158th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76, Chikhloli MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd

Is a Violation Case: No

1.Name of Project	Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76, Chikhloli MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Centaur Pharmaceuticals Pvt. Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Plot No. 74, 75 & 76, Chikhloli MIDC
9.Taluka	Ambernath
10.Village	Ambernath
Correspondence Name:	Mr. Ashok Kundlik Walunj
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Area of the project	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	MIDC approved plan
	IOD/IOA/Concession/Plan Approval Number: MIDC approved plan
	Approved Built-up Area: 9028.32
13.Note on the initiated work (If applicable)	Not applicable. Proposed expansion is within existing plot
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	8,435 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.): 9028.32
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	905000000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Min. 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m
29.Existing structure (s) if any	Proposed expansion is within existing site.
30.Details of the demolition with disposal (If applicable)	Minor quantity of demolition waste will be generate.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Bulk Drugs and Intermediates (Excluding formulation) likes below	33180	86935	120031
2	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC/ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC	22356	5476479	76479
3	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam,	--	19748	19748
4	Group I (Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam)	--	19748	19748
5	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam)	--	19673	19673
6	Group III (Zopiclone(058)	--	19588	19588
7	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol Brivaracetam, Empagliflozin,	--	16279	16279
8	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneligliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride	--	16279	16279
9	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam,	--	1191	1191
10	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam, Estazolam,	--	1191	1191
11	Group V Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone)	--	1191	1191
12	ANTIDEPRESSANT/CNS STIMULANT (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate, Amoxapine,	3276	3969	7245
13	ANTIDEPRESSANT/CNS STIMULANT Loxapine Succinate, Loxapine HCl, Methylphenidate HCl, Dixmethylphenidate HCl)	3276	3969	7245
14	ANTI-GLUCOMA/ ANTIHISTAMINIC (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl)	756	1213	1969
15	ANTIPROTAZOAL (Nimorazole)	180	495	675
16	ANTIPSYCHOTIC/ANTIPYRETIC/ANTI-INFLAMATORY/ANALGESIC/ANTI-ULCER (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate,	1932	6355	8287
17	ANTIPSYCHOTIC/ANTIPYRETIC/ANTI-INFLAMATORY/ANALGESIC/ANTI-ULCER Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate / HCL/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide)	1932	6355	8287
18	ANTIEMETIC (Metopimazine, Nabilone)	60	507	567
19	ANTISPASMODIC/MUSCLE RELAXANT (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl)	3900	19109	23009
20	ANTIDYSKINETIC/DIURETIC/SNR INHIBITOR/CHOLINERGIC/URINARY INCONTINENCE (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl,	360	674	1034
21	ANTIDYSKINETIC/DIURETIC/SNR INHIBITOR/CHOLINERGIC/URINARY INCONTINENCE Fampyridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetrabenazine , Propiverine HCl)	360	674	1034
22	HYPERTENSION/ ANTIHYPERTENSION (Pindolol)	24	111	135

23	PLATELET INHIBITOR (Prasugrel)	12	18	30
24	ANGINA	12	0	0
25	ANTIVIRAL	12	0	0
26	ANTI CARDIOVASCULAR	12	0	0
27	CALCIMIMETIC	24	0	0
28	ERECTILE DYSFUNCTION	12	0	0
29	IRREVERSIBLE INHIBITOR OF MONOAMIDE OXDASE	12	0	0
30	R & D ACTIVITY & OTHERS (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin,	240	360	600
31	R & D ACTIVITY & OTHERS Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide)	240	360	600
32	Recovered Solvents	120 TPA	2880 TPA	3000 TPA

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) :	407 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	12	13	25	3	2	5	9	11	20
Industrial Process	25	60	85	14	0	14	11	60	71
Cooling tower & thermopack	82	185	267	81	157	238	1	28	29
Gardening	10	20	30	10	20	30	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	20 cmd
	STP technology:	Not applicable. Sewage will be treated in upgraded ETP plant.
	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 construction debris will be generate.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Empty drums, Glass bottles, Plastic bags, Corrugated sheets, Metal scrap, Paper waste, Plastic waste, Rubber waste, Boiler ash, Wooden waste
	Wet waste:	Not applicable
	Hazardous waste:	Sludge and filters contaminate with oil , Used or spent oil, Wastes or residues containing oil, Discarded Asbestos, Process residue and wastes, Spent carbon, Off specification products, Date-expired products, Spent solvent, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes, Contaminated cotton rags or other cleaning materials, Exhaust air or gas cleaning residue, Spent ion exchange resin containing toxic metals, Chemical sludge from waste water treatment, Filter medium
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Non Hazardous waste will be sell to authorized recycler.
	Wet waste:	Not applicable
	Hazardous waste:	Hazardous waste will be safely disposed off to CHWTSDF (TTCWMA)/ Sale to authorized Re processoras
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	Detail will be given during EIA report
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Detail will be given during EIA report
	O & M cost:	Detail will be given during EIA report

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 12	6.0 to 8.5	6.0 to 8.5
2	Oil & Grease	mg/L	< 10	< 10	10
3	Biological oxygen demand	mg/L	2000 to 7000	< 100	100
4	Total Suspended solids	mg/L	200 to 1000	< 100	100
5	Chemical oxygen demand	mg/L	5000 to 10000	< 250	250
6	Chloride	mg/L	500 to 2000	< 600	600
7	Sulphates as SO4	mg/L	< 1000	< 1000	1000
8	Total dissolved solids	mg/L	2000 to 5000	< 2100	2100

9	Phenolic compound	mg/L	< 1	< 1	1
10	Chromium	mg/L	< 1	< 0.1	0.1
11	Sulphide as S	mg/L	< 1	< 2	2

Amount of effluent generation (CMD):	Domestic effluent: 20 cmd & Trade effluent: 100 cmd, Total effluent generation (Existing + Proposed): 120 cmd
Capacity of the ETP:	150 cmd (Existing + Proposed)
Amount of treated effluent recycled :	Maximum amount of treated effluent will be recycle & balance will sent to CETP.
Amount of water send to the CETP:	Maximum amount of treated effluent will be recycle & balance will sent to CETP.
Membership of CETP (if require):	Unit is already member of Chikhloli- Morivali CETP.
Note on ETP technology to be used	As per Pre- feasibility report.
Disposal of the ETP sludge	ETP sludge will be disposed off in CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and filters contaminate with oil	3.3	TPA	0	2	2	CHWTSDF (TTCWMA)
2	Used or spent oil	5.1	TPA	4.8	10	14.8	Sale to authorized Re processor/CHWTSDF
3	Wastes or residues containing oil	5.2	TPA	0.1	0.2	0.3	CHWTSDF (TTCWMA)
4	Discarded Asbestos	15.2	TPA	0	0.8	0.8	CHWTSDF (TTCWMA)
5	Process residue and wastes	28.1	TPA	2.4	273.6	276	CHWTSDF (TTCWMA)
6	Spent carbon	28.3	TPA	6	26	32	CHWTSDF (TTCWMA)
7	Off specification products	28.4	TPA	0	5	5	CHWTSDF (TTCWMA)
8	Date-expired products	28.5	TPA	0	5	5	CHWTSDF (TTCWMA)
9	Spent solvent	28.6	TPM	5	395	400	Sell to authorized Reprocessor/CHWTSDF
10	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	Nos./M	0	20,000	20,000	Sell to authorized Reprocessor/CHWTSDF
11	Contaminated cotton rags or other cleaning materials	33.2	TPA	0	1	1	CHWTSDF (TTCWMA)
12	Exhaust air or gas cleaning residue	35.1	TPA	0	3	3	CHWTSDF (TTCWMA)
13	Spent ion exchange resin containing toxic metals	35.2	TPA	0	0.5	0.5	CHWTSDF (TTCWMA)
14	Chemical sludge from waste water treatment	35.3	TPA	0.96	149.04	150	CHWTSDF (TTCWMA)
15	Filter medium	36.2	TPA	0	2	2	CHWTSDF (TTCWMA)
16	E waste	-	Kg/M	75	425	500	Sell to authorized Reprocessor/CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 600 kg/hr) [existing]	LSHS/ LDO: 300 Lit/day	1	20	0.3	130 C
2	Boiler standby (capacity 600 kg/hr) [existing]	standby	1	common stack	same as above	same as above
3	Process reactor [existing]	Alkali scrubber	2	10	0.3	42 C
4	Process reactor standby [existing]	--	2	common stack	same as above	same as above
5	DG set 380 KVA [existing]	HSD: 260 Lit/month or 100 Lit/Hr	3	12	as per norms	115 C
6	DG set 40 KVA [existing]	--	4	12	as per norms	104 C
7	Boiler (capacity 1000 kg/hr)(proposed)	FO : 1.8 KL/day	5	As per statutory requirement	As per statutory requirement	As per statutory requirement
8	Boiler (capacity 5000 kg/hr) In place of existing 600 kg/hr boiler](Proposed)	FO: 3KL/day, Natural Gas 6500 Nm3/day)	5	As per statutory requirement	As per statutory requirement	As per statutory requirement
9	Boiler standby (capacity 5000 kg/hr) [In place of existing 600 kg/hr boiler] (Proposed)	standby	5	As per statutory requirement	As per statutory requirement	As per statutory requirement
10	Process reactor [proposed]	Water scrubber	6	As per statutory requirement	As per statutory requirement	As per statutory requirement
11	Process reactor [proposed]	Alkali scrubber	7	As per statutory requirement	As per statutory requirement	As per statutory requirement
12	DG set (1000 KVA) [proposed]	HSD: 250 Lit/hr	8	As per statutory requirement	As per statutory requirement	As per statutory requirement
13	DG set (750 KVA) [proposed]	HSD: 175 Lit/hr	9	As per statutory requirement	As per statutory requirement	As per statutory requirement

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100 Lit/Hr	425 Lit/Hr	525 Lit/Hr
2	LSHS/ LDO	300 Lit/ Day	--	300 Lit/ Day
3	Furnace oil	--	4.8 KL per Day	4.8 KL per Day
4	Natural Gas	--	6500 Nm3 per Day	6500 Nm3 per Day
41.Source of Fuel		from nearby vendors		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	as per MIDC norms
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Details will be given in EIA report.
	List of proposed native trees :	Details will be given in EIA report.
	Timeline for completion of plantation :	Details will be given 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	--	--	--	--
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 :**	MSEDCL
	During Construction Phase: (Demand Load)	3000 KVA (proposed)
	DG set as Power back-up during construction phase	existing DG set of 380 KVA & 40 KVA
	During Operation phase (Connected load):	Proposed power requirement: 3000 KVA
	During Operation phase (Demand load):	Proposed power requirement: 3000 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	Proposed additional DG set: 1 no. of 1000 KVA capacity & 1 no. of 750 KVA
	Fuel used:	Total HSD consumption: 525 Lit/ Hr
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Existing details: 20 kw solar energy panels are installed and generating reusable electricity. Existing CFL lights replaced with low voltage LED lights.

Proposed details: It is proposed to install additional 200 KW solar energy panels.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution-Boiler, Process emissions,	Stack	Stack
Air pollution-Process reactor	Alkali scrubber	Alkali scrubber, Water scrubber
Air pollution-DG set	Stack	Stack
Water pollution	ETP	ETP, RO, MEE
Noise	PPE, Enclosure	PPE, Enclosure
Solid & Hazardous waste	disposal to CHWTSDF	disposal to CHWTSDF

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Pollution Control	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
Methanol	existing & proposed	within plot	63 MT	63 MT	923.04 TPA	nearby vendors	By road
IPA	existing & proposed	within plot	63 MT	63 MT	465.048 TPA	nearby vendors	By road
Ethyl Acetate	existing & proposed	within plot	63 MT	63 MT	275.45 TPA	nearby vendors	By road

Toluene	existing & proposed	within plot	63 MT	63 MT	2188.716 TPA	nearby vendors	By road
LDO	existing	within plot	18 MT	18 MT	30 Lit/Day	nearby vendors	By road
HSD	existing & proposed	within plot	1600 L	1600 L	12.6 KL/ Day	nearby vendors	By road
Furnace Oil	proposed	within plot	300 MT	300 MT	4.8 KL/ Day	nearby vendors	By road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	as per MIDC norms
	Area per car:	as per MIDC norms
	Area per car:	as per MIDC norms
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes

	Date of online submission	26-12-2016

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Production details	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC / ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC Existing quantity – 22356 MT/M Proposed Quantity – 5476479 MT/M Total quantity – 76479 MT/M	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC / ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC- Existing quantity – 22357 kg/Annum Proposed Quantity –54122 kg/Annum Total quantity – 76479 kg/Annum
Production details	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam Existing quantity – -- MT/M Proposed Quantity –19748 MT/M Total quantity – 19748 MT/M	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam Existing quantity –5773 kg/Annum Proposed Quantity – 13975 kg/Annum Total quantity – 19748 kg/Annum
Production details	Group I Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam) Existing quantity – -- MT/M Proposed Quantity –19748 MT/M Total quantity – 19748 MT/M	Group I (Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam) Existing quantity –5773 kg/Annum Proposed Quantity – 13975 kg/Annum Total quantity – 19748 kg/Annum
Production details	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam) Existing quantity – -- MT/M Proposed Quantity –19673 MT/M Total quantity – 19673 MT/M	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam) Existing quantity –5751 kg/Annum Proposed Quantity – 13922 kg/Annum Total quantity – 19673 kg/Annum
Production details	Group III (Zopiclone (058) Existing quantity – -- MT/M Proposed Quantity –19588 MT/M Total quantity – 19588 MT/M	Group III (Zopiclone (058) Existing quantity –5726 kg/Annum Proposed Quantity – 13862 kg/Annum Total quantity – 19588 kg/Annum
Production details	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol, Brivaracetam, Empagliflozin Existing quantity – -- MT/M Proposed Quantity –16279 MT/M Total quantity – 16279 MT/M	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol, Brivaracetam, Empagliflozin Existing quantity –4759 kg/Annum Proposed Quantity – 11520 kg/Annum Total quantity – 16279 kg/Annum
Production details	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneligliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride Existing quantity – -- MT/M Proposed Quantity –16279 MT/M Total quantity – 16279 MT/M	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneligliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride Existing quantity –4759 kg/Annum Proposed Quantity – 11520 kg/Annum Total quantity – 16279 kg/Annum
Production details	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam Existing quantity – -- MT/M Proposed Quantity –1191 MT/M Total quantity –1191 MT/M	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam Existing quantity –348 kg/Annum Proposed Quantity –843 kg/Annum Total quantity –1191 kg/Annum
Production details	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam Existing quantity – -- MT/M Proposed Quantity –1191 MT/M Total quantity –1191 MT/M	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam, Existing quantity –348 kg/Annum Proposed Quantity –843 kg/Annum Total quantity –1191 kg/Annum
Production details	Group V Estazolam, Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone) Existing quantity --- MT/M Proposed Quantity –1191 MT/M Total quantity –1191 MT/M	Group V Estazolam, Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone) Existing quantity –348 kg/Annum Proposed Quantity –843 kg/Annum Total quantity –1191 kg/ Annum
Production details	Antidepressant/CNS Stimulant (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate Existing quantity –3276 MT/M Proposed Quantity –3969 MT/M Total quantity –7245 MT/M	Antidepressant/CNS Stimulant (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate Existing quantity –3276 kg/Annum Proposed Quantity –3969 kg/Annum Total quantity –7245 kg/Annum
Production details	Antidepressant/CNS Stimulant, Amoxapine, Loxapine Succinate, Loxapine HCl, Methylphenidate HCI, Dixmethylphenidate HCl) Existing quantity –3276 MT/M Proposed Quantity –3969 MT/M Total quantity –7245 MT/M	Antidepressant/CNS Stimulant, Amoxapine, Loxapine Succinate, Loxapine HCl, Methylphenidate HCI, Dixmethylphenidate HCl) Existing quantity –3276 kg/ Annum Proposed Quantity –3969 kg/ Annum Total quantity –7245 kg/ Annum

Production details	Antiglucoma/Antihistaminic (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl) Existing quantity –756MT/M Proposed Quantity –1213MT/M Total quantity –1969 MT/M	Antiglucoma/Antihistaminic (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl) Existing quantity –756 kg/Annum Proposed Quantity –1213 kg/Annum Total quantity –1969 kg/Annum
Production details	Antiprotazoal (Nimorazole) Existing quantity –180 MT/M Proposed Quantity –495 MT/M Total quantity –675 MT/M	Antiprotazoal (Nimorazole) Existing quantity –180 kg/Annum Proposed Quantity –495 kg/Annum Total quantity –675 kg/Annum
Production details	Antipsychotic/Antipyretic/Anti-Inflamatory/ Analgesic /Anti-Ulcer (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate, Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate /HCl/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide) Existing quantity –1932 MT/M Proposed Quantity –6355MT/M Total quantity –8287 MT/M	Antipsychotic/Antipyretic/Anti-Inflamatory/ Analgesic /Anti-Ulcer (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate, Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate /HCl/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide) Existing quantity –1932 kg/Annum Proposed Quantity –6355 kg/Annum Total quantity –8287 kg/Annum
Production details	Antiemetic (Metopimazine, Nabilone) Existing quantity –60 MT/M Proposed Quantity –507MT/M Total quantity –567 MT/M	Antiemetic (Metopimazine, Nabilone) Existing quantity –60 kg/Annum Proposed Quantity –507 kg/Annum Total quantity –567 kg/Annum
Production details	Antispasmodic/Muscle Relaxant (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl) Existing quantity –3900 MT/M Proposed Quantity –19109 MT/M Total quantity –23009 MT/M	Antispasmodic/Muscle Relaxant (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl) Existing quantity –3900 kg/Annum Proposed Quantity –19109 kg/Annum Total quantity –23009 kg/Annum
Production details	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl, Existing quantity –360 MT/M Proposed Quantity –674MT/M Total quantity –1034 MT/M	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl, Existing quantity –360 kg/Annum Proposed Quantity –674 kg/Annum Total quantity –1034 kg/Annum
Production details	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence Fampyridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetrabenazine , Propiverine HCl) Existing quantity –360 MT/M Proposed Quantity –674MT/M Total quantity –1034 MT/M	Antidyskinetic/Diuretic/Snr Inhibitor/Cholinergic/Urinary Incontinence Fampyridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetrabenazine , Propiverine HCl) Existing quantity –360 kg/Annum Proposed Quantity –674 kg/Annum Total quantity –1034 kg/Annum
Production details	Hypertension/Antihypertension (Pindolol) Existing quantity –24 MT/M Proposed Quantity –111 MT/M Total quantity –135 MT/M	Hypertension/Antihypertension (Pindolol) Existing quantity –24 kg/Annum Proposed Quantity –111 kg/Annum Total quantity –135 kg/Annum
Production details	Platelet Inhibitor (Prasugrel) Existing quantity –12 MT/M Proposed Quantity –18 MT/M Total quantity –30 MT/M	Platelet Inhibitor (Prasugrel) Existing quantity –12 kg/Annum Proposed Quantity –18 kg/Annum Total quantity –30 kg/Annum
Production details	Angina Existing quantity –12 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Angina Existing quantity – 12 kg/Annum Proposed Quantity – (-12) kg/Annum Total quantity –0 kg/Annum
Production details	Antiviral Existing quantity –12 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Antiviral Existing quantity – 12 kg/Annum Proposed Quantity – (-12) kg/Annum Total quantity –0 kg/Annum
Production details	Anti Cardiovascular Existing quantity –12 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Anti Cardiovascular Existing quantity – 12 kg/Annum Proposed Quantity – (-12) kg/Annum Total quantity –0 kg/Annum
Production details	Calcimimetic Existing quantity –24 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Calcimimetic Existing quantity – 24 kg/Annum Proposed Quantity – (-24) kg/Annum Total quantity –0 kg/Annum
Production details	Erectile Dysfunction Existing quantity –12 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Erectile Dysfunction Existing quantity – 12 kg/ Annum Proposed Quantity – (-12) kg/ Annum Total quantity –0 kg/ Annum
Production details	Irreversible Inhibitor Of Monoamide Oxdase Existing quantity –12 MT/M Proposed Quantity –0 MT/M Total quantity –0 MT/M	Irreversible Inhibitor Of Monoamide Oxdase Existing quantity – 12 kg/Annum Proposed Quantity – (-12) kg/Annum Total quantity –0 kg/Annum

Production details	R & D Activity & Others (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin Existing quantity –240 MT/M Proposed Quantity –360 MT/M Total quantity – 600 MT/M	R & D Activity & Others (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin Existing quantity –240 kg/Annum Proposed Quantity –360 kg/Annum Total quantity – 600 kg/Annum
Production details	R & D Activity & Others Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide) Existing quantity –240 MT/M Proposed Quantity –360 MT/M Total quantity – 600 MT/M	R & D Activity & Others (Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide) Existing quantity –240 kg/ Annum Proposed Quantity –360 kg/ Annum Total quantity – 600 kg/ Annum
Production details	Bulk drug & intermediates (Excluding formulation) likes below Existing quantity –33180 MT/M, Proposed Quantity– 86935 MT/M, Total Quantity- 120031 MT/M	Bulk drug & intermediates (Excluding formulation) likes below- Existing quantity– 33181 kg/annum, Proposed Quantity–86850 kg/annum, Total Quantity- 120030 kg/annum. Refer all products quantities in Kg/ Annum.
Hazardous waste details	Proposed quantity: Process residue: 273.6 TPA, Spent carbon: 26 TPA	Proposed quantity: Process residue: 660.6 TPA, Spent carbon: 248 TPA, Used batteries- 100 Nos/ year
Amount of effluent generation (CMD)	Domestic effluent: 20 cmd & Trade effluent: 100 cmd. Total effluent generation (Existing + Proposed): 120cmd	Domestic effluent: 20 cmd & Trade effluent: 74 cmd. Total effluent generation (Existing + Proposed): 94cmd
Stack emission details	Boiler (capacity 1000kg/hr) (proposed)- FO: 1.8 KL/day	Boiler (capacity 1000kg/hr) (proposed)- FO: 1.46 KL/day or NG - 1700 nm3/day or Briquette 4 TPD
Stack emission details	Boiler (capacity 5000 kg/hr) in place of existing 600kg/hr boiler) (proposed)- FO:3KL/day, Natural Gas 6500 Nm3/day	Boiler (capacity 5000 kg/hr) in place of existing 600kg/hr boiler) (proposed)- FO: 7.3 KL/day, Natural Gas 8000 Nm3/day, Briquette 20 TPD
Details of Fuel to be used	HSD: 100 Lit/ Hr, Proposed: 425 Lit/ Hr, Total: 525 lit/ Hr	HSD: Existing- 260 Lit/ month, Proposed: 425 Lit/ Hr
Details of Fuel to be used	Furnace oil: Existing- --, Proposed- 4.8 KL/ Day, Total- 4.8 KL/ Day	Furnace oil: Existing- --, Proposed- 8.76 KL/ Day, Total- 8.76 KL/ Day
Details of Fuel to be used	Natural Gas: Existing- --, Proposed- 6500 Nm3 per day, Total- 6500 Nm3 per day	Natural Gas: Existing- --, Proposed- 9700 Nm3 per day, Total- 9700 Nm3 per day
Details of Fuel to be used	--	Briquette- Existing- --, Proposed- 24 TPD, Total- 24 TPD
Storage of chemicals	Methanol- 63 MT	Methanol- 76 MT
Storage of chemicals	IPA- 63 MT	IPA- 74 MT
Storage of chemicals	Ethyl acetate- 63 MT	Ethyl acetate- 69 MT
Storage of chemicals	Toluene- 63 MT	Toluene- 76 MT
Biomedical waste quantity	--	100 kg/ year
Mode of disposal of waste of biomedical waste	--	Disposed off to CHWTSDF(TTCWMA)
Rain water harvesting	Level of the ground water table: --	Level of the ground water table: 3.5 meter
Rain water harvesting	Size and no. of RWH tank(s) and quantity:--	Size and no. of RWH tank(s) and quantity: 6 X 5.5 X 3 meter
Rain water harvesting	Location of the RWH tank:--	Location of the RWH tank:Near to green belt zone no. 7
Rain water harvesting	Quantity of recharge pits:--	Quantity of recharge pits: 01 Nos
Rain water harvesting	Budgetary allocation (capital cost):--	Budgetary allocation (capital cost): 20 lakh
Rain water harvesting	Budgetary allocation (O & M cost):--	Budgetary allocation (O & M cost): 10 lakh
Environmental Management Plan Budget	Air pollution control:--	Air pollution control:Capital cost- 25 lakhs, O & M cost- 3 Lakhs per year
Environmental Management Plan Budget	Water pollution control:--	Water pollution control: Capital cost- 600 lakhs, O & M cost- 180 Lakhs per year
Environmental Management Plan Budget	Environment Monitoring & Management:--	Environment Monitoring & Management: Capital cost- 50 lakhs, O & M cost- 1 Lakhs per year

Environmental Management Plan Budget	Occupational Health & Safety:--	Occupational Health & Safety: Capital cost- 22 lakhs, O & M cost- 10 Lakhs per year
Environmental Management Plan Budget	Green Belt enhancement & maintenance:--	Green Belt enhancement & maintenance: Capital cost- 15 lakhs, O & M cost- 5 Lakhs per year
Environmental Management Plan Budget	Solid waste management:--	Solid waste management: Capital cost- 35 lakhs, O & M cost- 5 Lakhs per year
Environmental Management Plan Budget	LED installation:--	LED installation: Capital cost- 40 lakhs, O & M cost- 10 Lakhs per year
Environmental Management Plan Budget	Solar installation:--	Solar installation: Capital cost- 100 lakhs, O & M cost- 2 Lakhs per year
Environmental Management Plan Budget	Rain water harvesting:--	Rain water harvesting: Capital cost- 20 lakhs, O & M cost- 1 Lakhs per year
Green belt developmnt	Green belt area: --	Green belt area: 2946 sq.m
Total parking area	Parking area: --	Parking area: 826 sq.m

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 in 142nd meeting held on 14.09.2017.

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

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

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 lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc

2. PP to submit structural stability certificate of existing buildings.

3. PP informed that the plot Nos. 74,75,76 are not yet amalgamated and manufacturing processes are interlinked among these plots; PP asked to amalgamate the plots and submit copy of amalgamation.

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

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

6. PP to submit hazardous chemical handling protocol

7. PP to submit on site and off site emergency plan.

8. PP to submit details of high COD/TDS effluent, design details of ETP.

9. PP to submit design details of air pollution control systems.

10. PP to include details of solid waste generation and its quantity in the EIA report.

PP submitted EIA/EMP report for appraisal.

DECISION OF SEAC

During deliberations PP requested to postpone the case and requested to consider in next meeting.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

158th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Expansion of Sugar Unit from 4000 TCD to 6000 TCD (Operating capacity of 7,200 TCD)

Is a Violation Case: No

1.Name of Project	Expansion of Sugar Unit from 4000 TCD to 6000 TCD (Operating capacity of 7,200 TCD)
2.Type of institution	TOR
3.Name of Project Proponent	Padmashree Dr. VitthalraoVikhePatilSahakariSakhar Karkhana Ltd
4.Name of Consultant	Vasantdada Sugar Institute
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	194/A/1, 194/A/2, 195/A/1, 195/A/2, 196/1, 196/2, 197/A, 197/B, 198/A/1-2, 198/B, 205/A/1-2, 205/B, 206
9.Taluka	Rahata
10.Village	Pravranagar
11.Area of the project	Other area: Grampanchayat
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 WORK HAS BEEN INITIATED
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	272 acre: Existing + proposed Sugar: 5 +2 = 7.0 acre
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	157500000

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)	60 ft
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	Sugar	14448	11558.4	26006.4
2	Bagasse	34188	27350.4	61538.4
3	Molasses	4548	3647.4	8186.4
4	Press Mud	4440	3552	7992

32.Total Water Requirement

Dry season:	**Source of water**	Pravara Left Bank Canal
	Fresh water (CMD):	339
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	339
	Fire fighting - Underground water tank(CMD):	70000
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

Wet season:	**Source of water**	Pravara Left Bank Canal
	Fresh water (CMD):	50
	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):	70000
	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	40	10	50	8	2	10	32	8	40
Industrial Process	400	320	720	NA	NA	NA	400	320	720
Fresh water requirement	200	139	339	200	139	339	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	20 m
	Size and no of RWH tank(s) and Quantity:	Rain water harvesting tank is proposed
	Location of the RWH tank(s):	near office building
	Quantity of recharge pits:	not any
	Size of recharge pits :	not applicable
	Budgetary allocation (Capital cost) :	2.0 Lakh
	Budgetary allocation (O & M cost) :	0.20 Lakh
	Details of UGT tanks if any :	NA

35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	54717.8 M3
	Size of SWD:	1000 m X 0.450 m X 0.750 m
Sewage and Waste water	**Sewage generation in KLD:**	45
	STP technology:	Sewage will be treated in septic tanks
	Capacity of STP (CMD):	Not any
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	2.0 Lakh
	Budgetary allocation (O & M cost):	0.25 Lakh

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In minor quantity
	Disposal of the construction waste debris:	Top soil will be used for gardening purpose and excavated earth , debris will be used within the plot for re-filling and internal road development
Waste generation in the operation Phase:	**Dry waste:**	Press Mud: 47952 TPA & Boiler ash: 4462 TPA
	Wet waste:	ETP sludge 480 TPA
	Hazardous waste:	10 -15 MT/annum
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Press Mud : Used as manure after bio-composting process in own farm and stake holder farmers land & Boiler Ash: Sold to brick manufacturer
	Wet waste:	ETP sludge will be used as manure
	Hazardous waste:	Spent oil will be burn with bagasse in furnace
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not any
	Others if any:	not any
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	--	4- 5.5	6.5 - 8.5	5.5 to 9.0
2	BOD	mg/lit	1500 - 3000	< 30	30
3	COD	mg/lit	2500 - 6000	< 250	250
4	Total Dissolved solids	mg/lit	1800 - 2500	< 2100	2100
5	Total Suspended Solids	mg/lit	600 - 800	< 100	100

Amount of effluent generation (CMD):	720
Capacity of the ETP:	1000 CMD
Amount of treated effluent recycled :	720
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	The note is attached as Annexure 1
Disposal of the ETP sludge	ETP sludge will be used in composting process with pressmud and will be used manure

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent oil	5.1	MT/annum	7 - 8	5 - 6	10 - 15	Burnt into boiler

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 2051.28 TPD	1	NA	NA	130 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Bagasse	1139.6 TPD	911.68 TPD	2051.28 TPD
41.Source of Fuel		Own sugar factory		
42.Mode of Transportation of fuel to site		Fuel is available within the factory hence transportation is not required		

43.Green Belt Development	**Total RG area :**	28 acre
	No of trees to be cut :	Not any
	Number of trees to be planted :	Approx 1120 - 1500 no of trees will be planted
	List of proposed native trees :	The indigenous trees will be planted. Babhul, Subabhul, Neem, Gulmohar, Aavala, Karanj, Shisham, Kanher etc
	Timeline for completion of plantation :	Two 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	Azadiracta indica	Neem	110	Fly ash tolerant ,Tolerant of alkaline and Saline soil, common in the area
2	Acacia leucophloea	Subhabul	125	Tolerant to air pollution, very common in the region
3	Aegal marmalose	bel	70	Tolerant to air pollution, very common in the region
4	Acacia nilotica	Bhabul	125	Dust tolerant, very common in the region
5	Cordia spp.	Bhokar	45	Dust tolerant
6	Delonix regia	Gulmohor	115	Fly ash tolerant
7	Ficus bengalensis	Wad	70	Fluoride tolerant, common in the region
8	Tamarindus indica	Chinch	125	Tolerant to acidic soil
9	Nerium odoratum	Kanher	110	Tolerant of SO2, common
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 cogeneration plant within the factory
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	2 of 1250 kVA capacity each
	During Operation phase (Connected load):	2 of 1250 kVA capacity each
	During Operation phase (Demand load):	23 KW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 of 1250 kVA capacity each
	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
Boiler	Electrostatic precipitator	Electrostatic precipitator

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	EMP cost	EMP cost including all sections	50 lakh	7 lakhs

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	--
	Width of all Internal roads (m):	6 m wide
	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	Category B, 5 (j)
	Court cases pending if any	Not any
	Other Relevant Informations	Not any
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

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(j)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR isused by MoEF & CC published in April, 2015 in 140th meeting held on 20.07.2017.

Public Hearing is applicable as per EIA Notification, 2006.

Draft Terms of Reference (TOR) have been discussed and finalized during 140th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

1. PP to submit an undertaking that they have not violated the provisions of EIA Notification, 2006 and amendment thereof.

2. PP to carry out life cycle analysis for activities involved in the manufacturing process and related activities with the factory premises and include the same in the EIA report.

3. PP to submit detailed water balance chart showing consumption and recycle, reuse.

4. PP to provide Sewage Treatment Plant for domestic sewage and mark the location on layout plan.

5. PP to include proposed CSR activities in the EIA/EMP Report.

DECISION OF SEAC

During deliberations with the PP and their accredited consultant it was observed that PP was not having adequate information with them to present the case.

Inadequacies in the EIA/EMP report were brought to the notice of the PP and their accredited consultant for compliance.

Hence, deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

158th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Aarti Industries Limited . Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivali, Dist.- Thane

Is a Violation Case: No

1.Name of Project	Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra Salvi
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. D- 55, 56, 57, 59 & 60
9.Taluka	Kalyan
10.Village	Sagarli
11.Area of the project	Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1914
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	3760 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
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	322800000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable

25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Bambuterol Hydrochloride	00	0.42	0.42
2	R-Salbutamol Sulphate	00	0.83	0.83
3	Deferiprone	00	0.42	0.42
4	Ranolazine	0.2	(-)0.2	00
5	Phenylpherine Hydrochloride	0.4	0.85	1.25
6	Budesonode (TTR)	0.03	(-)0.03	00
7	PAN-IV (1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	0.03	(-)0.03	00
8	FLY -X (N-[(S)-1-Carbethoxy-1-butyl]-(S)-alanine)	0.03	0.29	0.32
9	BA - III (N-[4-cyano-3-(trifluromethyl)phenyl]-2-methyl[(4-flurophenyl)-thio]]-2-hydroxy-2-methylproponamide)	0.03	(-)0.03	00
10	TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate)	0.03	0.47	0.5
11	Peridopril Erbumine	00	0.17	0.17
12	TTR IV ((1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	00	0.1	0.1
13	FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H- Indole-2-carboxylate 4-Methylbenezenesulfonate)	00	0.43	0.43
14	PR-38 - 4-[2-(1-Azepanyl)Ethoxyl Benzyl Chloride Hydrochloride	--	--	--
15	PR-86 - t-butyl-hydroxycyclohexyl methacrylate	--	--	--
16	PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE)	--	--	--
17	PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE)	--	--	--
18	PR-91 - (S)-2-AMINO-5-METHOXYTETRALINE HYDROCHLORIDE	--	--	--
19	PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride	--	--	--
20	PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate)	--	--	--
21	PR-116 (S)-(TETRAHYDROFURAN-3-YL) HYDRAZINE HYDROCHLORIDE	--	--	--
22	PR-156 - (2-Bromo-4-nitro imidazole)	--	--	--
23	PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane	--	--	--
24	PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE	--	--	--
25	PR-181 - CHLOROMETHYL CHLORO SULFATE	--	--	--
26	Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM	00	2.25	2.25
27	Total	0.748	5.922	6.67

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	5.5	13	18.5	1.1	2.9	4	4.4	10.1	14.5
Industrial Process	21	14	35	8.6	5.8	14.4	12.4	8.2	20.6
Cooling tower & thermopack	4	1.5	5.5	3.2	1.2	4.4	0.8	0.3	1.11
Gardening	2	4	6	2	4	6	0	0	0

Fresh water requirement	32.5	37.5	65	14.9	13.9	28.8	17.8	18.6	36.2

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	will submit in EIA report
	Size and no of RWH tank(s) and Quantity:	will submit in EIA report
	Location of the RWH tank(s):	will submit in EIA report
	Quantity of recharge pits:	will submit in EIA report
	Size of recharge pits :	will submit in EIA report
	Budgetary allocation (Capital cost) :	will submit in EIA report
	Budgetary allocation (O & M cost) :	will submit in EIA report
	Details of UGT tanks if any :	1. Methanol (25 KL) 2. IPA (25 KL) 3. Toluene (25 KL) 4. Acetone (25 KL) 5. Ethyl Acetate (25 Kl)

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

Sewage and Waste water	**Sewage generation in KLD:**	20
	STP technology:	Conventional technology will be used
	Capacity of STP (CMD):	1 No. 25 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	Rs 2500000
	Budgetary allocation (O & M cost):	100000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	Nil
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	250 kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking
	Area for the storage of waste & other material:	Dedicated area is allocated near ETP
	Area for machinery:	1914 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 342300000
	O & M cost:	Rs 3400000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8	ZLD	5.5-9.0
2	BOD	mg/lit	2500-3500	ZLD	<100
3	COD	mg/lit	5000-6000	ZLD	<250
4	TDS	mg/lit	2000-300	ZLD	<2100
5	Oil & Grease	mg/lit	<20	ZLD	<10

Amount of effluent generation (CMD):	21.7 CMD
Capacity of the ETP:	35 CMD
Amount of treated effluent recycled :	35 CMD
Amount of water send to the CETP:	ZLD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary, Secondary, Tertiary , MEE & ZLD
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Carbon	28.2	MTPA	6.18	00	6.18	CHWTSDF
2	Spent Mother Liquor	28.4	MTPA	12	6	18	Sale to authorized party
3	ETP Sludge	34.3	MTPA	8.6	8.1	16.7	CHWTSDF
4	MEE Salts	37.3	MTPA	90	179	269	CHWTSDF
5	Distillation Residue	20.3	MTPA	0	1.2	1.2	CHWTSDF
6	Process Waste & Residue	28.1	MTPA	0	3	3	CHWTSDF
7	Contaminated Filter Bags	36.1	MTPA	0	1.2	1.2	CHWTSDF

8	Used/spent oil	5.1	MTPA	0	5.4	5.4	Sale to authorized party

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 (one stand by & one operating)	FO = 2.04 T/Day	01 combined stack	30	0.4	125 deg. C
2	Thermo pack (one stand by & one operating)	LDO = 510 lit/day	01 combined stack	22	0.25	150 deg. C
3	DG Sets (no 02)	HSD = 600 lit/month	042separate stack	4.2-5	0.15	135 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	L.D.O	150 lit/day	360 lit/day	510 lit/day
2	FO	00	2040 kg/day	2040 Kg/day
3	HSD	420 lit/month	180 lit/month	600 lit/month
41.Source of Fuel		Oil companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	612 sq. m.
	No of trees to be cut :	No tree will be cut
	Number of trees to be planted :	150
	List of proposed native trees :	Tectona grandis, terminalia arjuna, Ficus bengalensis, Ficus religiosa, Azardirachta indica, Sizigium cumini, Cassia fistula, Bougainvillea spectabillis, Lantana camara, etc.
	Timeline for completion of plantation :	Within Five year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Terminalia arjuna	Arjun	25	pollution resistant and Native
2	Tectona grandis	Teak, saag	25	pollution resistant and Native
3	ficus bengalensis	Vaad	7	pollution resistant and Native
4	Ficus religiosa	Pimpal	8	pollution resistant and Native
5	Azardirachta indica	Neem	15	pollution resistant and Native
6	Syzigium cumini	Jamun	15	pollution resistant and Native
7	cassia fistula	Bahava	15	pollution resistant and Native
8	Bougainvillea spectabillis	Bouganvel	15	pollution resistant and Native
9	Lantana camara	Ghaneri	25	pollution resistant and Native
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):	Existing : 500 KW ;Proposed : 1060 KW
	During Operation phase (Demand load):	Existing : 350 KW; Proposed : 750 KW
	Transformer:	Existing : 515 KVA ;Proposed : 1130 KVA
	DG set as Power back-up during operation phase:	Existing 02 DG with capacity 250 KVA (2 No.) ; 200 KVA (1 no); 250 KVA Replaced by 380 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line passing through through the plot

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
Air	Stack of adequate height	Stack of adequate height
Water	ETP ,RO and MEE	ETP ,RO and MEE
Noise	Acoustic enclosure	Acoustic enclosure
Solid Waste	Disposal to MWML	Disposal to MWML

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	35 lac
	O & M cost:	7 lac

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	2 no. stacks	10	0.5
2	Water Pollution	ETP	340	16
3	Domestic Effluent	STP	20	1
4	Noise	Acoustic enclosures	5	nil
5	Process emmisions	3 no. Scrubbers	16.5	3.3

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
IPA	Liquid	Under Ground	25 KL	25 KL	10	Local	Road
Toluene	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Acetone	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
Ethyl Acetate	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Ammonia	Liquid	Tank farm	5 KL	5 KL	1	Local	Road
MDC	Liquid	Tank Farm	5 KL	5 KL	2	Local	Road
Acetic Anhydride	Liquid	Tank Farm	5 KL	5 KL	1	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	414
	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):	3 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no protected area in 10 km circle
	Category as per schedule of EIA Notification sheet	5 (f) B (1)
	Court cases pending if any	Nil
	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
1. Name of Project	Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals	Environmental Clearance for proposed expansion project of manufacturing of API, API intermediates and Specialty Chemicals Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivli, Dist.- Thane
3. Name of Project Proponent	Mr. Narendra Salvi	Mr. Narendra Salvi, Aarti Industries Limited
5. Type of Project	Not Applicable	Industrial
11. Area of the project	Municipal corporation	M.I.D.C. phase II Dombivli
18. Proposed Built-up Area (FSI & No-FSI)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.):	FSI Area (Sq. m): 99.77 Non FSI Area (Sq. m): -361.0 Total BUA Area (Sq. m): -261.23
19. Total Ground Coverage (M2)	Not applicable	1255.44
20. Ground-coverage percentage (%) (Note: Percentage of plot not open to sky)	Not applicable	33.3%
21. Estimated cost of the project (In Lacs)	322800000	395000000

27. Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA	12 m
28. Turning Radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable	9 m
29. Existing structure (s) if any	Not applicable	Manufacturing area, utility area, storage area, etc.
31. Production Details	1. Bambuterol Hydrochloride: Existing 00 MT/M, Proposed 0.42 MT/M, Total 0.42 MT/M	1. Bambuterol Hydrochloride: Existing 00 TPA, Proposed 5.0 TPA, Total 5.0 TPA
31. Production Details	2. R-Salbutamol Sulphate Existing 00 MT/M, Proposed 0.83 MT/M, Total 0.83 MT/M	2. R-Salbutamol Sulphate Existing 00 TPA, Proposed 10 TPA, Total 10 TPA
31. Production Details	3. Deferiprone Existing 00 MT/M, Proposed – 0.42 MT/M, Total – 0.42 MT/M	3. Deferiprone Existing 00 TPA, Proposed – 5 TPA, Total 5 TPA
31. Production Details	4. Ranolazine Existing 0.2 MT/M, Proposed – (-) 0.2 MT/M, Total – 0.00 MT/M	4. Ranolazine Existing 2.4 TPA, Proposed – (-)2.4 TPA, Total 00 TPA
31. Production Details	5. Phenylpherine Hydrochloride Existing 0.4 MT/M, Proposed – 0.85 MT/M, Total – 1.25 MT/M	5. Phenylpherine Hydrochloride Existing 4.8 TPA, Proposed – 10.2 TPA, Total 15 TPA
31. Production Details	6. Budesonode (TTR) Existing 0.03 MT/M, Proposed – (-) 0.03 MT/M, Total – 00 MT/M	6. Budesonode (TTR) Existing 0.3552 TPA, Proposed – (-) 0.3552 TPA, Total 00 TPA
31. Production Details	7.PAN-IV(1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.) Existing 0.03 MT/M, Proposed – (-) 0.03 MT/M, Total – 00 MT/M	7.PAN-IV(1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.) Existing 0.3552 TPA, Proposed – (-) 0.3552 TPA, Total 00 TPA
31. Production Details	8. FLY -X (N-[(S)-1-Carbethoxy-1-butyl]-(S)-alanine) Existing 0.03 MT/M, Proposed –0.29 MT/M, Total – 0.32 MT/M	8. FLY -X (N-[(S)-1-Carbethoxy-1-butyl]-(S)-alanine) Existing 0.3552 TPA, Proposed – 3.4448 TPA, Total 3.8 TPA
31. Production Details	9. BA - III (N-[4-cyano-3-(trifluromethyl)phenyl]-2-methyl[(4-flurophenyl)-thio]]-2-hydroxy-2-methylproponamide) Existing 0.03 MT/M, Proposed – (-) 0.03 MT/M, Total – 00 MT/M	9. BA - III (N-[4-cyano-3-(trifluromethyl)phenyl]-2-methyl[(4-flurophenyl)-thio]]-2-hydroxy-2-methylproponamide) Existing 0.3552 TPA, Proposed – (-) 0.3552 TPA, Total 00 TPA
31. Production Details	10. TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate) Existing 0.03 MT/M, Proposed 0.47MT/M, Total – 0.5 MT/M	10. TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate) Existing 0.3552 TPA, Proposed – 5.6448 TPA, Total 6.0 TPA
31. Production Details	11. Peridopril Erbumine Existing 0.0 MT/M, Proposed 0.17 MT/M, Total – 0.17 MT/M	11. Peridopril Erbumine Existing 0 TPA, Proposed – 2 TPA, Total 2 TPA
31. Production Details	12. TTR IV ((1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione. Existing 0.0 MT/M, Proposed 0.1 MT/M, Total – 0.1 MT/M	12. TTR IV ((1ß,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione. Existing 0 TPA, Proposed – 1 TPA, Total 1 TPA
31. Production Details	13. FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H-Indole-2-carboxylate 4-Methylbenezenesulfonate) Existing 0.0 MT/M, Proposed 0.43 MT/M, Total – 0.43 MT/M	13. FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H-Indole-2-carboxylate 4-Methylbenezenesulfonate) Existing 0 TPA, Proposed – 5.2 TPA, Total 5.2 TPA
31. Production Details	14. PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride 15. PR-86 - t-butyl-hydroxycyclohexyl methacrylate 16. PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE) 17. PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE) 18. PR-91 - (S)-2-AMINO-5-Methoxytetraline Hydrochloride 19. PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride 20. PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate) 21. PR-116-(S)-(Tetrahydrofuran-3-Yl)Hydrazine Hydrochloride 22. PR-156 - (2-Bromo-4-nitro imidazole) 23. PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane 24. PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE) 25. PR-181 - CHLOROMETHYL CHLORO SULFATE Existing 0.0 MT/M, Proposed 2.25 MT/M, Total – 2.25 MT/M Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM	14. PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride 15. PR-86 - t-butyl-hydroxycyclohexyl methacrylate 16. PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE) 17. PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE) 18. PR-91 - (S)-2-AMINO-5-Methoxytetraline Hydrochloride 19. PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride 20. PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate) 21. PR-116-(S)-(Tetrahydrofuran-3-Yl)Hydrazine Hydrochloride 22. PR-156 - (2-Bromo-4-nitro imidazole) 23. PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane 24. PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE) 25. PR-181 - CHLOROMETHYL CHLORO SULFATE Existing 0 MTA, Proposed 27 MTA, Total – 27 MTA Note - Combine production capacity of (Sr. No 14 to 25) PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 27 TPA
33. Details of Total water consumed	Domestic: Consumption (Existing 5.5 CMD, Proposed 13 CMD, Total 18.5 CMD), Loss (Existing 1.1 CMD, Proposed 2.9 CMD, Total 4 CMD), Effluent (Existing 4.4 CMD, Proposed 10.1 CMD, Total 14.5 CMD)	Domestic: Consumption (Existing 5.5 CMD, Proposed 7.5 CMD, Total 13 CMD), Loss (Existing 1.1 CMD, Proposed 0.9 CMD, Total 2.0 CMD), Effluent (Existing 4.4 CMD, Proposed 6.6 CMD, Total 11 CMD)
33. Details of Total water consumed	Industrial Processing Consumption (Existing 21 CMD, Proposed 14 CMD, Total 35 CMD), Loss (Existing 8.6 CMD, Proposed 5.8 CMD, Total 14.4 CMD), Effluent (Existing 12.4 CMD, Proposed 8.2 CMD, Total 20.6 CMD)	Industrial Processing Consumption (Existing 3 CMD, Proposed 10 CMD, Total 13 CMD), Loss (Existing 0.5 CMD, Proposed 1 CMD, Total 1.5 CMD), Effluent (Existing 2.5 CMD, Proposed 9 CMD, Total 11.5 CMD)
33. Details of Total water consumed	Cooling tower & Thermopack Consumption (Existing 4 CMD, Proposed 1.5 CMD, Total 5.5 CMD), Loss (Existing 3.2 CMD, Proposed 1.2 CMD, Total 4.4 CMD), Effluent (Existing 0.8 CMD, Proposed 0.3 CMD, Total 1.11 CMD)	Cooling tower & Thermopack Consumption (Existing 4 CMD, Proposed 58 CMD, Total 62 CMD), Loss (Existing 2.7 CMD, Proposed 50.3 CMD, Total 53 CMD), Effluent (Existing 1.3 CMD, Proposed 7.7 CMD, Total 9 CMD)
33. Details of Total water consumed	Gardening Consumption (Existing 2 CMD, Proposed 4 CMD, Total 6 CMD), Loss (Existing 2 CMD, Proposed 4 CMD, Total 6 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)	Gardening Consumption (Existing 0 CMD, Proposed 6 CMD, Total 6 CMD), Loss (Existing 0 CMD, Proposed 6 CMD, Total 6 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)
33. Details of Total water consumed	Fresh water Requirement Consumption (Existing 32.5 CMD, Proposed 37.5 CMD, Total 65 CMD), Loss (Existing 14.9 CMD, Proposed 13.9 CMD, Total 28.8 CMD), Effluent (Existing 17.8 CMD, Proposed 18.6 CMD, Total 36.2 CMD)	Fresh water Requirement Consumption (Existing 12.5 CMD, Proposed 81.5 CMD, Total 94 CMD), Loss (Existing 4.3 CMD, Proposed 58.2 CMD, Total 62.5 CMD), Effluent (Existing 8.2 CMD, Proposed 23.3 CMD, Total 31.5 CMD)
34. Rain Water Harvesting (RWH)	i) Level of the Ground water table: will submit in EIA report ii) Size and no of RWH tank(s) and Quantity: will submit in EIA report iii) Location of the RWH tank(s): will submit in EIA report vi) Budgetary allocation (Capital cost): will submit in EIA report vii) Budgetary allocation (O & M cost): will submit in EIA report	i) Level of the Ground water table: 5-10 m ii) Size and no of RWH tank(s) and Quantity: 30 m3, 1 No. iii) Location of the RWH tank(s): Near fire water tank vi) Budgetary allocation (Capital cost): Rs. 4.05 Lakhs vii) Budgetary allocation (O & M cost): Rs. 10,000/A
35. Storm water drainage	i) Natural water drainage pattern: Provided by MIDC ii) Quantity of storm water: NA iii) Size of SWD: NA	i) Natural water drainage pattern: Provided as per natural slope ii) Quantity of storm water: 39.3 lit/s iii) Size of SWD: 0.5m x 0.5m
36. Sewage and waste water	i) Sewage generation KLD: 20 v) Budgetary allocation (Capital cost): Rs. 25,00,000 vi) Budgetary allocation (O & M cost): 100000	i) Sewage generation KLD: 11 v) Budgetary allocation (Capital cost): Rs. 22,00,000 vi) Budgetary allocation (O & M cost): Rs. 1.6 Lakhs/A
37. Solid waste Management b. Waste generation in the operation Phase	Dry Waste: NA	Dry Waste: Spent Carbon (Process): 50 TPA Spent Catalyst: 40 TPA ETP Sludge: 47 TPA MEE Salts: 185 TPA Distillation Residue: 90 TPA Process Waste & Residue: 40 TPA Contaminated Filter Bags: 1.2 TPA Discarded Drums: 2500 Nos/A
37. Solid waste Management b. Waste generation in the operation Phase	Wet Waste: NA	Wet Waste: Spent Mother Liquor/Solvent: 1600 TPA Used/spent oil: 90 TPA
37. Solid waste Management b. Waste generation in the operation Phase	Hazardous waste: kindly refer point no. 45	Hazardous waste: Spent Carbon (Process): 50 TPA Spent Catalyst: 40 TPA ETP Sludge: 47 TPA MEE Salts: 185 TPA Distillation Residue: 90 TPA Process Waste & Residue: 40 TPA Contaminated Filter Bags: 1.2 TPA Discarded Drums: 2500 Nos/A Spent Mother Liquor/Solvent: 1600 TPA Used/spent oil: 90 TPA
37. Solid waste Management b. Waste generation in the operation Phase	Biomedical waste (If applicable): NA	Biomedical waste (If applicable): 20 Kg/A
37. Solid waste Management b. Waste generation in the operation Phase	STP Sludge (Dry sludge): 250 kg	STP Sludge (Dry sludge): 2.0 TPA
37. Solid waste Management b. Waste generation in the operation Phase	Others if any: NA	Others if any: E-Waste: 0.1 TPA Battery waste: 0.5 TPA
37. Solid waste Management c. Mode of Disposal of waste:	Dry waste: NA	Dry waste: CHWTSDF or Sale to authorized party/recycler
37. Solid waste Management c. Mode of Disposal of waste:	Wet waste: NA	Wet waste: CHWTSDF or Sale to authorized party/recycler
37. Solid waste Management c. Mode of Disposal of waste:	Hazardous waste: CHWTSDF, MWML, Taloja	Hazardous waste: CHWTSDF or Sale to authorized party/recycler
37. Solid waste Management c. Mode of Disposal of waste:	Biomedical waste (If applicable): NA	Biomedical waste (If applicable): Authorized BMW disposal site
37. Solid waste Management c. Mode of Disposal of waste:	STP Sludge (Dry sludge): Will be used as manure for gardening	STP Sludge (Dry sludge): Used as manure

37. Solid waste Management c. Mode of Disposal of waste:	Others if any: NA	Others if any: Sale to authorized dismantlers / Recyclers/Buyback
37. Solid waste Management d. Area requirement	Location(s): Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking	Location(s): Near ETP
37. Solid waste Management d. Area requirement	Area for the storage of waste & other material Dedicated area is allocated near ETP	Area for the storage of waste & other material : Dedicated storage area is provided to Hazardous waste storage
37. Solid waste Management d. Area requirement	Area for machinery: 1914 m2	Area for machinery: Not applicable
37. Solid waste Management E. Budgetary allocation (Capital cost and O&M cost)	i) Capital cost: Rs. 3423000000 ii) O & M cost Rs. 3400000	i) Capital cost Rs. 6.35 cr ii) O & M cost Rs. 73.75 Lakhs/A
38. Effluent Characteristics	Inlet Effluent Characteristics: Parameters (pH: 7-8, BOD: 2500-3500 mg/lit, COD 5000-6000 mg/lit, TDS: 2000-300 mg/lit, oil & grease: <20 mg/lit), Outlet Effluent Characteristics: Parameters (pH: ZLD, BOD: ZLD, COD: ZLD, TDS: ZLD, oil & grease: ZLD), Effluent discharge standards (MPCB): Parameters (pH: 5.5-9.0, BOD: <100 mg/lit, COD <2500 mg/lit, TDS: <2100 mg/lit, oil & grease: <10 mg/lit)	Multiple Effect Evaporator Inlet to MEE- Parameters (Flow: 11.77 CMD, pH: 6.5-7, COD 18000-19000 mg/lit, TDS: 30000-31000 mg/lit), Reject from RO- Parameters (Flow: 7 CMD, pH: 7.0-7.5, COD <200mg/lit, TDS: 6500-7500 mg/lit), Outlet from MEE- Parameters (Flow: 22.5 (18.77+3.73)CMD, pH: 7.0-7.5, COD 9000-10000 mg/lit, TDS: < 100 mg/lit),
38. Effluent Characteristics	--------	ETP treatment Inlet to primary- Parameters (Flow: 34.5 (12+22.5 evaporator outlet) CMD, pH: 6-6.5, COD 6000-6500 mg/lit, BOD3, 27°C 3000-3300 mg/lit, TDS: 1000-1500 mg/lit, TSS 150-200 mg/lit), Outlet from primary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 4000-5000 mg/lit, BOD3, 27°C 2000-2500 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit), Outlet from secondary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 600-650 mg/lit, BOD3, 27°C 50-100 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit), Outlet from tertiary- Parameters (Flow: 34.5 CMD, pH: 7-7.5, COD 200-250 mg/lit, BOD3, 27°C <100 mg/lit, TDS: 1000-1500 mg/lit, TSS 50-100 mg/lit),
38. Effluent Characteristics	--------	Reverse Osmosis Inlet to RO- Parameters (Flow: 34.5 CMD, pH: 7-7.5, TDS: 1000-1500 mg/lit), Permeate- Parameters (Flow: 27.5 CMD, pH: 7-7.5, TDS: <100 mg/lit), Reject- Parameters (Flow: 7 CMD, pH: 7-7.5, TDS: 6500-7500mg/lit),
38. Effluent Characteristics	Amount of effluent : 21.7 CMD	Amount of effluent generation (CMD) : Effluent from Industrial Processing (8.5 CMD), from washing (3 CMD), cooling tower & boiler blow down (9.0 CMD) will be (20.5 CMD) treated in MEE,ETP and RO. Additional 3.2 CMD Effluent from plant D 53 & D 54 will also be treated in the same ETP. Out of that high COD and TDS from process 11.77 CMD along with RO reject 7 CMD will be treated in MEE. Low TDS stream 12 CMD along with treated effluent from MEE (18.77 CMD) and steam condensate (3.73 CMD) will be treated in conventional ETP, so the total effluent load considering RO reject 7 + steam condensate 3.73 will be 34.5 CMD. Unit will be a complete ZLD unit.
38. Effluent Characteristics	Amount of treated effluent Recycled: 35 CMD	Amount of treated effluent Recycled: 27.5 CMD
38. Effluent Characteristics	Membership of CETP (if require): Yes	Membership of CETP (if require): Not Applicable, ZLD Unit
38. Effluent Characteristics	Note on ETP technology to be used: Primary, Secondary, Tertiary, MEE & ZLD	Note on ETP technology to be used: High COD & TDS stream from process will be treated in Multi Effect Evaporator (MEE). Treated effluent and steam condensate from MEE along with Low COD and Low TDS stream will be treated in full-fledged ETP. Final treated water will be passed through RO and RO permeate is recycled and reused. RO reject is fed to MEE to achieve Zero Liquid Discharge.
39. Hazardous Waste Details	Spent Carbon- Cat. No 28.2 Existing 6.18 TPA, Proposed 00 TPA, Total 6.18 TPA Disposal CHWTSDF	Spent Carbon- Cat. No. 28.3 Existing 6.0 TPA, Proposed 44.0 TPA, Total 50.0 TPA. Disposal CHWTSDF
39. Hazardous Waste Details	Spent Mother Liquor/Solvent- Cat. No. 28.4 Existing 12 TPA, Proposed 6 TPA, Total 18 TPA Disposal Sale to authorized party	Spent Mother Liquor/Solvent- Cat. No. 28.6 Existing 120 TPA, Proposed 1480 TPA, Total 1600 TPA Disposal Sale to authorized party.
39. Hazardous Waste Details	ETP Sludge- Cat. No. 34.3 Existing 8.6 TPA, Proposed 8.1 TPA, Total 16.7 TPA Disposal CHWTSDF	ETP Sludge- Cat. No. 35.3 Existing 3.6 TPA, Proposed 43.4 TPA, Total 47 TPA Disposal CHWTSDF
39. Hazardous Waste Details	MEE Salts- Cat. No. 37.3 Existing 90 TPA, Proposed 179 TPA, Total 269 TPA Disposal CHWTSDF	MEE Salts- Cat. No. 35.3 Existing 90 TPA, Proposed 95 TPA, Total 185 TPA Disposal CHWTSDF
39. Hazardous Waste Details	Distillation Residue- Cat. No. 20.3 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA Disposal CHWTSDF	Distillation Residue- Cat. No. 20.3 Existing 0 TPA, Proposed 90 TPA, Total 90 TPA. Disposal CHWTSDF
39. Hazardous Waste Details	Process Waste & Residue- Cat. No. 28.1 Existing 0 TPA, Proposed 3 TPA, Total 3 TPA Disposal CHWTSDF	Process Waste & Residue- Cat. No. 28.1 Existing 0 TPA, Proposed 40 TPA, Total 40 TPA Disposal. CHWTSDF
39. Hazardous Waste Details	Contaminated Filter Bags- Cat. No. 36.1 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA Disposal CHWTSDF	Contaminated Filter Bags- Cat. No. 33.1 Existing 0 TPA, Proposed 1.2 TPA, Total 1.2 TPA. Disposal CHWTSDF
39. Hazardous Waste Details	Used/spent oil- Cat. No. 5.1 Existing 0 TPA, Proposed 5.4 TPA, Total 5.4 TPA Disposal Sale to authorized party	Used/spent oil- Cat. No. 5.1 Existing 0 TPA, Proposed 90 TPA, Total 90 TPA Disposal. Sale to authorized party
39. Hazardous Waste Details	--------	Spent Catalyst- Cat. No. 28.2 Existing 0 TPA, Proposed 40 TPA, Total 40 TPA. Disposal Regenerated through authorized recycler.
39. Hazardous Waste Details	--------	Discarded Drums- Cat. No. 33.1 Existing 0 Nos., Proposed 2500 Nos., Total 2500 Nos. Disposal Sale to authorized recycler.
39. Hazardous Waste Details	------	Other Waste: E-Waste- Existing 0 TPA, Proposed 0.1 TPA., Total 0.1 TPA Disposal Sale to authorized dismantlers / Recyclers.
39. Hazardous Waste Details	--------	Other Waste: Battery waste- Existing 0 TPA, Proposed 0.2 TPA., Total 0.2 TPA Disposal Returned to battery manufacturer through authorized dealer on buy back procurement
39. Hazardous Waste Details	--------	Other Waste: Biomedical Waste- Existing 0 TPA, Proposed 20 kg/A., Total 20 kg/A., Disposal Disposed to Authorized BMW disposal authority
39. Hazardous Waste Details	--------	Non Haz. Waste: Waste paper, Sweeping material, Etc. Existing 0 TPA, Proposed 0.5 TPA., Total 0.5 TPA Disposal Sale to authorized recycler
39. Hazardous Waste Details	--------	Non Haz. Waste: Pallet Existing 0 Nos., Proposed 1000 Nos., Total 1000 Nos. Disposal Sale to authorized recycler
39. Hazardous Waste Details	--------	Non Haz. Waste: STP Sludge Existing 0 TPA, Proposed 2.0 TPA., Total 2.0 TPA. Disposal Used as manure for gardening
40.Stacks emission Details	1. Section & units - Boiler (one stand by & one operating), Fuel Used with Quantity- FO = 2.04 T/Day, Stack No-01 combined stack, Height from Ground level (m)- 30, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 125 OC	1. Section & units - Existing Boiler 2 TPH, Fuel Used with Quantity- 150 lit/day LDO will be replaced by FO 1020 Kg/d, Stack No-1, Height from Ground level (m)- 35 m combined, Internal Diameter (m)- 0.5, Temp. of Exhaust Gases- 135 OC
40.Stacks emission Details	----------	2. Section & units - Proposed Boiler 3 TPH, Fuel Used with Quantity- FO 3800 Kg/day or CNG 3200 Kg/Day, Stack No-1, Height from Ground level (m)- 35 m combined for both boilers, Internal Diameter (m)- 0.5, Temp. of Exhaust Gases- 135 OC
40.Stacks emission Details	2. Section & units - Thermo pack (one stand by & one operating), Fuel Used with Quantity- LDO = 510 lit/day, Stack No-01 combined stack, Height from Ground level (m)- 22, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC	3. Section & units - Proposed Thermo pack 0.5 Lac Kcal/hr, Fuel Quantity- LDO 112 Kg/D, Stack No-1, Height from Ground level (m)- 22 m combined for both Thermopacks, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 140 OC
40.Stacks emission Details	----------	4. Section & units - Proposed TFH 1.0 LacKcal/hr, Fuel Quantity- LDO 225 Kg/D, Stack No-1, Height from Ground level (m)- 22 m combined for both Thermopacks, Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 140 OC
40.Stacks emission Details	3. Section & units - DG Sets (no 02), Fuel Used with Quantity- HSD = 600 lit/month, Stack No-042 separate stack, Height from Ground level (m)- 4.2-5, Internal Diameter (m)- 0.15, Temp. of Exhaust Gases- 135 OC	5. Section & units - Existing DG 200 KVA, Fuel Quantity- HSD 55 Lit/hr, Stack No-1, Height from Ground level (m)- 4 m. above enclosure, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC
40.Stacks emission Details	----------	6. Section & units - *Existing DG 250 KVA, Fuel Quantity- HSD 69 Lit/hr, Stack No-1, Height from Ground level (m)- 4.2 m. above enclosure, Internal Diameter (m)- 0.22, Temp. of Exhaust Gases- 150 OC
40.Stacks emission Details	----------	7. Section & units - Proposed DG 380 KVA, Fuel Quantity- HSD 95 Lit/hr, Stack No-1, Height from Ground level (m)- 5 m. above enclosure, Internal Diameter (m)- 0.25, Temp. of Exhaust Gases- 150 OC
40.Stacks emission Details	----------	Note:*DG set of 250 KVA will be replaced by DG set of 380 KVA
41.Details of Fuel to be used	Type of Fuel: LDO (Existing 150 lit/day, Proposed 360 lit/day, Total 510 lit/day)	Type of Fuel: LDO (Existing 150 kg/day, Proposed 187 kg/day, Total 337 kg/day).
41.Details of Fuel to be used	Type of Fuel: FO (Existing 00 lit/day, Proposed 2040 lit/day, Total 2040 lit/day)	Type of Fuel: FO (Existing 00 kg/day, Proposed 4820 kg/day, Total 4820 kg/day)

41.Details of Fuel to be used	Type of Fuel: HSD (Existing 420 lit/month, Proposed 180 lit/month, Total 600 lit/month)	Type of Fuel: HSD (Existing 0.5 lit/hr, Proposed 218.5 lit/hr, Total 219.0 lit/month)
41.Details of Fuel to be used	-------	Type of Fuel: CNG (Existing 00 kg/day, Proposed 3200 kg/day, Total 3200 kg/day)
44. Green Belt Development	i) Total RG Area:612 Sq.m	i) Total RG Area:1255.44 Sq.m
51. Details of pollution control Systems	Budgetary allocation (Capital cost and O&M cost) Capital cost:35 Lac O&M cost:7 Lac	Budgetary allocation (Capital cost and O&M cost) Capital cost:223.15 Lacs O&M cost:185.37/Annum
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	1. Component-Air pollution control, Description- 2 no. stacks, Capital cost Rs. In Lacs-10, Operational and Maintenance cost (Rs. In Lacs/yr)- 0.5	1. Component-Air pollution control, Description-Provision of new stack and increasing height of existing stack, Capital cost Rs. In Lacs-6.0, Operational and Maintenance cost (Rs. In Lacs/yr)- 3.7
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	2. Component- Water pollution, Description- ETP, Capital cost Rs. In Lacs-340, Operational and Maintenance cost (Rs. In Lacs/yr)- 16 3. Component- Domestic Effluent, Description- STP, Capital cost Rs. In Lacs-20, Operational and Maintenance cost (Rs. In Lacs/yr)- 1	2. Component- Water pollution control, Description- Maintenance of Existing ETP, MEE & RO and Provision of New STP, Capital cost Rs. In Lacs-208, Operational and Maintenance cost (Rs. In Lacs/yr)- 107.22
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	3. Component- Noise, Description- Acoustic enclosures, Capital cost Rs. In Lacs-5, Operational and Maintenance cost (Rs. In Lacs/yr)- nil	3. Component- Noise pollution Control, Description-Provision of New DG Set with acoustic enclosure, Capital cost Rs. In Lacs-2.8, Operational and Maintenance cost (Rs. In Lacs/yr)- 0.7
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	---------	4.Component- Occupational Health, Description-Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment, Capital cost Rs. In Lacs-7.11, Operational and Maintenance cost (Rs. In Lacs/yr)- 3.0
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	---------	5.Component- Environmental Monitoring Budget Description- Environmental Monitoring, Capital cost Rs. In Lacs-11, Operational and Maintenance cost (Rs. In Lacs/yr)- 7.1
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	---------	6.Component- Environmental Monitoring Budget Description- Environmental Monitoring, Capital cost Rs. In Lacs-11, Operational and Maintenance cost (Rs. In Lacs/yr)- 7.1
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	---------	7.Component- Hazardous waste Storage & disposal Description- Storage, Transportation and disposal, Capital cost Rs. In Lacs-6.35, Operational and Maintenance cost (Rs. In Lacs/yr)- 73.75
52. Environmental Management plan Budgetary Allocation b. Operation Phase (with Break-up)	---------	8.Component- Green belt Description- Development & Maintenance, Capital cost Rs. In Lacs- 4.5, Operational and Maintenance cost (Rs. In Lacs/yr)- 1.7
54. Traffic Management	Parking area: 414 Sq.m	Parking area: 460.41 Sq.m
54. Traffic Management	Width of all internal roads: 3m	Width of all internal roads: 6m

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 in 140th meeting of SEAC-1 held on 21.07.2017 where in ToR was granted..

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 for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

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

2. PP to submit 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, 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 submit copy of structural stability certificate of existing structures.

5. PP to submit design details of ETP and submit an undertaking for achieving Zero Liquid Discharge.

6. PP to submit hazardous chemical handling protocol.

7. PP to submit design details of scrubber and boiler stack.

8. PP to carry out HAZOP and QRA and submit report. PP to submit copy of on site/off site emergency plan.

9. PP to provide adequate lightening arrestors.

10. PP to submit qualitative and quantitative socio economic impact study report.

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

PP subbmitted the EIA/EMP for appraisal in 156th meeting wherein the proposal was deferred for following reason.

During deliberations with the PP and their accredited consultant it was observed that, PP doesnot have any green belt within the premises and propsoes it out side the plot boundary which is not acceptable as per OM issued by MoEF&CC dated 09.08.2018 which stipulates as below,

" The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department."

PP informed that, they will try to accomodate green belt within the premises and submit revised layout.

In view of above SEAC decided to defer the proposal till PP submits revised layout showing 33% green belt as per requirement.

DECISION OF SEAC

PP informed that, they have obtianed these different plots from different owners. The details of the plots are as below,

Sr.No	MIDC Plot No.	Plot Area in Sq.m.	Date of possession	Date of Amalgamatiomn	Name of earlier owner company	Name of Current Owner company
1	D-55	800	12.08.1979	10.08.2017	Alchemi Dye Chem Pvt. Ltd.	Aarti Drugs
2	D-56	720	13.08.1979	10.08.2017	Gem Chem Industries	Aarti Drugs
3	D-57	720	17.11.1979	10.08.2017	Medics Laboratories	Aarti Drugs
4	D-59	720	09.08.1979	10.08.2017	Argenta Chemical Pvt. Ltd.	Aarti Drugs
5	D-60	800	31.12.1979	10.08.2017	Auromic Chemicals	Aarti Drugs

During deliberations with the PP and their accredited consultant ,it is observed that, total plot area is not suffcient to accomodate 33% green belt. PP proposes 22% green belt within the plot area and propsoes remaining 11% on the adjacent area obtained from MIDC on lease for five years .

The OM issued by MoEF&CC dated 09.08.2018 stipulates as below,

" The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department."

SEAC is of the opinion that, PP can not fulfill the above requirement of green belt development on their industrial plot.

PP submitted that development of 33% green belt at the time of expansion of existing industry is not practically possible because old industrial plots having limitations of the plot size and requested to bring these facts to the notice of the SEIAA and seek their gudance.

In view of above, SEAC decided to refer the matter to the SEIAA for guidance whether deficit of 33% green belt can be compensated thorugh plantation on adjacent MIDC land taken on lease for compliance of the condition as stipulated in the OM issued by MoEF&CC dated 09.08.2018

FINAL RECOMMENDATION

Kindly find SEAC decision above.

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Environment Clearance for proposed industrial project

Is a Violation Case: No

1.Name of Project	Proposed Synthetic Organic Chemical Plant
2.Type of institution	Private
3.Name of Project Proponent	M/s.Omesa Drugs And Chemicals Private Ltd.
4.Name of Consultant	Green Circle Inc.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot.No.D-7, Mahad Industrial Area,
9.Taluka	Mahad
10.Village	Birwadi
Correspondence Name:	Dr. Sanjay Suresh Sawant
Room Number:	Flat.No.C-102,
Floor:	1st Floor,
Building Name:	Ganesh Nabhangan, Sr.No.18/19,
Road/Street Name:	B-20, Raikarnagar, Sinhagad Road,
Locality:	Dhayari,
City:	Pune-411041
11.Area of the project	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)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval from Executive Engineer MIDC, Mahad.
15.Total Plot Area (sq. m.)	1500 m2
16.Deductions	--
17.Net Plot area	1500 m2
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.): 488.50
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)	280 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	18.67%
21.Estimated cost of the project	12600000.0

22.Number of buildings & its configuration

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

1	Building 1	G + 1	10

23.Number of tenants and shops	NA
24.Number of expected residents / users	Workers: 20, Staff: 4.
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)	25 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	FINE CHEMICALS	--	--	--
2	Fendizoic Acid	0	0.5	0.5
3	1-Hydroxybenotriazole	0	2.0	2.0
4	tert-Butyl Hydroquinone	0	1.0	1.0
5	Butylated Hydroxy Anisole	0	0.5	0.5
6	L-Ascorbyl-6-palmitate	0	0.5	0.5
7	Methyl acetoacetate	0	5.0	5.0
8	Mono methyl chloro acetate	0	5.0	5.0
9	PRODUCTS	--	--	--
10	Bronopol	0	4.0	4.0
11	Piracetam	0	0.5	0.5
12	Miconazole Nitrate	0	1.0	1.0
13	Brimonidine Tartarate	0	0.01	0.01
14	Bromfenac Sodium	0	0.01	0.01
15	Nepafenac Sodium	0	0.01	0.01
16	Atenolol	0	0.5	0.5
17	Propranolol	0	0.5	0.5

18	Albendazole	0	1.0	1.0
19	Darunavir	0	0.01	0.01
20	Glycine	0	5.0	5.0
21	Sulphanil amide	0	2.0	2.0
22	Lithium Carbonate	0	1.0	1.0
23	Diclofenic Sodium	0	2.0	2.0
24	Etamsylate	0	1.0	1.0
25	Chlorpromazine	0	0.5	0.5
26	Febuxostat	0	1.0	1.0

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	11 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	NA
Wet season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	11 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	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	1.0	1.0	0	0.1	0.1	0	0.9	0.9
Industrial Process	0	8.5	8.5	0	0.5	0.5	0	8.0	8.0
Cooling tower & thermopack	0	4.0	4.0	0	1.5	1.5	0	2.5	2.5
Gardening	0	0.5	0.5	0	0.5	0.5	0	0.5	0.5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 mtr
	Size and no of RWH tank(s) and Quantity:	4 x 4 x 1 mtr 1 nos
	Location of the RWH tank(s):	Near main gate
	Quantity of recharge pits:	16 cubic mtr
	Size of recharge pits :	2 x 2 x 1 mtr
	Budgetary allocation (Capital cost) :	Rs. 1.93 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.2 Lakhs /annum
	Details of UGT tanks if any :	UGT: 10 cubic mtr
35.Storm water drainage	**Natural water drainage pattern:**	Through MIDC drain
	Quantity of storm water:	778 cubic mtr. Annually
	Size of SWD:	300 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1.0 m3/day
	STP technology:	Sewage shall be treated within the ETP
	Capacity of STP (CMD):	Sewage shall be treated within the ETP
	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:**	Top soil shall be removed for foundation work
	Disposal of the construction waste debris:	Excavated soil shall be stored and will be used for plantation work
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	300 kg /Month (Plastics ,Spent Carbon ,Hyflow)
	Hazardous waste:	300 kg / Month ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Ash: 200 Kg / Month
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	Shall be sent to Authorized waste management unit
	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:	4 x 4 mtr
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6 Lakhs
	O & M cost:	Rs. 1.5 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5-8	6.5-8.5	5.5-9.0
2	TDS	mg/lit	2000	<100	<2100
3	BOD	mg/lit	250-300	<10	<100
4	COD	mg/lit	7000-8000	<50	<250

Amount of effluent generation (CMD):	11.4 m3/day
Capacity of the ETP:	13 m3/day
Amount of treated effluent recycled :	0.9 m3/day
Amount of water send to the CETP:	10.5 m3/day
Membership of CETP (if require):	Applied for Membership
Note on ETP technology to be used	As per MPCB guideline
Disposal of the ETP sludge	Sent To CHWMT

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal

1	Spent Carbon	Schedule I	KG	0	100 KG / M	100 KG / M	Send to CHWMT
2	Spent Hyflow	Schedule I	KG	0	200 KG / M	200 KG / M	Send to CHWMT
3	ETP sludge	Schedule I	KG	0	300 KG /M	300 KG /M	Send to CHWMT

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	BRICKATE/Coal 500 Kg /day	1 nos.	1.2 mtr to 2 .0 mtr	500 mm to 700 mm	110 Degree Celcius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	BRICKATE/Coal	0	200 Kg /day	200 Kg /day
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Local transport		

43.Green Belt Development	**Total RG area :**	NA
	No of trees to be cut :	0
	Number of trees to be planted :	25
	List of proposed native trees :	As per below table
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Lagerstroemia flosregineae	Tamhan	3	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
2	Butea monosperma	Palas	5	Medium sized deciduous tree
3	Bauhinia racemosa	Apta	5	Small tree with small white flowers, Butterfly host plant
4	Cassia fistula	Bahawa	5	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Azadirachta indica	Neem	7	Semi-evergreen tree with medicinal value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	5 HP
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	100 HP
	During Operation phase (Demand load):	75 HP
	Transformer:	Supply of MSEDCL
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. LED Light.
2. Solar System used for Straight Light.
3. Energy saving Equipment Used

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Led Light	100 nos
2	VFD for Reactor	4 nos
3	VFD for Pump	10 nos
4	Lighting Transformer	1 nos

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution from Process,Boiler and DG sets	NA	Scrubber arrangement Installed
Effluent from Process	NA	ETP Installed
Solid &Hazardous waste	NA	Sent to CHWMST

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakhs
	O & M cost:	Rs. 4 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	To control air pollution	Water For Dust Suppression	1
2	To maintain hygienic condition	Site Sanitation, Disinfection& Safety	2
3	Air, water, noise and soil analysis	Environmental Monitoring	2
4	To check fitness of workers	Health Check Up	1
5	NA	TOTAL	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	Air pollution controlling equipments	7	3.5
2	Effluent Treatment Plant	To treat effluent and sewage	25	2.0
3	Noise Pollution	Noise pollution controlling equipment	1	0.5
4	Rain Water Harvesting	To harvest rain water	1.93	0.2
5	Tree Plantation	For green belt development	3	1
6	Energy saving	For use of solar lighting and solar heater	15	4
7	Solid waste management	To treat biodegradable waste	6	1.5
8	Environment Monitoring	Air, water, noise and soil analysis	5	2.5
9	Occupational Health	Health &Safety of worker	1	1
10	NA	TOTAL	64.93	16.2

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
Liq.Bromine (Hazardous)	Liquid	Store Dept. Area 20 Sq.Mtr	12 MT/ Month	10 MT/ Month	4 MT/ Month	Local Vendor	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	41.25 m2
	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):	5 mtr
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. 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.

The proposal was considered in the 151st meeting of SEAC-1 held on 23.05.2018 where in the proposal was deferred for following reason.

"During deliberations with the PP and their accridited consultant it was observed that PP was not having adequate documents like lay out plan, reaction schemes, etc. to present before the committee. In view of above it was very difficult for the SEAC to understand the propsoal and grant ToR. "

PP informed that, they have changed the accredited consultant from Sneha HighTech Products Ltd. to Ecofoot Forward.

The proposal was considered in 156th meeting held on 05.10.2018 wherein it was deferred for following reasons.

During deliberations with the PP and their accridited consultant it was observed that PP was not having adequate documents like lay out plan, reaction schemes, process details etc. to present before the committee. In view of above it was very difficult for the SEAC to understand the propsoal and grant ToR.

Hence Deferred.

DECISION OF SEAC

Draft Terms of Reference (TOR) have been discussed and finalized during the meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

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.

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

Specific Conditions by SEAC:

1) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
2) PP to include detailed water balance calculations along with design details of zero liquid discharge ETP in the EIA report.
3) PP to carry out HAZOP and QRA and submit report
4) PP to submit hazardous chemical handling protocol
5) PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly.
6) PP to include water and carbon foot print monitoring in the Environment Management Plan.
7) PP to use new and renewable energy

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.

158th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Expansion of Synthetic Organic Chemicals Manufacturing facility.

Is a Violation Case: Yes

1.Name of Project	Expansion of Synthetic Organic Chemicals Manufacturing facility at Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik by Spak Orgo Chem (India) Private Limited.
2.Type of institution	Private
3.Name of Project Proponent	Spak Orgo Chem (India) Private Limited.
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	Expansion of existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. H - 8, MIDC Satpur, Tal Nasik, Dist. Nasik, Maharashtra
9.Taluka	Nashik
10.Village	MIDC Satpur
Correspondence Name:	Ameya Jogalekar
Room Number:	H-8, MIDC, Satpur, Dist : Nashik
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Not applicable
Locality:	MIDC Satpur
City:	Nashik
11.Area of the project	Not Applicable
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Consent to establish was obtained from MPCB in the year 2010 and consent to operate with expansion having consent validity upto 31.05.2017 in the year 2012 from the MPCB regional office without obtaining environmental clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan Approved by MIDC
15.Total Plot Area (sq. m.)	4234.85 sq. m
16.Deductions	Not applicable
17.Net Plot area	4234.85 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.):** Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 07-04-2018
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	38707565

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Not Applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Surfactants	76.5	0	76.5
2	Organic Esters	131.3	0	131.3
3	Poly Electrolytes	18.0	0	18.0
4	Amides and other esters and surfactants	60.0	0	60.0

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	3.5	0	3.5	0.5	0	0.5	3.0	0	3.0
Industrial Process	8.0	0	8.0	0	0	0	8.0	0	8.0
Cooling tower & thermopack	19.2	0	19.2	16.5	0	16.5	2.7	0	2.7
Gardening	1	0	1	1	0	1	0	0	0

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:**	3.0 cmd
	STP technology:	Not Applicable as Soak Pit is provided for discharge of sewage generated & overflow if any is used for Gardening.
	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:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	HDPE drums : 50 Nos. / Month & Plastic bags : 400 Nos./ month
	Wet waste:	Not Applicable
	Hazardous waste:	Category 35.3 : ETP sludge - 10 Kg/ Day
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Sale to Authorized party
	Wet waste:	Not applicable
	Hazardous waste:	CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Utility Area
	Area for the storage of waste & other material:	30 Sq. mtr.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	8.5	6.5-7	5.5- 9.0
2	COD	mg/lit	7000-10000	700-1300	< 250
3	BOD	mg/lit	3200	200-275	< 100
4	TDS	mg/lit	3000	0-40	< 2100
5	TSS	mg/lit	10000	150-200	<100
6	Oil & Grease	mg/lit	600	8-9	<10
7	Sulphate	mg/lit	1400-1800	400	< 1000
8	Chlorides	mg/lit	650	<600	< 600

Amount of effluent generation (CMD):	Trade Effluent - 10.7 cmd
Capacity of the ETP:	11 cmd
Amount of treated effluent recycled :	10.7 cmd
Amount of water send to the CETP:	Not Applicable (It is Zero Liquid Discharge Unit)
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Primary, Secondary and Tertiary Treatment including MEE
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	35.3	Kg/day	10	0	10	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (capacity 1.5 Ton/hr)	Briquette 2.47 Ton/day	1	30	0.450	175

2	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	2	20	0.350	170
3	Thermic fluid heater (capacity 2 Lac kcal /hr)	Furnace oil 184 kg/day	3	20	0.350	170
4	DG Set 200 KVA (Proposed)	HSD 20 Lit/hr	4	as per norms	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	2.47 Ton/day	0	2.47 Ton/day
2	Furnace oil	368 kg/day	0	368 kg/day
3	HSD	0 lit/hr	20 Lit/hr	20 Lit/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	as per norms
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Not Applicable
	List of proposed native trees :	Will be provide in EIA
	Timeline for completion of plantation :	Not Applicable

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	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA
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	Will be provide in EIA	Will be provide in EIA	Will be provide in EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	180 KVA
	During Operation phase (Demand load):	180 KVA
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

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 (capacity 1.5 Ton/hr) & TFH (2 nos.) - (capacity 2 Lac kcal /hr each)	Stack height as per CPCB guidelines	Not Applicable
DG Set (200 KVA)	Not Applicable	Stack height as per CPCB guidelines

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	NA	NA	NA	NA

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
P.K.OIL	existing	at site	20 KL	20 KL	51	local	By Road
CFA	existing	at site	20 KL	20 KL	145.3	local	By Road
RBFA/OLEIC ACID	existing	at site	20 KL	20 KL	145.3	local	By Road
Sorbitol Mono Laurate (finish product)	existing	at site	25 KL	25 KL	0	local	By Road
Sorbitol Mono Oleate (finish product)	existing	at site	16 KL	16 KL	0	local	By Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	As per Rule
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f) - B
	Court cases pending if any	No, Not Applicable
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-04-2018

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 grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018, PP applied for the grant of ToR to the MoEF&CC and SEIAA vide Unique ID No. 1199 on 11th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

The proposal was considered in the 151st meeting of SEAC-1 held on 25.05.2018 whrein the proposal was deferred for following reason,

After detailed deliberations with the PP and their accredited cosultant, it was observed that PP was not having adequate information to present to the committee.

Hence deferred.

DECISION OF SEAC

During deliberation PP requested to postpone the case.

Hence deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

158th (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 158th A ,Day-2 **Meeting Date** December 12, 2018

Subject: Environment Clearance for Pacific Organics Pvt Ltd., Plot No.- N-4, Additional Ambernath MIDC, Anandnagar Ambernath East, Dist. Thane

Is a Violation Case: Yes

1.Name of Project	Expansion project for manufacturing of products in the category of pharmaceuticals Intermediates and Speciality chemicals.
2.Type of institution	Private
3.Name of Project Proponent	Rahul Kansingh Rajpurohit (Director)
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No - N - 4
9.Taluka	Ambernath
10.Village	Ambernath
Correspondence Name:	Pacific Organics Pvt Ltd
Room Number:	NA
Floor:	NA
Building Name:	Plot No. N-4
Road/Street Name:	Additional Ambarnath
Locality:	Anandnagar MIDC
City:	Ambarnath (E)
11.Area of the project	Ambernath municipal council, Ambernath-421506.
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2670
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.)	7025 sq.m
16.Deductions	NA
17.Net Plot area	7025 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 18-04-2018
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	90700000

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	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	Manufacturing Shed and office building
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	Tetra butyl ammonium bromide	130	0	130
2	N,N Di isopropylethylamine	30	0	30
3	N butyl bromide	50	0	50
4	N propyl bromide	20	0	20
5	Iso propyl bromide	10	0	10
6	Tetra butyl ammonium hydrogen sulfate	25	0	25
7	Lithium hydroxide	5	25	30
8	Lithium bromide	20	0	20
9	Lithium chloride	5	5	10
10	Lithium carbonate	5	5	10
11	Packing and Repacking of Tetra Butyl Ammonium Bromide,Tetra Butyl ammonium Hydrogen Sulphate & Cyanoacetamide	50	0	50

12	Tri ethyl benzyl ammonium chloride	30	0	30
13	Cyanoacetamide	0	50	50
14	Cobalt Nitrate	0	2	2
15	Cobalt Acetate	0	2	2
16	Cobalt Carbonate	0	3	3
17	Cobalt Chloride	0	2	2
18	Cobalt Sulfate	0	1	1
19	Bismuth Nitrate	0	2	2
20	Bismuth Oxide	0	2	2
21	Bismuth hydroxide	0	2	2
22	Bismuth carbonate	0	3	3
23	Bismuth oxychloride	0	2	2
24	Nickel Nitrate	0	1	1
25	Nickel Carbonate	0	2	2
26	Nickel Acetate	0	1	1
27	Nickel Sulfate	0	1	1
28	Cadmium Nitrate	0	1	1
29	Cadmium Acetate	0	1	1
30	Cadmium Carbonate	0	2	2
31	Cadmium Chloride	0	1	1
32	Cadmium Sulfate	0	1	1
33	Ammonium molybdate	0	1	1
34	Molybdic acid	0	1	1
35	Sodium Molybdate	0	1	1

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	Excess treated water	NA

Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	51
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	51
	Fire fighting - Underground water tank(CMD):	1 lac/liters
	Fire fighting - Overhead water tank(CMD):	Nil
	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	2	4	6	0.2	0.8	1	1.8	3.2	5
Industrial Process	20	5	25	16	+1	17	4	6	10
Cooling tower & thermopack	10	10	20	15	0	15	2.5	2.5	5
Gardening	1	4	5	0	5	5	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	UGT tank having Capacity - 1 Lac/ Lit is available which will be use for Fire fighting.

35.Storm water drainage	**Natural water drainage pattern:**	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Primary, Secondary and Tertiary treatment and treated water will be used for gardening.
	Capacity of STP (CMD):	1 No. and capacity: 10 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	8 lacs
	Budgetary allocation (O & M cost):	20 thousand/M
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Nil
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1. Chemical Sludge from waste water treatment = 3.6 T/A; 2. Activated Carbon = 3.9 T/A
	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:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Manufacturing Area, Admin Area , ETP , STP area etc.
	Area for the storage of waste & other material:	800 sq.m
	Area for machinery:	405 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Included in to total cost
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4 - 9	6.0 – 8.5	5.5 -9.0
2	BOD3 270C	mg/L	400-650	85 - 95	<100
3	COD	mg/L	3000-3500	170 - 200	<250
4	TSS	mg/L	350-450	75 - 90	<100
5	TDS	mg/L	10000-12000	1500-2000	< 2100
6	Oil & Grease	mg/L	10–20	10	<10

Amount of effluent generation (CMD):	15
Capacity of the ETP:	20 CMD
Amount of treated effluent recycled :	NA
Amount of water send to the CETP:	15 CMD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Primary , Secondary , Tertiary and treated effluent sent to CETP
Disposal of the ETP sludge	CHWTSDF,

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from waste water treatment	34.3	T/A	3.6	0	3.6	CHWTSDF
2	Activated Carbon	28.2	T/A	3.9	0	3.9	CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing Boiler 2 No 0.50 TPH each	Briquettes - 2.34 TPD,or Wood - 1.59 TPD, or coal- 1.66 TPD	Common Stack	30	0.3	-
2	Existing Thermopack 1 no 2.0 lac Kcal/hr	Briquette - 1500 kg/Day, or Wood- 1000 kg/Day	Common Stack	30	0.3	-
3	Existing D G 1 no X 200 KVA	HSD or LDO - 500 lit/M	stack above roof top of the building	4.5	0.15	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes or Wood or coal	2.34 TPD , 1.59 TPD , 1.66 TPD respt.	0	2.34 TPD , 1.59 TPD , 1.66 TPD respt.
2	Briquette or Wood	1500 Kg/Day, 1000 Kg/Day Respt.	0	1500 Kg/Day, 1000 Kg/Day Respt.
3	HSD or LDO	500 Lit/M	0	500 Lit/M

41.Source of Fuel	Local Market
42.Mode of Transportation of fuel to site	Tanker / Truck

43.Green Belt Development	**Total RG area :**	1100 Sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	60 Nos.
	List of proposed native trees :	Pimpal, False Ashok , Neem, Palm
	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	Ficus religiosa	Pimpal	5	Dust Resistant and Local Variety
2	Polyalthia longifolia	False Ashok	35	sound Barrier and Local Variety
3	Azardirachta indica	Neem	10	Dust Resistant and Medicinal Value
4	Azardirachta indica	Neem	10	Dust Resistant and Medicinal Value
5	Anthosephalus cadamba	Kadamb	3	Dust barrier and Local variety
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Thevetia pearuviana (Kanher)	1.5 m	15
2	Bougainvillea galvara	2 m	20

47.Energy

Power requirement:	**Source of power supply :**	MSDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	80 KW
	During Operation phase (Demand load):	373 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	200 KVA
	Fuel used:	HSD or LDO
	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	Combine Stack	cyclone
Thermopack	Combine Stack	cyclone
DG	Stack	Stack

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	9.07 Crs.
	O & M cost:	-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	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	Cyclone	For dust collection	6.0	0.5
2	Stack	for dispertion	6.5	1.2

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
Tri n butyl amine	Liquid	Dyke	40	40	82	Imports	Tanker
N butyl bromide	Liquid	Dyke	20	20	65	Local	Truck
Acetonitile	Liquid	Dyke	10	10	6.5	Local	Truck
Ethyl acetate	Liquid	Dyke	25	25	50	Local	Tanker
Di ethyl sulphate	Liquid	Dyke	20	20	40	Local	Tanker
Di iso propyl amine	Liquid	Dyke	25	25	25	Imports	Tanker
Caustic soda lye	Liquid	Dyke	15	15	15	Local	Tanker
Liquid bromine	Liquid	Dyke	20	20	75	Local	Truck
N butanol	Liquid	Dyke	20	20	40	Local	Tanker
Sulfer	Solid	open yard	5	5	4.5	Local	Truck
N propanol	Liquid	Dyke	10	10	10	Local	Tanker
Iso propanol	Liquid	Dyke	10	10	10	Local	Tanker
Sulfuric acid	Liquid	Dyke	15	15	8	Local	Tanker
Methyl cyano acetate	Liquid	Dyke	20	20	60	Imports	Truck
Methanol	Liquid	Dyke	5	5	5	Local	Tanker
Ammonia gas	Gas	Cylinder	2	2	10	Local	Truck
Tri ethyl amine	Liquid	Dyke	15	15	15	Local/Imports	Tanker
Benzyl chloride	Liquid	Dyke	15	15	18	Local	Truck
Ethylene di chloride	Liquid	Dyke	10	10	6	Local	Tanker
Lithium carbonate	Solid	Covered storage	15	15	30	Local/ Imports	Truck
Hydrobromic acid	Liquid	Dyke	20	20	40	Local/ Imports	Truck
Hydrochloric acid	Liquid	Dyke	10	10	30	Local	Tanker
Sodium carbonate	Solid	Store Room	10	10	10	Local	Truck
Lithium sulfate solution	Liquid	Dyke	20	20	20	Local	Tanker
Activated carbon	Solid	Store Room	2	2	0.5	Local	Truck
Cobalt metal	Solid	Store Room	2	2	1	Local	Truck
Bismuth metal	Solid	Store Room	5	5	2	Local	Truck
Nickel metal	Solid	Store Room	2	2	1	Local	Truck
Cadmium metal	Solid	Store Room	2	2	1	Local	Truck
Molybdenum tri oxide	Solid	Store Room	2	2	1	Local	Truck
Nitric acid	Liquid	Dyke	10	10	5	Local	Tanker
Liquid ammonia	Liquid	Dyke	10	10	5	Local	Tanker
Ammonium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium bi carbonate	Solid	Store Room	5	5	2	Local	Truck
Sodium hydroxide	Solid	Store Room	5	5	1	Local	Truck

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:	850 sq.m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Ordinance factory - 6 KM
	Category as per schedule of EIA Notification sheet	5f B
	Court cases pending if any	NA
	Other Relevant Informations	The said proposal was submitted on MOEF portal on 12 September 2017 under the cell of violation with reference to the notification No. S.O.804(E) dated 14.03.2017 under the A category . However with reference to Notification no. S.O. 1030 (E) dated 8th March 2017 , Office Memorandum F. No. Z-No. Z-110/3/22/2017-IA (II) M dated 15th March and 16th March 2018, Herewith we are resubmitting the application as B category under violation.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes

18. Proposed Built up area	NA	2599.08 Sq. m
19. Total Ground Coverage (m2)	NA	2308.05 Sq. m
20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA	32.8%
21.Estimated cost of the project	90700000	96410000
31. Production Details	Sr.No 7. Lithium Hydroxide- Proposed- (+)25 TPM, Total – 30TPM	Sr.No 7. Lithium Hydroxide- Proposed- (+)20 TPM, Total – 25 TPM
31. Production Details	----	Total - Existing – 420 TPM, Proposed – (+) 75 TPM, and Total – 495 TPM.
31. Production Details	----	By-product Details: Existing – 0 TPM, Proposed – (+) 27 TPM, Total – 27 TPM.
33. Details of Total water consumed	Industrial Process: Consumption (Existing 20 CMD, Proposed 5 CMD, Total 25 CMD), Loss (Existing 16 CMD, Proposed (+) 1 CMD, Total 17 CMD), Effluent (Existing 4 CMD, Proposed 6 CMD, Total 10 CMD)	Industrial Process: Consumption (Existing 4.5 CMD, Proposed 14.9 CMD, Total 19.4 CMD), Loss (Existing (+) 0.8 CMD, Proposed (-) 11.2 CMD, Total 10.4 CMD), Effluent (Existing 5.3 CMD, Proposed 3.7 CMD, Total 9 CMD))
33. Details of Total water consumed	Cooling Tower & Thermopack: Consumption (Existing 10 CMD, Proposed 10 CMD, Total 20 CMD), Loss (Existing 15 CMD, Proposed 0 CMD, Total 15 CMD), Effluent (Existing 2.5 CMD, Proposed 2.5 CMD, Total 5 CMD)	Cooling Tower & Thermopack: Consumption (Existing 12.5 CMD, Proposed 27.5 CMD, Total 40 CMD), Loss (Existing (-) 10.7 CMD, Proposed (-) 24.3 CMD, Total 35 CMD), Effluent (Existing 1.8 CMD, Proposed 3.2 CMD, Total 5 CMD)
33. Details of Total water consumed	Gardening: Consumption (Existing 1 CMD, Proposed 4 CMD, Total 5 CMD), Loss (Existing 0 CMD, Proposed 5 CMD, Total 5 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)	Gardening: Consumption (Existing 2 CMD, Proposed 10 CMD, Total 12 CMD), Loss (Existing (-) 2 CMD, Proposed (-) 10 CMD, Total 12 CMD), Effluent (Existing 0 CMD, Proposed 0 CMD, Total 0 CMD)
33. Details of Total water consumed	---	Total fresh water Requirement: Consumption (Existing 21 CMD, Proposed 56.40 CMD, Total 77.4 CMD), Loss (Existing 12.1 CMD, Proposed 46.3 CMD, Total 58.4 CMD), Effluent (Existing 8.9 CMD, Proposed 10.1 CMD, Total 19 CMD)
33. Details of Total water consumed	-----	Water Recycled from process, RO Permeate & MEE condensate from Inorganic- 38 (13+19+6)
33. Details of Total water consumed	---	Total fresh water required from 2nd day- 39.4
34.Rain Water Harvesting (RWH)	NA	• Level of the Ground water table: 0.52 to 4.85 m • Size and no of RWH tank(s) and Quantity: 40 CU.m. 1 No. Quantity 10 CMD. • Location of the RWH tank(s): Near Firefighting tank • Quantity of recharge pits: Not applicable as collected water will be reused. • Size of recharge pits: Not applicable as collected water will be reused. • Details of UGT tanks if any: UGT tank having Capacity - 1 Lac/ Lit is available which will be used for Firefighting.

36.Sewage and Waste water	• Sewage generationin KLD: 5 • STP technology: Primary, Secondary and Tertiary treatment and treated water will be used for gardening. • Capacity of STP (CMD): 1 No. and capacity: 10 CMD • Location & area of the STP: Near ETP • Budgetary allocation (Capital cost): 8 lacs, • Budgetary allocation (O & M cost): 20 thousand/M	• Sewage generation in KLD: 5 CMD • STP technology: Sewage will be treated in aeration tank of ETP for combine treatment • Capacity of STP (CMD): NA • Location & area of the STP: NA
37.Solid waste Management	Waste generation in the Pre-Construction and Construction phase: i) Waste generation- Nil ii) Disposal of the construction waste debris- NA • Waste generation in the operation Phase Waste generation: iii) Hazardous waste: 1. Chemical Sludge from waste water treatment = 3.6 T/A; 2. Activated Carbon = 3.9 T/A vi) Others if any: NA	• Waste generation in the Pre-Construction and Construction phase: i) Waste generation- Yes. Debris, construction metal, excavated earth etc. ii) Disposal of the construction waste debris- Within premises in low lying area. • Waste generation in the operation Phase Waste generation: Hazardous Waste: • Distillation Residue - 0.45 TPM, • Spent Carbon From Process - 12.5 TPM, • Spent Solvent- 12 TPM, • Empty Barrels /drums contaminated with Hazardous Chemicals/Wastes – 10 TPM, • Chemical sludge from waste water treatment – 1.3 TPM • MEE Salts – 105 TPM • Spent Carbon from ETP – 0.5 TPM Non hazardous i) Waste paper, Sweeping material, Etc. – 0.05 TPA ii) Pallet – 500 Nos/A iii) Boiler Ash – 86 TPA vi) Others if any: • Battery waste = 0.1 MT/A E waste = 0.2 MT/A
37.Solid waste Management	Mode of Disposal of waste: iii)Hazardous waste: CHWTSDF, MWML, Taloja vi) Others if any	Mode of Disposal of waste: i) Hazardous waste- Disposal through CHWTSDF. vi) Others if any: Sale to authorized dismantlers/ Recyclers.
37.Solid waste Management	• Area requirement: • Location(s): Manufacturing Area, Admin Area, ETP, STP area etc. • Area for the storage of waste & other material: 800 sq. m • Area for machinery: 405 sq. m	• Area requirement: 50 sq. m • Location(s): Near cooling tower area • Area for the storage of waste & other material: Area for the storage of Hazardous waste 208 Sq. m. • Area for machinery: Not applicable
38.Effluent Characteristics	Inlet Effluent Characteristics: Parameters (pH: 4-9, BOD: 400-650 mg/lit, COD 3000-3500 mg/lit, TSS: 350-450 mg/lit, TDS: 10000-12000 mg/lit, oil & grease: 10-20 mg/lit), Outlet Effluent Characteristics: Parameters (pH: 6.0-8.5, BOD: 85-95 mg/lit, COD 170-200 mg/lit, TSS: 75-90 mg/lit, TDS: 1500-2000 mg/lit, oil & grease: 10 mg/lit), Effluent discharge standards (MPCB): Parameters (pH: 5.5-9.0, BOD: <100 mg/lit, COD <250 mg/lit, TSS: <250 mg/lit, TDS: <2100 mg/lit, oil & grease: <10 mg/lit)	A)Multiple Effect Evaporator Inlet to MEE- From Process of Inorganic Products Parameters (Flow: 11.77 CMD, pH: 6.5-7, COD 18000-19000 mg/lit, TDS: 30000-31000 mg/lit), Reject from RO- Parameters (Flow: 7 CMD, pH: 7.0-7.5, COD <200mg/lit, TDS: 6500-7500 mg/lit), Outlet from MEE- Parameters (Flow: 22.5 (18.77+3.73)CMD, pH: 7.0-7.5, COD 9000-10000 mg/lit, TDS: < 100 mg/lit),

38.Effluent Characteristics	----	B)Multiple Effect Evaporator: From Process of Organic Products Raw High TDS Stream Parameters (Flow: 4 CMD, pH: 7-7.5, COD 9000-9500 mg/lit, TDS: 340000-350000 mg/lit), After Primary Treatment Parameters (Flow: 4 CMD, pH: 7-7.5, COD 7000-7500 mg/lit, TDS: 340000-350000 mg/lit), Feed to Evaporator (Flow: 9 (4 + 5 from RO Reject) CMD, pH: 7-7.5, COD 3500-4000 mg/lit, TDS: 155000-160000 mg/lit), Outlet From MEE (Flow: 13 (4+5+4) CMD, pH: 7-7.5, COD 3000-3500 mg/lit, TDS: 150-200 mg/lit), C) ETP Treatment - Inlet (Low TDS Stream) Parameters (Flow: 6 CMD, pH: 8-8.5, COD 50-100mg/lit, BOD: 20-50 mg/lit TDS: 1200-1300mg/lit), Inlet to Secondary Parameters (Flow: 24 (19- from primary + 5 – Domestic) CMD, pH: 7-7.5, COD 2000-2300 mg/lit, BOD: 1100-1200 mg/lit TDS: 500-600 mg/lit), Inlet To Tertiary Parameters (Flow: 24 CMD, pH: 7-7.5, COD 250-300 mg/lit, BOD: 50-100 mg/lit TDS: 400-500 mg/lit), D) Reverse Osmosis Inlet to RO Parameters (Flow: 24 CMD, pH: 7-7.5, COD 150-200 mg/lit, TDS: 400-500 mg/lit), Parameters (Flow: 24 CMD, pH: 7-7.5, COD 150-200 mg/lit, TDS: 400-500 mg/lit), RO Permeate Parameters (Flow: 19 CMD, pH: 7-7.5, COD <100 mg/lit, TDS: <100 mg/lit), RO Reject Parameters (Flow: 5 CMD, pH: 7-7.5, COD 550-600 mg/lit, TDS: 1800-2000 mg/lit),
38.Effluent Characteristics	• Amount of effluent generation (CMD): 15 • Capacity of the ETP: 20 CMD • Amount of treated effluent recycled : NA • Amount of water send to the CETP: 15 CMD • Note on ETP technology to be used Primary , Secondary , Tertiary and treated effluent sent to CETP	• Amount of effluent generation (CMD): 19 • Capacity of the ETP: 25 CMD • Amount of treated effluent recycled : 38 • Amount of water send to the CETP: Not Applicable, as unit is ZLD • Note on ETP technology to be used: The proposed unit will be a Zero Liquid Discharge (ZLD) where high TDS stream will be treated in MEE. MEE condensate along with low TDS stream and utility blow downs will be treated in conventional ETP followed by RO. RO permeate will be recycled for use in utilities whereas RO reject will be fed to MEE in order to make it a ZLD scheme.

39.Hazardous Waste Details	Description: 1. Chemical Sludge from waste water treatment - Cat. No 34.3 Existing 3.6 TPA, Proposed 0 TPA, Total 3.6 TPA 2. Activated Carbon - Cat. No 28.2 Existing 3.9 TPA, Proposed 0 TPA, Total 3.9 TPA	Description: 1. Distillation Residue20- Cat. No 20.3 Existing 0 TPM, Proposed 0.45 TPM, Total 0.45 TPM, Disposal- CHWTSDF 2. Spent Carbon From Process- Cat. No 28.3, Existing 0 TPM, Proposed 12.5 TPM, Total 12.5 TPM, Disposal- CHWTSDF 3. Spent Solvent - Cat. No 28.6, Existing 0 TPM, Proposed 12 TPM, Total 12 TPM, Disposal- Sale to authorized party/ CHWTSDF 4. Empty Barrels /drums contaminated with Hazardous Chemicals/Wastes - Cat. No 33.1, Existing 0 TPM, Proposed 10 TPM, Total 10 TPM, Disposal- Reuse / Sale to authorized party / CHWTSDF. 5. Chemical sludge from waste water treatment - - Cat. No 35.3, Existing 0.3 TPM, Proposed 1.0 TPM, Total 13 TPM, Disposal- CHWTSDF. 6. MEE Salts- Cat. No 35.3, Existing 0 TPM, Proposed 105 TPM, Total 105 TPM, Disposal- CHWTSDF. 7. Spent Carbon from ETP- Cat. No 35.3, Existing 0 TPM, Proposed 0.5 TPM, Total 0.5 TPM, Disposal- CHWTSDF. 8. Spent Sulphuric Acid- Existing 20 TPM, Proposed (-) 20 TPM, Total 0 TPM, Note: Spent Sulphuric acid was generated from the production of meta Bromobenzene which was a raw material for m-Bromo Anisol which has been deleted from the proposed product list, hence there will not be any generation of spent Sulphuric acid.
40.Stacks emission Details	1. Section & units - Existing Boiler 2 No 0.50 TPH each, Fuel Used with Quantity- Briquettes - 2.34 TPD,or Wood - 1.59 TPD, or coal- 1.66 TPD, Stack No-Common Stack, Height from Ground level (m)- 30, Internal Diameter (m)- 0.3, Temp. of Exhaust Gases- -	1. Section & units - Existing Boiler 2 No 0.50 TPH each, Fuel Used with Quantity- Proposed :Briquette - 2.72 TPD & Imported Coal - 1.2 TPD Stack No-01, Height from Ground level (m)30.0 m (Combined stack), Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 125 °C
40.Stacks emission Details	2. Section & units - Existing Thermopack 1 no 2.0 lac Kcal/hr, Fuel Used with Quantity- Briquette – 1500 kg/Day, or Wood- 1000 kg/Day, Stack No-Common Stack, Height from Ground level (m)- 30, Internal Diameter (m)- 0.3, Temp. of Exhaust Gases- -	2. Section & units - Existing Boiler 2 No 0.50 TPH each, Fuel Used with Quantity- Proposed : Briquette - 1.237 TPD & Imported Coal-0.87 TPD Stack No-01, Height from Ground level (m)30.0 m (Combined stack), Internal Diameter (m)- 0.4, Temp. of Exhaust Gases- 125 °C
40.Stacks emission Details	3) Section & units - Existing D G 1 no X 200 KVA, Fuel Used with Quantity- HSD or LDO – 500 lit/M Stack No- stack above roof top of the building, Height from Ground level (m)- 4.5, Internal Diameter (m)- 0.15, Temp. of Exhaust Gases- -	3. Section & units - Existing D G 1 no X 200 KVA, Fuel Used with Quantity- Proposed : HSD- 1050 lit/m Stack No-01, Height from Ground level (m) -4.5 m above enclosure Internal Diameter (m)- 0.15, Temp. of Exhaust Gases- 140 °C
41.Details of Fuel to be used	1. Type of Fuel: Briquettes or Wood or coal (Existing 2.34 TPD , 1.59 TPD ,1.66 TPD respt, Proposed 0, Total 2.34 TPD , 1.59 TPD ,1.66 TPD respt) 1. Briquette or Wood: (Existing 1500 Kg/Day, 1000 Kg/Day Respt., Proposed 0, Total 1500 Kg/Day, 1000 Kg/Day Respt. 2. HSD or LDO: (Existing 500 lit/M, 1000 Kg/Day Respt., Proposed 0, Total 500 lit/M.	1. Type of Fuel: Briquettes (Existing 0.705 TPD , , Proposed 3.252 TPD 0, Total 3.957 TPD) 2. Imported Coal: (Existing 0, Proposed 2.07 TPD, Total 2.07 TPD.) 3.HSD: (Existing 500 lit/M, Proposed 550 lit/M, Total 1050 lit/M.)
44.Green Belt Development	i) Total RG area : 1100 Sq.m ii) No of trees to be cut iii) Number of trees to be planted: 60 Nos. iv) Timeline for completion of plantation	i)Total green Belt Area: 2275.5 Sq.m (33% of total plot area) ii)No of trees to be cut: Nil iii) Number of trees to be planted: There are around 250 nos. of trees and shrubs will be planted at the site. v)Timeline for completion of plantation- 2 years

48.Energy	Power requirement: DG set as Power back-up during construction phase: NA During Operation phase (Connected load): 80 KW During Operation phase (Demand load): 373 KW Fuel used: HSD or LDO	Power Requirement DG set as Power back-up during Construction phase: Existing DG will be used. During Operation phase (Connected load): existing connected load – 125 KW Proposed connected load- 450 KW Total connected load- 575 KW During Operation phase (Demand load): Existing demand load-80 KW Proposed demand load-373 KW Total demand load-453 KW Fuel used: HSD consumption will be 1050 lit/m in case of emergency only,
51.Details of pollution control Systems	1. Source: Boiler, Existing pollution control system- Combine Stack, Proposed to be installed- cyclone	1. Source: Air, Existing pollution control system- Stack of adequate height, Proposed to be installed- cyclone followed by Bag filter & stack of adequate height.
51.Details of pollution control Systems	2. Source: Thermopack, Existing pollution control system- Combine Stack, Proposed to be installed- cyclone	2. Source: Water, Existing pollution control system- ETP, Proposed to be installed- ETP, RO & MEE.
51.Details of pollution control Systems	3. Source: DG Existing pollution control system- Stack, Proposed to be installed- Stack	3. Source: Noise, Existing pollution control system- Acoustic enclosure for DG set, Proposed to be installed- -
51.Details of pollution control Systems	-----	1. Source: Solid Waste, Existing pollution control system- Disposal to CHWTSDF, Proposed to be installed- Disposal to CHWTSDF
51.Details of pollution control Systems	----	Budgetary allocation (Capital cost and O&M cost): Capital cost – 95.5 lacs O&M cost – 180.36 lacs/yr
52.Environmental Management plan Budgetary Allocation	b) Operation Phase (with Break-up): 1. Component- Cyclone, Description: For dust collection, Capital cost Rs. In Lacs: 6.0, Operational and Maintenance cost (Rs. in Lacs/yr)- 0.5 2. Component- Stack, Description: for dispertion, Capital cost Rs. In Lacs: 6.50, Operational and Maintenance cost (Rs. in Lacs/yr)- 1.2	b) Operation Phase (with Break-up): 1. Component- Air pollution control, Description: Provision of stacks of height & Process Scrubber, Capital cost Rs. In Lacs: 7.5, Operational and Maintenance cost (Rs. in Lacs/yr)- 2.8 2. Component- Water pollution control, Description: Effluent treatment Plant RO, Multiple effect evaporator, Capital cost Rs. In Lacs: 85, Operational and Maintenance cost (Rs. in Lacs/yr)- 72.26. 3. Component- Noise pollution Control, Description: Acoustic encl./ Ant vibration pads, Capital cost Rs. In Lacs: 2, Operational and Maintenance cost (Rs. in Lacs/yr)- 0.1. 4. Component-Occupational Health, Description: Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables Control of fugitive emissions Work Place monitoring, Capital cost Rs. In Lacs: 2, Operational and Maintenance cost (Rs. in Lacs/yr)- 7. 5. Component- Environmental Monitoring Budget, Description: Environmental Monitoring, Capital cost Rs. In Lacs: 0.5, Operational and Maintenance cost (Rs. in Lacs/yr)- 10.12. 6. Component- Hazardous waste Storage & disposal, Description: Storage, Transportation and disposal, Capital cost Rs. In Lacs: 1, Operational and Maintenance cost (Rs. in Lacs/yr)- 105.2. 7. Component- Green belt , Description: Development & Maintenance, Capital cost Rs. In Lacs: 1.1, Operational and Maintenance cost (Rs. in Lacs/yr)- 0.6 Total: Capital cost Rs. In Lacs: 99.1, Operational and Maintenance cost (Rs. in Lacs/yr)- 198.08

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

The history of the proposal is as below,

* Pcific Organics Pvt. Ltd. is the manufacturer of chemical intermediates and speciality chemicals at Plot No. N-4 in additional MIDC, Ambernath.

* The industry was established in the year 1995, however unit at Ambernath was established in the year 2004. PP obtained Consent to Operate on 9th Septemebr, 2008.

* The industry is in the manufacturing of Brominated compounds, Lithium Compounds, Phase transfer catalyst, intermediates etc.

* Industry obtained Consent to Operate to manufacture organic compounds in the year 2009 and started manufacturing with out obtaining prior Environment Clearance.

* PP applied for Environmental Clearance for proposed expansion to the SEIAA; in this connection the proposal was considered by SEAC in its 138th meeting held on 1st June, 2017 wherein SEAC noted that, existing factory was established in 2004 but received consent to operate in 2008 and started manufacturing unit without obtaining prior Environment Clearance. SEAC-1 referred the proposal to SEIAA for the decision regarding the issue of violation under EIA Notification, 2006. Immediately after the meeting Pacific Organics has stopped the production of all the organic chemicals which attracts EC.

* PP informed that, the proposal was discussed in 112nd meeting of SEIAA on 27th July, 2017. However, as per discussion in SEIAA meeting it was decided that, the issue of applicability of violation to the unit will be considered by the Government.

Now PP submitted their application for grnat of ToR under category 5(f)B1 for violation project and expansion as per amended Notification issued by MoEF&CC dated 08.03.2018,

PP applied for the grant of ToR to the MoEF&CC on 12.09.2017 and SEIAA vide Unique ID No1256.. on 13th April, 2018 on SEIAA portal for grant of ToR as a case of violation and expansion.

Based on the activities initiated by the PP without obtaining prior Environment Clearance, the PP submitted a proposal for grant of Terms of References for preparation of EIA ad EMP report and to implement EMP, comprising of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation as a condition of Environment Clearance.

After detailed deliberations with the PP and their accredited consultant M/s Goldfinch Engineering Systems Pvt. Ltd., Mumbai, committee decided to approve the TOR for the preparation of EIA/EMP report as per model TOR issued by MoEF & CC published in April, 2015, Notification dated 14.03.2017and 08.03.2018and OM dated 15.03.2017 along with additional TOR points mentioned below.

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

DECISION OF SEAC

PP applied for the grant of ToR under violation category. The proposal was conisdered in the 151st meeting of SEAC-1 held on 24th May, 2018 where in ToR was granted to the PP.

The condition of Public Hearing was not included in the ToR as it was not mentioned in the Notification issued by MoEF&CC dated 14th March, 2017, 8th March, 2018 and 15th March, 2018.

MoEF&CC Office memorandum dated 16th March, 2018 brought to the notice of SEAC which stipulates regarding requirement of Public Hearing as under,

"The project/activities pertaining to all sectors, shall be considered as per the directions of Hon'ble Highcourt of Judicature at Madras vide order dated 14th March, 2108 in WMP Nos. 3361 & 3362 of 2018 and WMP No. 3721 of 2018 in WP No. 11189 of 2017".

The Hon'ble Highcourt of Judicature at Madras order dated 14th March, 2018 reads as below,

24. " In this view of the matter, considering that sub clause (i) (d) of Stage III of Pragraph 7 (i) of parent notification as contained in item 8 (a) of the schedule being housing projects, we deem it necessary to clarify that, projects and Project Proponents falling under category only shall be governed by the "Public Consultation" clasue in the parent notification.

Committee deliberated the issue at length witht the PP and their accredited consultant.

As per parent EIA Notification dated 14th September, 2006 following projects/activities are exempted from the Public Consultation under clause 7 (III) of Stage 3,

a. modernization of irrigation projects (item 1(c) (ii) of the Schedule.

b. all projects or activities located within industrial estates or parks (item 7 (c) of the Schedule) approved by the concerned authorities and which are not disallowed in such approval.

c. expansion of roads and highways (item 7 (f)) of the Schedule which donot involve any further acquisition of land.

cc. maintenance derdging provided the dredged material shall be dispsoed within port limits.

d) all Building/ construction projects/Area Development projects and township (item 8).

e) all category B2 projects and activities.

f) all projects or activities concerning national defence and security or involving other strategic considerations as determined by the Central Government.

With respect to the order of the Hon'ble Highcourt Judicature at Madras dated 14th March 2018, SEAC is of the view that, the order stpulates only item contianed in 8(a) {Building and Constrcution} of the Schedule are governed by the "Public Consultation" clause in the parent notification.

In view of above, SEAC is of the opinion that, public consultation is necessary for all other cateogories except 8 (a) of the Schedule attached to the EIA Notification, 2006 applied under violation window.

Hence, SEAC decided to refer proposal to the SEIAA for guidance on the applicability of Public Hearing/Consultation to the industries applied for EC under violation window.

Specific Conditions by SEAC:

1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
2) PP to submit details of project description, its importance and benefits. The benefits shall clearly indicate environmental, social, economic, employment potential etc.
3) PP to submit Year wise production details since the start of the operations along with copies of RG1 register.
4) PP to submit project site details (location, topo sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
5) 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.
6) 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
7) Existing environmental quality within 10 km radius of the project site to be assessed based on primary data generated at site and secondary data collected from various sources. One time baseline data to be generated for following environmental attributes based on site conditions.
8) 9.1 Meteorology and Air Quality: Meteorological data like temperature, humidity, rainfall, wind direction, wind speed to be obtained as to assess the climatic trend through secondary source such as IMD, Pune.
9) 9.2. Air Environment: (i) The monitoring stations shall be selected based on likely impact areas due to proposed activity/sensitive areas, near by habitations around the project site if any, topography, down wind and up wind directions. (ii) Eight stations to be selected for monitoring of PM2.5, PM10, SOx, NOx for one time baseline study as per CPCB guidelines for Ambient Air Quality Monitoring. (iii) Dispersion pattern to be generated to assess the existing ambient air quality of the study area around 10 km radius through ArcGLS platform.
10) 9.3. Water Environment: (i)Grab surface ground water samples to be collected around 10 km radius parameters recommended by CPCB/IS 10500 to be analyzed to assess the physiochemical and bacteriological quality of the water. (ii) Samples to be collected one time during study period to identify the impact due to proposed project operations. (iii) Details of proposed water conservation measures to be given in the report.
11) 9.4. Soil Environment: (i) Soil samples to be collected and analyzed for physical and chemical properties of the soil to determine the impact on the soil due to proposed activities and to determine the impact of loss of fertility from agricultural productivity point of view. (ii) Samples to be collected one time during the study period.
12) 9.5. Land Environment: Land use and land cover analysis delineating the agricultural land, forest land, waste land, built up land, water bodies using satellite imageries through ERDAS ad ArcGIS platform.
13) 9.6. Socio Economic Environment: (i) Secondary data to be used from source such as Census records/ data available with local offices etc. (ii) PP to collect secondary data through field survey and corelate with the available primary data.(iii) Spatial distribution of population, occupational characteristics, literacy rate, sanitation status, availability of safe drinking water and adequate nutrition especially to the pregnant women's and childrev in the area etc.
14) 9.7. Ecology and Biodiversity: (i) a detailed biological study of the area will be carried out around 10 km radius through field survey.(ii) Location of national park, sanctuaries, biosphere reserves, wild life corridors etc. if any, within 10 km radius to be mentioned. (ii) Phase wise plan of plantation to be charted clearly indicating the area to be covered under plantation and the species to be planted.
15) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
16) 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.
17) PP to submit details of rain water harvesting plan.
18) PP to carry out HAZOP and QRA and submit disaster management plan.
19) PP to submit details of waste water management (treatment, reuse and disposal) for the project.
20) PP to submit details of hazardous waste and solid waste management plan. (Storage, transport, treatment and disposal).
21) PP to submit details of energy efficient measures proposed in the project like use of LED lights, solar power etc.
22) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
23) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
24) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
25) To calculate the cost of project (capital and recurring) as well as cost required towards the implementation of EMP to be clearly spelt out in the EIA/EMP report.
26) 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.
27) PP to submit Form - 2 along with EIA/EMP report as per OM issued by MoEF&CC on 20.04.2018.
28) PP to submit an undertaking for not having any eco sensitive area in the range of 5 KM from proposed project site.

FINAL RECOMMENDATION

Kindly find SEAC decision above.