibility to use modern technologies in the process to reduce energy consumption.
7) PP to carry out Risk Assessment and submit Disaster Management Plan.
8) PP to submit copy of water supply permission obtained from Competent Authority.
9) PP to include detailed water balance calculations in the EIA Report.
10) PP to submit details of waste generation and its disposal along with the agreement made with the vendors for sale or reuse.
11) PP to submit copy of structural stability certificate of structures existing to accommodate proposed expansion.
12) PP to prepare socio-economic impact of proposed expansion and include in the EIA report.
13) 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.

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.

153rd Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd (Day-2) **Meeting Date** July 1, 2018

Subject: Environment Clearance for Tyre pyrolysis oil [TPO] for M/s Skashi industries.

Is a Violation Case: No

1.Name of Project	Sakshi Industries
2.Type of institution	Private
3.Name of Project Proponent	tyre pyrolysis oil
4.Name of Consultant	self
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	new project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	no
8.Location of the project	A-233
9.Taluka	shrirampur
10.Village	khnadala
Correspondence Name:	Mr. Ajay Macchindra Raut
Room Number:	747
Floor:	Ground
Building Name:	Laxman Niwas
Road/Street Name:	at post kelwad
Locality:	tal Rahata
City:	Ahmednagar
11.Area of the project	MIDC AREA
12.IOD/IOA/Concession/Plan Approval Number	NO
	IOD/IOA/Concession/Plan Approval Number: NO
	Approved Built-up Area: 774.00
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.)	1500.00
16.Deductions	0.00
17.Net Plot area	1500.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 772.0
	b) Non FSI area (sq. m.): 728
	c) Total BUA area (sq. m.): 1500.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 772.00
	Approved Non FSI area (sq. m.): 850.00
	Date of Approval: 07-07-2017
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	180.95

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 applicanable
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)	30.00 Meter
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	pyrolysis oil	0.00	220.0	220.0
2	carbon black	0.00	150.0	150.0

32.Total Water Requirement

Dry season:	**Source of water**	MIDC TAP WATER
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	1.0
	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**	MIDC TAP WATER
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	1.0
	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	0.7	0.7	0.00	0.00	0.00	0.00	0.7	0.7
Industrial Process	0.0	0.3	0.3	0.00	0.00	0.00	0.00	0.3	0.3

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 :	0.00
	Budgetary allocation (Capital cost) :	0.00
	Budgetary allocation (O & M cost) :	0.00
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	NA
	Size of SWD:	0.00
Sewage and Waste water	**Sewage generation in KLD:**	NA
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	0.00
	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:**	NA
	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:**	NA
	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:	500.00
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	0
	O & M cost:	0

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:	0.00
Amount of treated effluent recycled :	0.00
Amount of water send to the CETP:	0.00
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	0	0	0	0	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	Auto IGNITION DEVICE	ELECTRICITY	01	30.50	0.30	350

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	wood	0.00	10000	10000
2	gas	0.00	2000	2000

41.Source of Fuel	gas coming from rector is refused for the combusion processes . arrengment done while installing plant.
42.Mode of Transportation of fuel to site	wood is transport from road ways.

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	NA
	Number of trees to be planted :	NOT NOW BUT PLINTTING AFTER THE OPERTAION OF UNIT
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

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	NA	NA	0.00	NA
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	0.00	0.00

47.Energy

Power requirement:	**Source of power supply :**	MSEB ELECTRIC SUPPLY
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	60.0 kVA
	During Operation phase (Demand load):	80.5 kVA
	Transformer:	60 kVA
	DG set as Power back-up during operation phase:	80.5 kVA
	Fuel used:	DIESEL
	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	0

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Excess Gas Generation In Reactor	NA	Auto Ignition Device
Moisture from oil	NA	ETP
smoke generated in heating processe	NA	Scrubber Desulfurization System

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	180.95
	O & M cost:	0.00

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	0.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	NA	NA	0.0	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
NA	NA	NA	0	0	0	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

DECISION OF SEAC

PP reamined absent.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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