178th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 178th - Day-1 **Meeting Date** February 17, 2020

Subject: Environment Clearance for Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506.

Is a Violation Case: No

1.Name of Project	Proposed project for expansion in existing products & addition of new products for manufacturing of Active Pharmaceutical Ingredients & intermediates by Auro Laboratories Limited at Plot No.: K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Siddhartha Deorah, Auro Laboratories Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Active Pharmaceutical Ingredients & intermediates
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.Environmental Clearance is not required for existing activity as after establishment Auro have not done any expansion after EIA notification 2006.
8.Location of the project	Plot No. K-56, MIDC Tarapur, Dist. Palghar, Maharashtra 401506
9.Taluka	Palghar
10.Village	Salvad
Correspondence Name:	Mr. Siddhartha Deorah
Room Number:	314
Floor:	Not Applicable
Building Name:	T. V. Industrial Estate
Road/Street Name:	S. K. Ahire Marg
Locality:	Worli
City:	Mumbai
11.Whether in Corporation / Municipal / other area	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area: 6420
13.Note on the initiated work (If applicable)	For proposed expansion work will be initiated after getting EC
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	4280 Sq. Mtr.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 6420
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 2775.48
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6420
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 01-04-2019
19.Total ground coverage (m2)	1198.86 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.01
21.Estimated cost of the project	267900000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Existing building having admin, store & QC dept. will be demolished to align the expansion project properly.
30.Details of the demolition with disposal (If applicable)	Details are provided in EIA report as Annexure XII.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Metformin	60 MT/A	(-) 60 MT/A	0
2	Metformin HCL & Metformin HCL DC	Not Applicable	9600 MT/A	9600 MT/A
3	Chlorphenamine Maleate	Not Applicable	12 MT/A	12 MT/A
4	Glimepiride	Not Applicable	1.2 MT/A	1.2 MT/A
5	Glipizide	Not Applicable	1.2 MT/A	1.2 MT/A
6	Gliclazide	Not Applicable	1.2 MT/A	1.2 MT/A
7	Glibenclamide	Not Applicable	1.2 MT/A	1.2 MT/A
8	Chloroxazone	Not Applicable	120 MT/A	120 MT/A
9	Total	60 MT/A	9676.8 MT/A	9736.8 MT/A

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	4.0	1.0	5.0	01.0	0.2	1.2	3.00	0.8	3.8
Industrial Process	16	23	39	1	1	2	15	22	37
Cooling tower & thermopack	9.0	137.0	146.00	5.0	129.0	134.0	4.0	8.0	12.0
Gardening	1.0	7.0	8.0	1.0	7.0	8.0	0.0	0.0	0.0

Fresh water requirement	30.0	168.0	198.0	8.0	137.2	145.2	22.0	30.8	52.8
Fresh water requirement	Additional steam condensate from MEE	--	--	--	--	--	--	--	5.28
Fresh water requirement	Water Recycled	58.08 (52.8+5.28)	--	--	--	--	--	--	--
Fresh water requirement	Total fresh water required 2nd day onwards	139.92	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 to 10 m
	Size and no of RWH tank(s) and Quantity:	Rain water will be collected in existing raw water tank of 100 m3
	Location of the RWH tank(s):	UG water Tank – Near ETP
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	Already included in capital cost
	Budgetary allocation (O & M cost) :	Already included in capital cost
	Details of UGT tanks if any :	Water Tank – Existing- 1 No.: 100 M3, proposed fire water tank-1 No.: 100 M3
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains will be provided as per natural slopes.
	Quantity of storm water:	190 mm of rain fall per hr, 0.5 runoff coeff.= 111.72 m3/hr., 0.031 m3/s
	Size of SWD:	0.4 m x 0.35 m x 0.4 m
Sewage and Waste water	**Sewage generation in KLD:**	3.8
	STP technology:	Domestic Sewage will be treated in secondary treatment of ETP as combined treatment.
	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:**	Quantity will be provided at the time of EIA
	Disposal of the construction waste debris:	Within premises in low lying area
Waste generation in the operation Phase:	**Dry waste:**	• Hazardous Waste: • Discarded containers/barrels/HDPE bags – 1764 Nos./M, Non-Hazardous Waste: • Waste paper - 330 kg/A • Boiler Ash –118800 kg/A
	Wet waste:	• Hazardous Waste: • ETP Sludge – 23.61 TPA • MEE salts –13.38 TPA • Spent Carbon from process – 4.96 TPA ;• Process Residue – 7.92 TPA; • Spent Carbon from ETP- 7.78 TPA
	Hazardous waste:	• Hazardous Waste: • ETP Sludge – 23.61 TPA • MEE salts –13.38 TPA • Spent Carbon from process – 4.96 TPA • Process Residue – 7.92 TPA • Discarded containers/barrels& liners used for HW/Chemicals 1764 nos./M ; • Spent Carbon from ETP- 7.78 TPA • Non-Hazardous Waste: • Waste paper- 330 kg/A • Boiler Ash – 118800 kg/A
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	• E-Waste- 102 kg/A • Battery waste- 200.04 kg/A
Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse
	Wet waste:	CHWTSDF//To MPCB authorized recyclers
	Hazardous waste:	CHWTSDF/To MPCB authorized recyclers
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Sale to authorized dismantlers/Recyclers.
Area requirement:	**Location(s):**	Near ETP area
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 16 Sq.m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	27000
	O & M cost:	8.8 lacs/A

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.0-7.0	7.0-7.5	7.0-7.5
2	BOD3,27ºC	mg/lit	1500-1750	50-100	< 100
3	COD	mg/lit	3000-3500	100-200	< 250
4	TSS	mg/lit	400-500	<30	< 100
5	TDS	mg/lit	800-1000	500-700	< 2100

Amount of effluent generation (CMD):	Industrial: 49.00 CMD Domestic: 3.8 CMD
Capacity of the ETP:	60 CMD
Amount of treated effluent recycled :	58.08 CMD

Amount of water send to the CETP:	Not Applicable as this unit will be run on Zero Liquid Discharge (ZLD) Basis.
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Industrial Effluent 49.00 CMD including cooling tower & Boiler blow downs will be treated in primary treatment. Primary treated wastewater along with domestic waste water of 3.8 CMD will be subjected to two-stage biodegradation as secondary treatment. The outlet of the secondary treatment will be pumped to Pressure Sand Filter (PSF) followed by Activated Carbon Filter (ACF). This effluent is then passed through Reverse Osmosis (RO). RO permeate will be will be reuse/recycle. RO reject will be ev
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process waste sludge / residue	28.1	T/A	0.048	7.7872	7.92	To CHWTSDF
2	ETP Sludge	35.3	T/A	1.8	21.81	23.61	To CHWTSDF
3	MEE salts	35.3	T/A	--	13.38	13.38	To CHWTSDF
4	Spent Carbon from ETP	35.3	T/A	--	7.78	7.78	To CHWTSDF
5	Spent Carbon from process	28.3	T/A	1.38	3.58	4.96	To CHWTSDF
6	Discarded containers/barrels/HDPE bags	33.1	Nos./M	--	1764	1764	Sale to authorized dismantlers / Recyclers.
7	Other waste:	--	--	--	--	--	--
8	E-Waste	--	Kg/A	25.2	76.8	102	Sale to authorized dismantlers/ Recyclers
9	Battery waste	--	Kg/A	62.4	137.64	200.04	Returned to battery manufacturer through authorized dealer on buy back procurement
10	Non-Hazardous Waste Details:	--	--	--	--	--	--
11	Waste paper	--	Kg/A	116.4	213.6	330	Sale
12	HDPE bags	--	Nos./year	28200 Nos. /year	102972 Nos. /year	131172 Nos. /year	Reuse/sale to authorized party
13	Boiler Ash	--	Kg/A	--	118800	118800	Sale to Brick Manufacturer/cement industry

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 – 2 nos. of 4 TPH (Proposed)	Briquettes 22 TPD	1	30	0.7	125°C
2	Thermopac – 100000 Kcal./hr. (Proposed)	LDO 800 lit/month	1	30	0.4	130°C
3	DG Set – 1000 KVA (Proposed)	HSD, 265 lit/hr. at full load	1	7 m above enclosure	0.2	140°C
4	Note: Existing FO fired boiler & existing DG set will be dismantled.	--	--	--	--	--

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquettes	Not Applicable	22 TPD	22 TPD
2	LDO	Not Applicable	800 lit/month	800 lit/month
3	HSD	Not Applicable	265 Lit/hr.at full load	265 Lit/hr.at full load
41.Source of Fuel		Local & Imported		
42.Mode of Transportation of fuel to site		Through truck/ tanker by Road		

43.Green Belt Development	**Total RG area :**	Existing: 200 sq.m Proposed: 1254 sq.m. Total: 1454 sq. m
	No of trees to be cut :	No
	Number of trees to be planted :	190 Nos. of Trees and Shrubs to be planted
	List of proposed native trees :	Arjun, Vad, Pimpal, Neem, Kadamb, etc.
	Timeline for completion of plantation :	With the construction 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	Terminalia arjuna	Arjun	20	Pollution resistant and Native
2	Bauhinia racemosa	Apta	20	Pollution resistant and Native
3	Ficusbenghalensis	Vad	10	Pollution resistant and Native
4	Ficusreligiosa	Pimpal	15	Pollution resistant and Native
5	Ficuselastica	Rubber	10	Pollution resistant and Native
6	Plumeria Alba	Chafa	10	Pollution resistant and Native
7	Azadirachtaindica	Neem	20	Pollution resistant and Native
8	Cassia fistula	Bahava	25	Pollution resistant and Native
9	Neolamarckiacadamba	Kadamb	15	Pollution resistant and Native
10	Teminaliatomentosa	Ain	10	Pollution resistant and Native
11	Lagerstroemia speciosa	Taman	10	Pollution resistant and Native
12	Tectonagrandis	Teak	10	Pollution resistant and Native
13	Bauhinia purpurea	Kanchan	15	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	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Will be hired on rent from local vendor
	During Operation phase (Connected load):	1450 KW
	During Operation phase (Demand load):	1342 KW
	Transformer:	750 KVA
	DG set as Power back-up during operation phase:	1 DG set of 1000 KVA. Existing DG will be dismantled.
	Fuel used:	HSD 265 Lit/hr. at full load
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Auro is proposing roof top solar system for illumination of office buildings, street lights & parking areas
Power generation from Solar panel system- 14 kW.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar power	1.04 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Stack of adequate height	Multi-cyclone followed by Bag filter and Stack of adequate height
Water	ETP	ETP, RO & MEE
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF	Disposal to CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	65000
	O & M cost:	Rs. 3000/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Air pollution control	Provision of Multi-cyclone followed by Bag filter & Stack of adequate height	5	0.20
2	Water pollution control	Effluent Treatment Plant, RO & Multi Effect Evaporator	176.91	96.66
3	Noise pollution Control	Acoustic enclosure and regular maintenance	1	0.50
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	4	3
5	Environmental Monitoring plan	Environmental Monitoring	--	2.108
6	Green belt	Development & Maintenance	0.5	0.2
7	Hazardous waste Storage & disposal	Storage, Transportation and disposal	0.27	8.8
8	Mitigation Measures for LCA (Installation of solar Panels)	--	0.65	0.03
9	Carbon Footprint Monitoring (Measures taken to reduce carbon footprint)	• Installation of solar Panels* for reduction of consumption of electricity which indirectly reduce carbon footprint. • Tree plantation*, Reduction of fuel consumption by using well efficient insulation to heating equipment.	0.55	0.014
10	Water Footprint Monitoring (Measures taken to reduce water footprint)	• Rain water harvesting & use of rain water in utilities & domestic • Recycle & reuse of treated waste water** in utilities Regular maintaince of equipments to reduce wastage of water due to leaks	0.5	0.2
11	Total	--	189.38	111.712

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
Dicyandiamide (DCDA)	Solid	warehouse	130	128.8	550	Local	By Road
Dimethylamine Hydrochloride (DMA HCL)	Solid	warehouse	150	141.4	606	Local	By Road
Xylene	Liquid	warehouse	50	50	25	Local	By Road
Toluene	Liquid	warehouse	1	0.70	3.6	Local	By Road
Cyanobase	Liquid	warehouse	0.50	0.10	0.6	Local	By Road
Caustic Potash Flakes	Solid	warehouse	0.50	0.05	0.25	Local	By Road
Malic Acid	Solid	warehouse	0.50	0.03	0.19	Local	By Road
IPA	Liquid	warehouse	1	0.40	1.88	Local	By Road
Polyvinylpyrrolidone K-30	Solid	warehouse	1.5	1.0	7.5	Local	By Road
Sodium Starch Glycollate	Solid	warehouse	1	0.80	3.6	Local	By Road
Maize Starch	Solid	warehouse	1	0.40	1.8	Local	By Road
Aerosil	Solid	warehouse	0.50	0.25	1.25	Local	By Road
Magnesium Stearate	Solid	warehouse	0.50	0.10	0.6	Local	By Road
Glimepiride Sulfonamide	Liquid	warehouse	0.50	0.02	0.16	Local	By Road
Potassium carbonate	Solid	warehouse	0.50	0.02	0.14	Local	By Road
Trans-4-methylcuclohexyl isocyanate	Solid	warehouse	0.50	0.15	0.80	Local	By Road
Liq. AMMONIA	Liquid	warehouse	0.50	0.04	0.2	Local	By Road
Glipizidesulfamide	Solid	warehouse	0.50	0.02	0.10	Local	By Road
Anhydrous potassium carbonate	Solid	warehouse	0.50	0.02	0.09	Local	By Road
Cychlohexylisocyanate	Liquid	warehouse	0.50	0.2	0.20	Local	By Road
N.Amino-3-Azabicyclo	Solid	warehouse	0.50	0.02	0.1	Local	By Road
Ethyl Acetate	Liquid	warehouse	0.50	0.07	0.37	Local	By Road
Acetonitrile	Liquid	warehouse	0.50	0.07	0.32	Local	By Road
Glibenclamidesufamide	Solid	warehouse	0.50	0.02	0.11	Local	By Road
Dimethyl formamide	Liquid	warehouse	0.50	0.10	0.6	Local	By Road
Caustic soda	Liquid	warehouse	0.50	0.05	0.23	Local	By Road
Activated Carbon	Solid	warehouse	0.50	0.1	0.42	Local	By Road
Methanol	Solid	warehouse	60	50	55	Local	By Road
Acetone	Liquid	warehouse	0.50	0.25	1.6	Local	By Road
HCL	Liquid	warehouse	0.50	0.10	0.48	Local	By Road
Methylene di chloride	Liquid	warehouse	0.50	0.30	1.4	Local	By Road
Chlorzoxazone	Solid	warehouse	1.5	1.00	1.00	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:	219 Sq. Mtr.
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m. with turning radius of 9 m.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 10 km radius circle.
	Category as per schedule of EIA Notification sheet	5 (f) B1
	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	28-11-2018

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 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 during 158th meeting of SEAC-1 held on 02.01.2019 wherein ToR was granted to the PP for the preparation of EIA /EMP report along with additional points,

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.

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

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

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

PP submitted EIA/EMP report in 165th meeting of SEAC-1 wherein the proposal was deferred till submisison of complinace of following points,

1. PP to submit revised layout showing vehicle movements plan, and adequate parking space within the plot area.

2. PP to submit revised contour map along with storm water drain and its calculations.

3. PP to submit detailed safety management plan to carry out safe demolition of existing structures along with necessary work permits procedures.

4. PP to include all the processes, activities in the HAZOP and submit revised HAZOP reports along with recommendations and proposed safety measures.

5. PP to submit detailed report on identified inland surface water baseline parameters in comparison with standard limits.

6. PP to submit point wise compliance of standard ToR points.

7. PP to include all above points in the EIA/EMP report and submit revised EIA/EMP report.

8. PP to prepare and submit CER plan in consultation with the District Authorities as per OM issued by MoEF&CC dated 01.05.2018.

PP submitted compliance of above points in 168th meeting wherein PP requested to postpone the case.

The proposal was again considerd in the 172nd meeting of SEAC-1 wherein following decission was taken,

During deliberation it was also noticed that, the CPCB issued letter dated 25.10.2019 with reference to the Hon'ble NGT order dated 23.08.2019 and communicated the mechanism for environmental management of the Critically and Severely Polluted area and consideration of activities/projects in such areas in compliance to the Hon'ble NGT order dated 23.08.2019 in the matter of O.A. No. 1038/2018.

The mechanism for consideration of proposal for Environmental Clearance in the Critically and Severely Polluted area is mentioned as below,

para B : Consideration of proposals for grant of Environmental Clearance for new and expansion activities listed in the 'Red' and 'Orange' Categories located in the Critically Polluted Areas and Severely Polluted Areas:

i. Any project or activity specified in category B1 will be appraised at the Central level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas (CPA's) or Severely Polluted Areas (SPA's). However, Category B2 projects shall be considered at state level stipulating Environmental Clearance condition as applicable for Category B1 project/activities.

ii. Proposals located in CPAs and SPAs may be examined by the Sectorial Expert Appraisal Committee (EAC) during scoping/appraisal based on the CEPI scores of Air/Water/land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher score may be made bu EAC in the form of recommendations/decisions. These recommendations may be explicitly mentioned in the Terms of References/Environmental Clearance letter and to be ensured by the member secretary concerned.

The proposal under referenceis located in the Navi Mumbai area which is mentioned at Sr. No. 51 in the Hon'ble NGT order dated 10.07.2019 which will have to be now considered as category "A" proposal.

In view of above SEAC-1 decided to refer the proposal to the SEIAA for confirmation as above.

The SEIAA considered the proposal in 185th meeting held on 10.01.2020 and directed to consider in SEAC-1 as per OM No. 22-23/2018-IA.III of MoEF&CC dated 30.12.2019.

In view of above, SEAC-1 considered the proposal for appraisal.

DECISION OF SEAC

During deliberations it was observed that, the proposed project is located in the critically polluted area as identified by the CPCB. PP has not submitted point wise compliance of the conditions stipulated in the OM issued by MEF&CC dated 31.10.2019 in this regard..

Hence, SEAC-1 decided to defer the proposal till PP submits point wise compliance of conditions stipulated in the OM issued by MEF&CC dated 31.10.2019

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

178th Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 178th - Day-1 **Meeting Date** February 17, 2020

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.Whether in Corporation / Municipal / other area	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.

The proposal was considered in the 158th meeting wherein the proposal was referred to the SEIAA for guidance on the following issue,

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 Amalgamationn	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 Industries Ltd.
2	D-56	720	13.08.1979	10.08.2017	Gem Chem Industries	Aarti Industries Ltd.
3	D-57	720	17.11.1979	10.08.2017	Medics Laboratories	Aarti Industries Ltd.
4	D-59	720	09.08.1979	10.08.2017	Argenta Chemical Pvt. Ltd.	Aarti Industries Ltd.
5	D-60	800	31.12.1979	10.08.2017	Auromic Chemicals	Aarti Industries Ltd.

During deliberations with the PP and their accredited consultant ,it is observed that, total plot area is not sufficient 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.

The SEIAA considerd the proposal in their 161st meeting held on 14.03.2019 wherein following instruction given to the SEAC-1.

".....In view of above authority decided to refer back the proposal to SEAC-1 allowing Aarti Industries to develop the deficit green belt (11.5%) out side the plot, on MIDC land with the permission of MIDC to meet the requirement of 33% of green belt."

As per directions given by the SEIAA, SEAC-1 considered the proposal in its 166th A meeting held on 14.06.2019 and decided as below,

"During deliberations it was observed that, PP propsoes to develop green belt along the periphery out side their plot on MIDC land for which registered lease agreement is yet to be executed between MIDC and PP.

Hence, SEAC-1 decided to defer the proposal till PP submits registered lease document mentioning therin lease period co-terminus with the lease agreement of the industrial plot of the PP."

The proposal was considered in the 172nd meeting of SEAC-1 wherein following decision was taken,

During deliberation it was also noticed that, the CPCB issued letter dated 25.10.2019 with reference to the Hon'ble NGT order dated 23.08.2019 and communicated the mechanism for environmental management of the Critically and Severely Polluted area and consideration of activities/projects in such areas in compliance to the Hon'ble NGT order dated 23.08.2019 in the matter of O.A. No. 1038/2018.

The mechanism for consideration of proposal for Environmental Clearance in the Critically and Severely Polluted area is mentioned as below,

para B : Consideration of proposals for grant of Environmental Clearance for new and expansion activities listed in the 'Red' and 'Orange' Categories located in the Critically Polluted Areas and Severely Polluted Areas:

i. Any project or activity specified in category B1 will be appraised at the Central level, if located in whole or in part within 5 km from the boundary of Critically Polluted Areas (CPA's) or Severely Polluted Areas (SPA's). However, Category B2 projects shall be considered at state level stipulating Environmental Clearance condition as applicable for Category B1 project/activities.

ii. Proposals located in CPAs and SPAs may be examined by the Sectorial Expert Appraisal Committee (EAC) during scoping/appraisal based on the CEPI scores of Air/Water/land Environment as published by CPCB from time to time. In such proposals, appropriate mitigation measures for the environment possessing higher score may be made bu EAC in the form of recommendations/decisions. These recommendations may be explicitly mentioned in the Terms of References/Environmental Clearance letter and to be ensured by the member secretary concerned.

The proposal under reference is located in the Navi Mumbai area which is placed at Sr. No. 51 in the Hon'ble NGT order dated 10.07.2019 which will have to be considered as category "A" proposal.

In view of above, SEAC-1 decided to refer the proposal to the SEIAA to confirm as above.

The SEIAA considered the proposal in 185th meeting held on 10.01.2020 and directed to consider in SEAC-1 as per OM No. 22-23/2018-IA.III of MoEF&CC dated 30.12.2019.

In view of above, SEAC-1 considered the proposal for appraisal.

DECISION OF SEAC

During deliberations it was observed that, the proposed project located in the Severely Polluted Area as identified by the CPCB.

PP has not submitted point wise compliance of the conditions stipulated in the OM issued by MEF&CC dated 31.10.2019 in this regard.

Hence, SEAC-1 decided to defer the proposal till PP submits point wise compliance of conditions stipulated in the OM issued by MEF&CC dated 31.10.2019.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

SEAC Meeting number: 178th - Day-1 **Meeting Date** February 17, 2020

Subject: Environment Clearance for Stone Quarry mining at Village : Khadakwadi, Tal: Manwath, Dist: Parbhani

Is a Violation Case: No

1.Name of Project	Khadakwadi Stone Quarry by Mrs. Archna Yogiraj Chavan and Mr. Yogiraj Padamakarrao Chavan
2.Type of institution	Private
3.Name of Project Proponent	Mrs. Archna Yogiraj Chavan and Mr. Yogiraj Padamakarrao Chavan
4.Name of Consultant	JV Analytical Services
5.Type of project	Stone Quarry Mining
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Gut.No 27 (Part), Village : Khadakwadi, Tal: Manwath, Dist: Parbhani
9.Taluka	Manwath
10.Village	Khadakwadi
Correspondence Name:	Mrs. Archna Yogiraj Chavan and Mr. Yogiraj Padamakarrao Chavan
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	Latur
City:	Latur
11.Whether in Corporation / Municipal / other area	Grampanchayat Khadakwadi
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: Mining Plan Approval no. STC-07(Mining Plan)/2018/04
	Approved Built-up Area: 30000
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	3.00 Ha
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 30000
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: 03-01-2019
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	7500000

22.Number of buildings & its configuration

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

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

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Basalt Stone	-	14063	14063

32.Total Water Requirement

Dry season:	**Source of water**	Tanker water
	Fresh water (CMD):	7.55
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	7.55 M3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	0.4	0.4	-	0.04	0.04	-	0.36	0.36
Gardening	-	7.15	7.15	-	7.15	7.15	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	50 Meter
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable

35.Storm water drainage	**Natural water drainage pattern:**	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	0.36 KLD
	STP technology:	Septic tank followed by soak pit will be provided.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	100000
	Budgetary allocation (O & M cost):	10000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Overburden soil or Murrum will be used for plantation
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	**Dry waste:**	Overburden will be backfilled in the mine pit.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

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

43.Green Belt Development	**Total RG area :**	As per Mine Closure Plan
	No of trees to be cut :	No trees will be cut
	Number of trees to be planted :	830
	List of proposed native trees :	Attached below
	Timeline for completion of plantation :	2 Year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadicrta indica	Neem	65	Medicinal value, To control soil erosion.
2	Syzygium cumini	Jambhul	45	Medicinal value, Edible fruit.
3	Tamarindus indica	Tamrind	50	Medicinal plants,Fruit an important condiment in Indian cuisine, tolerates drought

4	Pongia Pinnata	Karanj	35	Karanja is a medium-sized evergreen or briefly deciduous tree, Karanja trees have been used for soil reclamation
5	Ficus Recemosa	Umber	40	Medicinal value, Edible fruits, Bird attracting species
6	Ficus relegiosa	Pimpal	45	The fruits, leaves, bark and even the latex are used to prepare herbal remedies, Ficus religiosa is tolerant to various climate zones
7	Termanilia arjuna	Arjun	45	Medicinal value, helping to reduce soil erosion
8	Magnifera indica	Amba	75	Edible fruits, varied medicinal properties are attributed to different parts of mango tree.
9	Dalbergia sissoo	Shisam	45	Medicinal value, Bird attracting species
10	Eucalyptus Spp	Nilgiri	60	Nilgiri oil is useful in many pharmaceutical preparations, flavouring of cough lozenges, mouth gargles, toothpastes, perfumes, repellents against mosquitoes, vermins, germicides etc.
11	Samanea saman	Rain tree	55	A multipurpose tree
12	Tectona grandis	Sagvan	60	Teak is a large, long, deciduous tree
13	Leucaenaleuco cephala	Subabhul	55	It is one of the fast growing hardy evergreen species., Because of its strong and deep root system, the tree is highly drought resistant.
14	Cassia fistula	Bahava	50	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species,
15	Delonix regia	Gulmohor	60	Gulmohar is an ornament plant
16	Ficus benghalensis	Vad	45	largest trees by canopy coverage, The figs produced by the tree are eaten by birds
17	Total	-	830	-
45.Total quantity of plants on ground				

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

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

47.Energy

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

48.Energy saving by non-conventional method:

Not applicable

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Not applicable
	O & M cost:	Not applicable

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution	Approach roads to mines and service roads are provided with black topping to reduce dust generation, Sprinkling of water on quarry and haul roads	1.00	0.10
2	Noise pollution	Thick green belt development, Provide PPE to workers	0.40	0.05
3	Solid Waste Management	The overburden will be used for green belt development , surplus will be backfilled in the pit and afforestation will be done.	0.30	0.05
4	Sewage Pollution Control	Septic tank followed by soak pit will be provided	1.00	0.10
5	Occupational Health	Personal Protective Equipment for workers	0.30	0.05
6	Environmental Monitoring	Environmental Monitoring	-	0.50
7	Total	-	3.00	0.85

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	6 meter
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1 (a) Category B2
	Court cases pending if any	No
	Other Relevant Informations	Latitude Longitude R.L (meter) N 19° 14' 30.17" E 76° 34' 13.71" 441.61 N 19° 14' 30.00" E 76° 34' 23.69" 442.19 N 19° 14' 27.37" E 76° 34' 23.00" 441.46 N 19° 14' 26.58''. E 76° 34' 20:12" 440.93 N 19° 14' 26.29" E 76° 34' 13.76" 440.15
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP proposes to provide mitigation measures for dust control, vehicular emission, domestic waste water, etc.
Water Budget	PP submitted water budget calculations at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	PP to provide movable toilets to the workers working in the mine area and sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.

Drainage pattern of the project	PP not to obstruct any natural stream the garland drains shall be designed considering the contour levels on site so as to reach rain water to the mined pit or to the natural course exists on site.
Ground water parameters	No ground water withdrawal is permitted in the proposed mine area.
Solid Waste Management	PP to ensure proper disposal of solid waste as approved by the competent Authority. No nuisance of the waste be created in and around the proposed mine area.
Air Quality & Noise Level issues	PP proposes to construct pakka approach road, water sprinkling for the control of dust pollution. PP proposes to ensure PUC of the vehicles transporting mined material.
Energy Management	The demand for energy will be 5HP which will be supplied by MSEDCL.
Traffic circulation system and risk assessment	PP to provide adequate load baring capacity road for safe plying of the heavy vehicles transporting mined material.
Landscape Plan	PP proposes to develop green belt on the mined area, the mined pits will be created as water reservoirs with all necessary safety provisions.
Disaster management system and risk assessment	PP proposes to provide medical aid facility on the site. DGM approved mine manager will be appointed by the PP.
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	PP submitted EMP cost calculations at Sr. No. 51 of the Consolidated Statement.
Any other issues related to environmental sustainability	Mining / loading activity should carried out only in in day hours' time.

Brief information of the project by SEAC

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

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

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

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

The proposal was again considered in the 173rd meeting of SEAC-1 wherein the proposal was deferred till submission of complaince of following points,

1. PP to submit layout plan showing proposed mine area, area demarcated for crusher if any., 7.5 meter wide safety zone/green belt on the periphery of the proposed area, internal roads with its width and turning radius, area for over burden storage etc.

2. DMO to demarcate area of proposed mining before taking any effective steps on site,

3. PP to submit details of air pollution control measures proposed for mining activities.

4. PP to submit details and sustainability of its water source.

5. PP to submit clarification on the Murrum (low grade lateritic material and weathered basalt), reject material etc. presented during the appraisal.

6. PP to submit bifurcation of activities included in the EMP along with its cost.

7. PP to prepare and submit CER Plan prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

Now PP submitted compliance of above points.

DECISION OF SEAC

After deliberation, SEAC-1 decided to recommend the proposal for priro Environemntal Clearance to the SEIAA subject to follwoing conditions.

Specific Conditions by SEAC:

1) PP to get proposed mine area and 7.5 meter wide safety zone demarcated in presence of DMO before taking any effective steps on site.
2) PP to develop green belt by planting 831 nos. of indigenous trees in 7.5 meter wide safety zone on the periphery of the proposed area with facility of drip irrigation and 1260 nos. of indigenous trees along the approach road before taking any effective steps on site.
3) PP to appoint qualified fore man as a Mine Manager approved by Director General of Mines to ensure safety of the staff/labors appointed at mine site.
4) PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. PP to plant trees along the road.
5) PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to confirm to the standards prescribed by MoEF&CC and CPCB.
6) PP to provide First Aid facility at the proposed mining site.
7) PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
8) PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans.
9) PP along with revenue and forest department shall conduct a joint tree survey and if any trees needs to be cut PP shall ensure compensatory afforestation is to be done as per prevailing rules with the help of Forest Department. PP to transplant the trees to be cut within the non-mine area of the proposed plot.
10) The mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
11) PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
12) PP to ensure that no mining shall be done below the depth as approved in the mining plan.
13) PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
14) PP to ensure no stream is diverted due to proposed quarrying activity.
15) PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.
16) PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
17) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
18) PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
19) PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
20) PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
21) PP to ensure that, the overburden be stored on site and shall be used for refilling of mine pit.
22) PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
23) PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
24) The transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
25) PP to provide solar energy, Gents/Ladies sanitation facility in the Z.P. School in village Khadakwadi from their CER funds in consultation with the District Authority.

FINAL RECOMMENDATION

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

Subject: Environment Clearance for Proposed project for expansion in existing products & addition of new products for manufacturing of amines & specialty chemicals at existing unit of Alkyl Amines Chemicals Limited at Plot Nos.: D-6/1 & D-6/2, MIDC Kurkumbh, Taluka Daund, Dist. Pune, Maharashtra 413802.

Is a Violation Case: No

1.Name of Project	Proposed project for expansion in existing products & addition of new products for manufacturing of amines & specialty chemicals at existing unit of Alkyl Amines Chemicals Limited at Plot Nos.: D-6/1 & D-6/2, MIDC Kurkumbh, Taluka Daund, Dist. Pune, Maharashtra 413802.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kirat Patel -Alkyl Amines Chemicals Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Synthetic Organic Chemicals
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	Yes, EC letter- SEAC-2014/CR-387/TC-2 dated 31.03.2015
8.Location of the project	MIDC Kurkumbh, Maharashtra
9.Taluka	Daund
10.Village	Pandharewadi, Kurkumbh
Correspondence Name:	Mr. Sameer S. Katdare
Room Number:	401-407
Floor:	--
Building Name:	Nirman Vyapar Kendra
Road/Street Name:	--
Locality:	Plot No. 10, Sector 17, Vashi,
City:	Navi Mumbai 400 703
11.Whether in Corporation / Municipal / other area	NA
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 276070
13.Note on the initiated work (If applicable)	Not applicable (Already existing unit)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	276,070 Sq. m.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18599.0
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 18599.0
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 30-11-2019
19.Total ground coverage (m2)	45597 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.51 %
21.Estimated cost of the project	4458200000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Manufacturing units, raw material & finished goods storages area, utilities such as boilers, TFH and DG sets, ETP, RO and MEE.
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	A TO E Aliphatic Amines, Aliphatic Mixed Amines, Aromatic Amines, Aromatic Mixed Amines, Others Mixed Amines	-	-	-
2	A Aliphatic Amines	25,000 MTPA	25,000 MTPA	50,000 MTPA
3	Monomethyl Amine (MMA)	-	-	9,900 MTPA
4	Dimethyl Amine(DMA)	-	-	18,150 MTPA
5	Trimethyl Amine(TMA)	-	-	4,950 MTPA
6	Monoethyl Amine (MEA)	-	-	3,300 MTPA
7	Diethyl Amine (DEA)	-	-	6,600 MTPA
8	Triethyl Amine (TEA)	-	-	29,700 MTPA
9	Monoisopropyl Amine (MIPA)	-	-	26,400 MTPA
10	Diisopropyl Amine (DIPA)	-	-	6,600 MTPA
11	N – Propylamine (NPA)	-	-	3,300 MTPA
12	Di – N – PROPYL AMINE (DNPA)	-	-	6,600 MTPA
13	Tri-N- Propyl Amine (TNPA)	-	-	1,650 MTPA
14	Mono – N – Butylamine (MNBA)	-	-	3,300 MTPA
15	Di-N-Butylamine(DNBA)	-	-	6,600 MTPA
16	Tri-N-Butylamine(TNBA/TBA)	-	-	1,650 MTPA
17	2-Etylhexaylamine(2-EHA)	-	-	9,900 MTPA

18	Bis-2-Ethylhexylamine(BIS-2-EHA)	-	-	3,300 MTPA
19	Mono-Cyclohexylamine(MCHA)	-	-	13,200 MTPA
20	Di-Cyclohexylamine(DCHA)	-	-	4,950 MTPA
21	Proposed Products in category A	--	-	--
22	Morpholine (MORPH)	-	-	13,200 MTPA
23	DiethyleneGlycoaminbe (DGA)	-	-	9,900 MTPA
24	Ethylene Diamine (EDA)	-	-	16,500 MTPA
25	Piperazine (PIPZ)	-	-	6,600 MTPA
26	Allylamine (ALLA)	-	-	8,250 MTPA
27	Diallylamine	-	-	4,950 MTPA
28	Triallylamine	-	-	1,650 MTPA
29	Diamylamine (mixture of amines) (DAMA)	-	-	3,300 MTPA
30	Triamylamine (TAMA)	-	-	3,300 MTPA
31	Tertiary Octyl Amine (TOA)	-	-	3,300 MTPA
32	Isobutylamine (IBA)	-	-	9,900 MTPA
33	1,4- Diaminobutane (1,4- DMB)	-	-	3,300 MTPA
34	Pyrrolidine (Pyrldne)	-	-	9,900 MTPA
35	HexamethyleneDiamine (HMDA)	-	-	6,600 MTPA
36	Hexamethyleneimine (Azepane)	-	-	3,300 MTPA
37	Tertiary Butylamine (TBA)	-	-	3,300 MTPA
38	B Aliphatic Mixed Amines	-	-	--
39	Diisopropylethyl Amine (Hunig's Base)(DIPEA)	-	-	3,300 MTPA
40	Dimethyl Isopropyl Amine(DMIPA)	-	-	6,600 MTPA
41	Ethylmethyl Amine(EMA)	-	-	660 MTPA
42	Diethylmethyl Amine(DEMA)	-	-	1,650 MTPA
43	Dimethylcyclohexyl Amine(DMCHA)	-	-	3,300 MTPA
44	N-ethylcyclohexyl Amine(NECHA)	-	-	1,650 MTPA
45	N-Methylisopropyl Amine(NMIPA)	--	-	1,650 MTPA
46	Diisopropylmethyl Amine(DMPA)	-	-	3,300 MTPA
47	Dimethylbutylamine(DMBA)	-	-	1,650 MTPA
48	Dimethylethylamine(DMEA)	-	-	4,950 MTPA
49	Ethylpropyl Amine(EPA)	-	-	1,650 MTPA
50	N,N Dimethylpropyl Amine(DMPA)	-	-	3,300 MTPA
51	Proposed Products in category B	-	-	--
52	N-ethyl Piperazine (NEPIPZ)	-	-	3,300 MTPA
53	N-Methyl Piperazine (NMPIPZ)	-	-	3,300 MTPA
54	N-Methyl Morpholine (NMM)	-	-	990 MTPA
55	C Aromatic Amines	-	-	--
56	N,N Dimethylbenzyl Amine(BDMA)	-	-	1,650 MTPA
57	1-Methyl-3 Phenyl Propyl Amine(MPPA) 1,650 MTPA	-	-	1,650 MTPA
58	Furfurylamine(FFA)	-	-	4,950 MTPA
59	Benzylamine(MBA)	-	-	1,650 MTPA
60	Dibenzyl Amine(DBA)	-	-	1,650 MTPA
61	N-Ethyl Benzayl Amine(NEBA)	-	-	1,650 MTPA
62	4-Methyl-N.N-Dimethylbenzayl Amine(4MBDMA)	-	-	660 MTPA
63	Beta – Phenylethylamine(PHEA)	-	-	1,650 MTPA
64	Alpha-Phenylethylamine(APEA)	-	-	1,650 MTPA
65	N-Isopropyl Benzene Amine(NIPBA)	-	-	990 MTPA
66	I-(Inaphthyl) Ethylamine(ANEA)	-	-	990 MTPA

67	3,5 Dichloroaniline(3.5 DCA)	-	-	1,650 MTPA
68	Para Cumidine(PCD)	-	-	6,600 MTPA
69	D Aromatic Mixed Amines	-	-	--
70	Thiophene – 2 Ethyl Amine(THEA)	-	-	1,650 MTPA
71	2-Cyclohexylethyl Amine(CHEA)	-	-	990 MTPA
72	Piperidine(PIP)	-	-	4,950 MTPA
73	Trans-4-Methylcyclohexyl Amine(4MCHA)	-	-	1,650 MTPA
74	N-Methylbenzyl Amine(NMBA)	-	-	3,300 MTPA
75	N-Benzylethanol Amine(NBEA)	-	-	1,650 MTPA
76	E Other Mixed Amines	-	-	--
77	Methoxypropylamine(MOPA)	-	-	3,300 MTPA
78	Dimethylaminopropyl Amine(DMAPA)	-	-	8,250 MTPA
79	Methylaminopropyl Amine(MAPA)	-	-	4,950 MTPA
80	N-Methyl IminoBis Propyl Amine(MIBPA)	-	-	3,300 MTPA
81	Tetramethylenedlamine(TMEDA)	-	-	3,300 MTPA
82	Tetramethyl Amino Bis Propyl Amine(TMBPA)	-	-	3,300 MTPA
83	Ethoxy Propyl Amine(ETHOPA)	-	-	3,300 MTPA
84	Ethoxyethyl Amine(EEA)	-	-	3,300 MTPA
85	Diethylaminopropylamine(DEAPA)	-	-	3,300 MTPA
86	Ethylaminoethyl Amine(EAEA)	-	-	3,300 MTPA
87	Dimethylamino Ethyl Amine(DMAEA)	-	-	3,300 MTPA
88	1,3 Propylene Diamine(1,3-DAP)	-	-	3,300 MTPA
89	3- Aminopropanol(3-AP)	-	-	6,600 MTPA
90	Hydroxynovaldamine/N Bis(2hydroxyethyl) F-Phenylendiamine. Sulphatephenylenediaminesulphate (HND/HEPD SULPHATE)	-	-	3,300 MTPA
91	N,N Bis (2 Amminopropyl) Ethylenediamine(N-4 AMINE)	-	-	3,300 MTPA
92	3-Methylamino-1-Phenyl-1-Propanol(MAPP)	-	-	3,300 MTPA
93	Diethyl Hydroxylamine(DEHA)	-	-	6,600 MTPA
94	DibenzylHydroxylaine(DBHA)	-	-	1,650 MTPA
95	Isopropyl Hydroxylamine(IPHA)	-	-	6,600 MTPA
96	N-Ethyl 1,2 – Dimethyl Propylamine (EDMPA)	-	-	1,650 MTPA
97	Mixed Amines(MIXAMIN)	-	-	6,600 MTPA
98	1,2 Dimethylpropylamine(1,2 DMPA)	-	-	1,650 MTPA
99	Tris-2- (Ethyl Hexyl) Amine(TRIS-2-EHA)	-	-	3,300 MTPA
100	3-(2-ethylhexoxy) Propylamine(EHOPA)	-	-	1,650 MTPA
101	Iminobispropylamine(IBPA)	-	-	1,650 MTPA
102	Proposed Products in category E	-	-	--
103	Diethyl Ethylene Diamine (DEEDA)	-	-	1,650 MTPA
104	Diisopropyl Ethylene Diamine (DIPEDA)	-	-	1,650 MTPA
105	Tertiary Amines- typical- N,N Dimethyl Laurylamine-LDMA (TA)	-	-	6,600 MTPA
106	Tri Acetone Amine (TAA)	-	-	4,950 MTPA
107	Di Tertiary Butyl Ethylenediamine (DTBEDA)	-	-	1,650 MTPA
108	Methoxyethylamine (MOEA)	-	-	1,650 MTPA
109	Total for Category A-E	25000 MTPA	25000 MTPA	50000 MTPA
110	Overall Total production for Category A-E will not exceed prescribe 50,000 MTPA limit	-	-	-
111	F Betaines	1250 MTPA	0	1250 MTPA

112	G Aliphatic amine hydrochloride	15,000 MTPA	15,000 MTPA	30,000 MTPA
113	Dimethylamine Hydrochloride(DMA HCL)	-	-	30,000 MTPA
114	Dimethylaminopropylchloride Hydrochloride(DMAPC.HCL)	-	-	3,300 MTPA
115	Diethylamine Hydrochloride(DEA HCL)	-	-	1,650 MTPA
116	Monomethylamine Hydrochloride(MMA HCL)	-	-	1,650 MTPA
117	2-Chloroethylamine Hydrochloride(CEA HCL)	-	-	1,650 MTPA
118	Triethylamine Hydrochloride(TEA HCL)	-	-	3,300 MTPA
119	Trimethylamine Hydrochloride(TMA HCL)	-	-	6,600 MTPA
120	Total for Category G	15000 MTPA	15000 MTPA	30000 MTPA
121	Overall Total production for Category G will not exceed prescribe 30000 MTPA limit	-	-	-
122	H Aliphatic Amine Hydrochloride Solution	15,000 MTPA	0	15,000 MTPA
123	I Amides	500 MTPA	500 MTPA	1000 MTPA
124	Diethyltoluamide (DEET)	-	-	990 MTPA
125	Dietylphenyl Acetamide(DEPA)	-	-	990 MTPA
126	Proposed Products in category I	-	-	--
127	Acetamide (AA)	-	-	990 MTPA
128	Total for Category I	500 MTPA	500 MTPA	1000 MTPA
129	Overall Total production for Category I will not exceed prescribe 1000 MTPA limit	-	-	-
130	J Pearlising Agent	500 MTPA	0	500 MTPA
131	K Hydrogen	600 MTPA	0	600 MTPA
132	L Specialty Intermediates	12,400 MTPA	31,000 MTPA	43,400 MTPA
133	4-Methylcyclohexanone(4 MCHN)	-	-	660 MTPA
134	3- Methoxypropanol(3 MOPL)	-	-	1,650 MTPA
135	Dimethyl Propylene Urea(DMPU)	-	-	1,650 MTPA
136	1.8 – Diazabicyclo (5.4.0) Undec – 7 Ene(DBU)	-	-	3,300 MTPA
137	Ethyl Piperazinedione(EDP)	-	-	1,650 MTPA
138	3– Dimethylaminopropionitrile(DMAPN)	-	-	9,900 MTPA
139	Acetonitrile(AN)	-	-	29,700 MTPA
140	N,N – Dimethyl Imidazolidone(DMI)	-	-	990 MTPA
141	1,5- Diazobicyclo (4,3,0) non-5-Ene(DBN)	-	-	1,320 MTPA
142	2- Methyl Tetrahydrofuran(2-MTHF)	-	-	6,600 MTPA
143	Phenyl Ethyl Alcohol(PHEA)	-	-	1,650 MTPA
144	2- Methyl Resorcinol(3 MR)	-	-	1,650 MTPA
145	Proposed Products in category L	-	-	--
146	Tetrahydrofurfurylalcohol (THFA)	-	-	1,650 MTPA
147	1,2 Pentanediol (1,2 PDL)	-	-	990 MTPA
148	1, Pentanol (1, PNTL)	-	-	990 MTPA
149	Gammabutyrolactone (GBL)	-	-	13,200 MTPA
150	4-Aminobutanol (4-AMBUNOL)	-	-	1,650 MTPA
151	1,6 Hexanediol (1,6 HEXDIOL)	-	-	9,900 MTPA
152	1,5 Pentanediol (1,5 PDIOL)	-	-	9,900 MTPA
153	2 Methylcyclohexylacetate (2 MCA)	-	-	3,300 MTPA
154	Diethylsulphate (DES)	-	-	1,980 MTPA
155	Hindered Amines Light Stabiliser (HALS) Typical- Bis(2,2,6,6 Tetramethyl-4-Piperidyl) Sebacate	-	-	5,280 MTPA
156	N-Methylmorpholineoxide (NMMO)	-	-	1,980 MTPA

157	Trans-4Aminocyclohexanol (4AMCHNL)	-	-	1,650 MTPA
158	Diisobutycarbinol (DIBC)	-	-	1,650 MTPA
159	1,2,4-Triazole (1,2,4 TAZL)	-	-	990 MTPA
160	N-Ethylurea (NEU)	-	-	1,980 MTPA
161	N-Cynoacetyl N-Ethylurea (NCANEU)	-	-	3,960 MTPA
162	2,2,6,6-Tetramethylpiperine 1-Oxyl (TEMPO)	-	-	3,300 MTPA
163	4-Hydroxy-2,2,6,6-Tetramethylpiperine 1-Oxyl (HYDROXY TEMPO)	-	-	3,300 MTPA
164	Diacetonealcohol (DAAL)	-	-	1,650 MTPA
165	Mesityl Oxide (MEO)	-	-	1,650 MTPA
166	2,2,6,6-Tetramethyl 2,3- Dihydropiridine (TMDP)	-	-	1,650 MTPA
167	2,4,6-Trimethyl Pyridine Collidine (CODIN)	-	-	1,650 MTPA
168	Diethyl ketone	-	-	1,650 MTPA
169	Total for Category L	12400MTPA	31000 MTPA	43400 MTPA
170	Overall Total production for Category L will not exceed prescribe 43400 MTPA limit	-	-	-
171	M Sodium Acetate Solution	3400 MTPA	7000 MTPA	10,400 MTPA
172	N Other Products	-	-	-
173	Dilute Caustic Lye	5000 MTPA	0	5000 MTPA
174	Metal Catalyst	12 MTPA	50 MTPA	62 MTPA
175	Diethyltoluamide (DEET) Aqueous Layer	90 MTPA	0	90 MTPA
176	Dilute Ammonia Solution	620 MTPA	180 MTPA	800 MTPA
177	Solvent (Purified)	1 MTPA	-1 MTPA	0
178	Sodium Sulphate	0	3500 MTPA	3500 MTPA
179	Calcium Sulphate	0	1170 MTPA	1170 MTPA
180	Sodium carbonate solution	0	3580 MTPA	3580 MTPA
181	Calcium Carbonate	0	388 MTPA	388 MTPA
182	Dilute Sulphuric Acid	0	8620 MTPA	8620 MTPA
183	Grand Total	79,372 MTPA	95,988 MTPA	1,75,360 MTPA

32.Total Water Requirement

Dry season:	**Source of water**	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	49	0	49	-10	0	-10	39	0	39
Industrial Process	140	67	207	+21	+75	+96	161	142	303
Cooling tower & thermopack	1452	481	1933	-1196	-331	-1527	256	150	406
Gardening	200	10	210	-200	-10	-210	0	0	0
Fresh water requirement	1841	558	2399	-1385	-266	-1651	456	292	748
Fresh water requirement	Water Recycled	-	39+188 +12+12 =251	-	-	-	-	-	-
Fresh water requirement	Total fresh water required 2nd day onwards	-	2148	-	-	-	-	-	-
Fresh water requirement	39 CMD from STP+ 188 CMD RO-1, RO 2 Permeate+ 12 CMD RO-3 Permeate+ 12 CMD live steam condensate from MEE	-	-	-	-	-	-	-	-

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5-10 m
	Size and no of RWH tank(s) and Quantity:	400 m3 x 1 no. Harvested rain water will be stored in this tank and excess rain water will be led to drain.
	Location of the RWH tank(s):	Near Admin building
	Quantity of recharge pits:	Not applicable as collected water will be reused.
	Size of recharge pits :	Not applicable as collected water will be reused.
	Budgetary allocation (Capital cost) :	Rs. 10 Lac
	Budgetary allocation (O & M cost) :	Rs. 0.5 lac/A
	Details of UGT tanks if any :	Solvent storage tanks 14 nos.
35.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains are provided as per natural slopes.
	Quantity of storm water:	1570 lit/s
	Size of SWD:	Width: 600mm; Depth: 600 mm;
Sewage and Waste water	**Sewage generation in KLD:**	Existing: 39 CMD; Proposed: 0 CMD; Total: 39 CMD
	STP technology:	Generated sewage will be treated in existing STP.
	Capacity of STP (CMD):	50 CMD
	Location & area of the STP:	72 sq.m ground coverage near existing ETP
	Budgetary allocation (Capital cost):	Rs. 43.84 Lac
	Budgetary allocation (O & M cost):	Rs. 6 lac/A
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris, Excavated soil
	Disposal of the construction waste debris:	Within premises in low lying area.
Waste generation in the operation Phase:	**Dry waste:**	Hazardous Waste: • Ash from Incineration Hazardous Waste- 2 TPA; • Discarded container/barrels/liners- 7200 Nos./A; • E-waste- 0.9 TPA; • Biomedical waste- 0.1 TPA. Non-hazardous waste: • Wood Pallet- 80 TPA; • Scrap Material-110 TPA; • Carboy plastic- 2000 nos./A; • Office paper waste-2 TPA; • Woven sack bag HDPE- 30TPA; • Drums- 5400 nos./A; • Boiler Ash from coal (Indian)-83,490 TPA (253 TPD); • Boiler Ash from coal (imported)-13,350 TPA
	Wet waste:	Hazardous Waste: • Contaminated Aromatic Aliphatic Or Napthalenic Solvents- 48.5 TPA; • Spent Carbon from ETP - 6 TPA; • Toxic metal containing residue from water purification- 8 TPA; • Distillation residue- 2515 TPA; • Used/spent oil- 27 TPA; • Spent organic solvent- 1590 TPA; • Chemical sludge from waste water treatment/bio sludge- 346 TPA; • Waste/residue containing oil- 4 TPA; • MEE salts- 36 TPA; Non-Hazardous Waste: • Biological Sludge from STP- 20 TPA
	Hazardous waste:	Hazardous Waste: • Contaminated Aromatic Aliphatic Or Napthalenic Solvents- 48.5 TPA; • Ash From Incineration Hazardous Waste - 2 TPA; • Spent Carbon from ETP-6 TPA; • Toxic metal containing residue from water purification- 8 TPA; • Distillation residue- 2515 TPA; • Used/spent oil- 27 TPA; • Spent organic solvent- 1590 TPA; • Discarded container/barrels/liners- 7200 Nos./A; • Chemical sludge from waste water treatment/bio sludge- 346 TPA; • Waste/residue containing oil- 4

Mode of Disposal of waste:	**Dry waste:**	MPCB authorized party for reuse/To CHWTSDF
	Wet waste:	CHWTSDF/Sale to MPCB authorized party/ Incineration in factory
	Hazardous waste:	CHWTSDF/Sale to MPCB authorized party/ Incineration in factory
	Biomedical waste (If applicable):	Authorized Biomedical Waste disposal facility.
	STP Sludge (Dry sludge):	Use as manure for gardening within premises
	Others if any:	Sale to authorized vendors/Recyclers.
Area requirement:	**Location(s):**	In plot D-6/2 area as indicated in plot layout.
	Area for the storage of waste & other material:	Area for the storage of Hazardous waste 400 Sq.m.
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25 lacs, which is Included in total capital cost
	O & M cost:	Rs. 496.86 Lacs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	9-10	7-8	5.5-9.0
2	BOD3,27ºC	mg/L	1000-1250	80-90	<100
3	COD	mg/L	2000-2500	200-250	<250
4	TSS	mg/L	150-200	80-90	<200
5	TDS	mg/L	1500-2000	500-600	<2100

Amount of effluent generation (CMD):	709 CMD
Capacity of the ETP:	Existing ETP-1 - 100 CMD; Existing ETP-2 - 100 CMD; Proposed ETP-3 - 150 CMD
Amount of treated effluent recycled :	251 CMD (39 CMD from STP+ 188 CMD RO-1, RO 2 Permeate+ 12 CMD RO-3 Permeate+ 12 CMD live steam condensate from MEE)
Amount of water send to the CETP:	500.5 CMD (208.5 CMD existing +292 CMD proposed)
Membership of CETP (if require):	CETP Kurkumbh
Note on ETP technology to be used	Existing effluent from process and floor & reactor washings (161 CMD) is being treated in two full-fledged ETP's of 100 CMD each consisting of primary, secondary and tertiary treatment separately. Then existing 256 CMD effluents from boiler & cooling tower blowdowns, effluent from DM plant being neutralized. Then tertiary treated effluent from process along with other effluent from utilities 417 (161+256) CMD is being collected in collection tank. Out of that 208.5 CMD of effluent is discharged
Disposal of the ETP sludge	Sent to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Hazardous Waste Details	-	-	-	-	-	-
2	Contaminated Aromatic Aliphatic Or Napthalenic Solvents	20.1	T/A	48.5	0	48.5	Incineration in factory/ CHWTSDF/ authorized co-processor
3	Ash From Incineration Hazardous Waste	36.2	T/A	2	0	2	To CHWTSDF

4	Spent Carbon from ETP	35.3	T/A	3	3	6	Incineration in factory/ CHWTSDF
5	Toxic metal containing residue from water purification	34.2	T/A	4	4	8	CHWTSDF
6	Distillation residue	20.3	T/A	330	2185	2515	Incineration in factory/ CHWTSDF/ authorized co-processor
7	Used/spent oil	5.1	T/A	11	16	27	Sale to MPCB authorized party
8	Spent organic solvent	28.5	T/A	250	1340	1590	Sale to MPCB authorized party/CHWTSDF/ authorized co-processor
9	Discarded container/barrels/liners	33.3	Nos./A	3600	3600	7200	Sale to MPCB authorized party /return to party
10	Chemical sludge from waste water treatment/bio sludge	34.3	T/A	336	10	346	CHWTSDF/Incineration
11	Waste/residue containing oil	5.2	T/A	2	2	4	Incineration in factory/ CHWTSDF/ authorized co-processor
12	MEE Salts	35.3	T/A	--	36	36	ETP CHWTSDF
13	Spent Catalyst	28.2	T/A	-	18	18	CHWTSDF
14	E-Waste	Not Specified	T/A	-	0.9	0.9	Returned to manufacturer through authorized dealer on buy back procurement
15	Biomedical waste	Not Specified	T/A	-	0.1	0.1	Authorized Biomedical Waste disposal facility.
16	Non-Hazardous waste	-	-	-	-	-	-
17	Wood Pallet	Not Specified	T/A	6.0	74.0	80.0	By Sale
18	Scrap Material	Not Specified	T/A	11.0	99.0	110.0	By Sale
19	Carboy plastic	Not Specified	nos./A	1000	1000	2000	By Sale
20	Office paper waste	Not Specified	T/A	1.0	1.0	2.0	By Sale
21	Woven sack bag HDPE	Not Specified	T/A	1.0	29.0	30.0	By Sale
22	Drums	Not Specified	nos./A	2700	1800	4500	By Sale
23	Boiler Ash from coal (Indian)	Not Specified	T/A	28,380 (86 TPD)	55,110 (167 TPD)	83,490 (253 TPD)	Sale to brick manufacturer
24	Boiler Ash from coal (imported)	Not Specified	T/A	5940 (18 TPD)	7590 (23TPD)	13,350 (41 TPD)	Sale to brick manufacturer
25	Biological Sludge from STP	Not Specified	T/A	--	20	20	Use as manure in gardening

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing 28 TPH Boiler	Imported Coal- 7.5 T/hr /Indian Coal- 10.21 T/hr	1	60 m combined stack	2.0 m	125o C
2	Existing 18 TPH Boiler	Imported Coal- 4.85 T/hr /Indian Coal- 6.56 T/hr	1	60 m combined stack	2.0 m	125o C
3	Existing 10 TPH Boiler	Imported Coal- 2.65 T/hr /Indian Coal- 3.65 T/hr	1	42 m	0.65 m	125o C
4	Proposed 50 TPH Boiler	Imported Coal- 9.5 T/hr /Indian Coal- 17.02 T/hr	1	73 m	2.58 m	125o C
5	Existing TFH 15 lac kcal/hr	FO-125 kg/hr	1	31 m	1 m	130o C
6	Existing TFH10 lac kcal/hr	FO- 70 kg/hr	1	26.5 m	1.8 m	130o C
7	Existing H2 plant TFH- 5 lac Kcal/hr	Methanol/CO /CO2/H2-55 kg/hr	1	15 m	0.25 m	130o C
8	Proposed TFH2- 30 lac Kcal/hr	FO- 190.5 kg/hr	1	42 m	0.5 m	130o C
9	Proposed TFH3- 2.5 lac Kcal/hr	Methanol/Off gas- 28 kg/hr	1	15 m	0.25 m	130o C
10	DG set 1000 KVA (Existing)	HSD- 210 lit/hr	1	7.82 m above enclosure	0.15 m	135o C
11	DG set 1000 KVA (Existing)	HSD- 243 lit/hr	1	7.82 m above enclosure	0.15 m	135o C
12	DG set 2000 KVA (Proposed)	HSD- 403 lit/hr	1	10 m above enclosure	0.25 m	135o C
13	Ethylene Vent MPP2	--	1	15 m	0.08 m	Ambient
14	Flare	Ethylene-75 kg/hr./ H2- 5 kg/hr.	1	5 m	1.5 m	300°C
15	Incinerator	HSD- 20 kg/hr	1	30 m	0.2 m	200-250°C
16	H2 plant PSA vent	-	1	15 m	0.15 m	Ambient
17	Process HCl Scrubber	-	1	6 m	0.15 m	Ambient
18	Acetonitrile Plant vent gas	-	1	12 m	0.08 m	Ambient
19	Ethyl Plant Vent	-	1	24 m	0.24 m	Ambient
20	SMPV vent	-	1	12 m	0.3 m	Ambient
21	MPP-3 vent	-	1	12 m	0.3 m	Ambient
22	HCl Scrubber	-	1	6.5 m	0.15 m	Ambient
23	Amine Hydrochloride plant 2	-	1	15 m	0.3 m	Ambient
24	Amine Hydrochloride plant 3	-	1	15 m	0.3 m	Ambient
25	7th Column Stack	-	1	10 m	0.05 m	Ambient

26	MPP-4 plant, 3 nos.	-	1	15 m each	0.1 m each	Ambient
27	MPP-5	-	1 each	15 m	0.1 m	Ambient
28	MPP-6 VP plant	-	1	15 m	0.1 m	Ambient
29	Acetonitrile Plant	-	1	15 m	0.15 m	Ambient
30	Amine Hydrochloride plant-4, 2 nos.	-	1 each	15 m each	0.3 m each	Ambient
31	PSV Absorber, 2 nos.	-	1 each	15 m each	0.3 m each	Ambient
32	PSA vent	-	1	15 m	0.1 m	Ambient
33	*Note- Existing DG set- 320 KVA x 1 no. will be replaced by 1 no. of DG sets of 2000 KVA.	-	-	-	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	imported coal /Indian coal	17.5 T/hr /10.21 T/hr	9.5 T/hr /17.02 T/hr	17 T/hr /27.23 T/hr
2	FO	271 kg/hr	190.5 kg/hr	461.5 kg/hr
3	HSD	533 lit/hr	403 lit/hr	936 lit/hr
4	Methanol/CO/CO2/H2	55 kg/hr	27 kg/hr	82 kg/hr
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	Inside: 56,401 Sq.m. (20.42% of total plot area); on a plot contiguous to the factory premises along the periphery: 34,752 Sq.m. (12.58% of total plot area); Total: 91,153 Sq.m (33% of total plot area)
	No of trees to be cut :	Nil
	Number of trees to be planted :	Existing Planted: 4000; Proposed to be planted: 9700; Total trees : 13700
	List of proposed native trees :	Arjun, Apta, Vad, Pimpal, etc.
	Timeline for completion of plantation :	With construction 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	Terminaliaarjuna	Arjun	300	Pollution Resistant
2	Bauhinia racemosa	Apta	250	Pollution Resistant
3	Ficusbenghalensis	Vad	250	Pollution Resistant
4	Ficusreligiosa	Pimpal	250	Pollution Resistant
5	Plumeria alba	Chafa	250	Pollution Resistant
6	Azadirachtaindica	Neem	250	Pollution Resistant
7	Teminaliatomentosa	Ain	250	Pollution Resistant
8	Lagerstroemia speciosa	Taman	300	Pollution Resistant

9	Ficuselastica	Rubber	200	Pollution Resistant
10	Tectonagrandis	Teak	5000	Pollution Resistant
11	Cassia fistula	Bahava	500	Pollution Resistant
12	Neolamarckiacadamba	Kadamb	250	Pollution Resistant
13	Aegle marmelos	Bel	500	Pollution Resistant
14	Butea monosperma	Sawar	250	Pollution Resistant
15	Syzygium cumini	Jamun	500	Pollution Resistant
16	Cordia dichotoma	Bhokar	350	Pollution Resistant
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)	800 KVA
	DG set as Power back-up during construction phase	--
	During Operation phase (Connected load):	5500 KW
	During Operation phase (Demand load):	4000 KW
	Transformer:	4000 KVA
	DG set as Power back-up during operation phase:	1000 KVA × 2 Nos. 2000 KVA× 1 No.
	Fuel used:	HSD 936 lit/hr
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

2.013 MWp (DC) Solar PV power plants have been commissioned in July-2015. This solar generated power is transmitted to AACL Kurkumbh plant through MSEDCL Grid (open access).

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	ESP, Dust Collector, Multi-cyclone followed by stack of adequate height	ESP followed by stack of adequate height

Water	ETP, RO, MEE and STP	Proposed additional ETP
Noise	Acoustic enclosure for DG set	Acoustic enclosure for DG set
Solid Waste	Disposal to CHWTSDF/ Sale to authorized Recycler	Disposal to CHWTSDF/ Sale to authorized Recycler

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15.32 Cr.
	O & M cost:	Rs. 7.28 Cr/A

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust	Air Pollution	1.0
2	Debris	Solid Waste	1.0
3	Construction equipment	Noise Pollution	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	ESP, Stack, Multi cyclone and Bag filter	580	10.0
2	Water pollution control	Exiting ETP, MEE & RO, existing STP and proposed ETP	894.85	218.88
3	Noise pollution Control	Acoustic enclosure and regular maintenance	32	0.5
4	Occupational Health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	68.05	3.23
5	Environmental Monitoring Budget including carbon and water footprint	Environmental Monitoring, Carbon Footprint and Water Footprint monitoring	--	10.0
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	25	496.86
7	Green belt	Plantation &Maintenance of Green belt	20	15.0
8	Total	--	1619.9	754.47

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
Specially denatured spirit	liquid	Tank	1440	8640	5192	Local	Road
Anhydrous Ammonia	gas	Tank	75	150	2374	Local	Road
Hydrogen	gas	Cylinder bank and skids	21 NM3	10080 NM3	600000 m3/m	Local	Road
Diethylene Glycol	liquid	tank	100	200	1800	Local	Road
Amine HCL solution	liquid	tank	200	800	9000	Local	Road
Acetic Acid	liquid	tank	200	400	4407	Local	Road
Caustic Lye	liquid	tank	100	100	1320	Local	Road
Ortho cresol	liquid	Drums/RM store	0.15	30	220	Local	Road
Methanol	liquid	tank	80	80	420	Local	Road
Acetone	liquid	tank	45	40	946	Local	Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m with turning radius of 9m
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No such areas within 5 km radius circle.
	Category as per schedule of EIA Notification sheet	B1, 5 (f)
	Court cases pending if any	NO
	Other Relevant Informations	NO
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-04-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP submitted their application for the grant of TOR 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 166th meeting of SEAC-1 held on 27.05.2019 wherein ToR was granted to the PP along with following additional points.

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.

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 internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.

3. PP to submit plan layout showing contour levels, storm water drain lines and location of rain water harvesting facilities along with calculations. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.

4. PP to submit an undertaking for not violating any requirements of EIA Notification,2006 amended from time to time.

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

6. PP to include detailed water balance calculations along with design details of effluent treatment plant and copy of CETP permission to discharge treated effluent to the CETP in the EIA report.

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

8. PP to carry out life cycle analysis of all the products manufactured on site with respect to the acidification potential, eutrophication potential, green house and ozone depletion potential etc and proposed mitigation measures to reduce the identified potentials.

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

10. PP to include details of generation and disposal of hazardous waste including byproducts as per Hazardous and other waste (Management and Trans boundary Movement) Rules, 2016 in the EIA report.

11. PP to submit technical note on how proposed expansion will be accommodated in the existing manufacturing plant along with equipment layout, spaces required for storage of raw materials and finished products etc.

12. PP to submit structural stability certificate of existing building with respect to the proposed expansion.

13. PP to submit hazardous chemical handling protocol

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

15. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly PP to provide lightening arrestor.

PP submitted EIA/EMP report for appraisal in 173rd meeting held on 05.12.2019 where in following decision was taken,

During deliberations it is oberved that, PP have provided only 20% green belt within the plot area. PP furhter conveyed their inability to provide mandatory 33% green belt within the plot area as per OM issued by MoEF&CC on 09.08.2018 because of non availability of the land for the development of green belt.

In view of above, SEAC-1 decided to recommend the proposal for rejection.

The proposal was considerd by the SEIAA in their 185th meeting held on 10.01.2020 wherein SEIAA directed to cosider the proposal for EIA appraisal with follwoing remarks,,

".....SEIAA after deliberations decided to refer back the proposal to SEAC-1 for EIA appraisal considering green belt development as propsoed by PP."

Hence, SEAC-1 considered the proposal for appraisal.

DECISION OF SEAC

After deliberations with the PP and their accredited consultant, SEAC-1 decided to defer the proposal till PP submits compliance of following points

Specific Conditions by SEAC:

1) PP to submit certified compliance of earlier EC No. SEAC-2014/CR-387/TC-2 dated 31.03.2015 obtained from Regional Office of MoEF&CC,Nagpur.
2) PP to submit compliance of point No. 3 (x) of the standard ToR point.
3) PP to obtain and submit clarification from MIDC that, the proposed Green Belt area on MIDC land is not in their service corridor or any other public amenity space.
4) PP proposes green belt development along the Solapur highway - NH9; PP to submit drawing from national Highway Authority demarcating their area of highway, service road etc. and MIDC land so as to ensure proposed green belt will not obstruct their services.
5) PP to submit detailed water balance calculations along with effluent generation and its treatment and disposal mechanism.
6) PP to submit copy of CETP permission for disposal of 505.50 KLD water to the CETP.
7) PP to submit status of onsite incineration whether it will be used or not.
8) PP to carry out fire audit of the site and submit report along with proposed mitigation measures.
9) PP to submit revised layout showing area statement for existing and proposed ground coverage, PP also to mark area for storage of spent solvent with its dimensions and adequacy on layout and submit revised layout.
10) PP to submit detailed report on generation of carbon di oxide in the manufacturing of DIPMA/CHEA/THEA along with proposed mitigation measures. PP to ensure no carbon di oxide is released in the atmosphere.
11) PP to submit revised Environmental Management Plan.
12) PP to submit CER plan prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.

FINAL RECOMMENDATION

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