



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: May 7, 2019

To,
Aastrid Life Sciences Pvt. Ltd.
at Plot No. FS-1 & FS-2, Additional MIDC Mahad, Raigad

Subject: Environment Clearance for Aastrid Life Sciences Pvt. Ltd., at Plot no. at Plot No. FS-1 & FS-2, Additional MIDC Mahad, Raigad, Maharashtra.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 161st meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 165th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) B1 as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	New project for manufacturing of chemical intermediates at Plot No. FS-1 & FS-2, Additional MIDC Mahad, Raigad by Aastrid Life Sciences Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Aastrid Life Sciences Pvt. Ltd.
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Industrial- Manufacturing of Chemical Intermediates
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. FS-1 & FS-2, Additional MIDC Mahad, Raigad
9.Taluka	Mahad
10.Village	Amshet
Correspondence Name:	Dr. Ravi Jagtap
Room Number:	A-514,
Floor:	TTC Industrial Area,
Building Name:	MIDC Mahape,
Road/Street Name:	-
Locality:	TTC Industrial Area,
City:	Navi Mumbai - 400 701
11.Area of the project	Additional MIDC, Mahad, Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 15524.94

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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.)	23228 Sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 15524.94
	Non FSI area (sq. m.): -
	Total BUA area (sq. m.): 15524.94
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: 30-03-2019
19.Total ground coverage (m2)	5970.68 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.92
21.Estimated cost of the project	800000000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	(S)-n-ethyl-2-aminomethyl pyrrolidine	Not Applicable	60.00 MT/A	60.00 MT/A
2	N-ethyl-2-aminomethyl pyrrolidine	Not Applicable	120.00 MT/A	120.00 MT/A
3	2H-thieno[2,3-e]-1,2-thiazine-3-carboxylic acid-6-chloro-4-hydroxy-2-methyl-methyl ester,1,1-dioxide	Not Applicable	12.00 MT/A	12.00 MT/A
4	2-Amino-3-nitro-6-chloropyridine	Not Applicable	24.00 MT/A	24.00 MT/A
5	5,6-Dimethoxy Indanone	Not Applicable	60.00 MT/A	60.00 MT/A
6	5-Chloro-3-Sulfonamide Acetate Thiophene-2-Carboxylate	Not Applicable	60.00 MT/A	60.00 MT/A
7	Glycine Methyl Ester Hydrochloride	Not Applicable	12.00 MT/A	12.00 MT/A
8	(S)-3-Hydroxy Tetrahydrofuran	Not Applicable	36.00 MT/A	36.00 MT/A
9	(R)-3-Hydroxy Tetrahydrofuran	Not Applicable	12.00 MT/A	12.00 MT/A
10	2,5-Pyridinedicarboxylic Acid,1-(2,2-Dimethoxyethyl)-1,4-Dihydro-3-Methoxy-4-Oxo-2-Methyl Ester	Not Applicable	60.00 MT/A	60.00 MT/A
11	Methyl-4-Methoxy Oxobutanoate	Not Applicable	60.00 MT/A	60.00 MT/A
12	2,4,5-Trimethoxy Benzoic Acid	Not Applicable	36.00 MT/A	36.00 MT/A
13	2-Aminothiazol-4-Carboxylic Acid Ethyl Ester	Not Applicable	36.00 MT/A	36.00 MT/A
14	(1S)-2-(Dimethyl amino)-1-Phenylethanol	Not Applicable	24.00 MT/A	24.00 MT/A
15	3-(Bromomethyl)-7-Chlorobenzof[B] Thiophene	Not Applicable	24.00 MT/A	24.00 MT/A
16	Methyl-5-Formyl-2-Methoxy Benzoate	Not Applicable	24.00 MT/A	24.00 MT/A
17	4-Isobutoxybenzylamine	Not Applicable	36.00 MT/A	36.00 MT/A
18	N-(4-fluorobenzyl)-1-methylpiperidin-4-amine	Not Applicable	24.00 MT/A	24.00 MT/A
19	Propiolic acid	Not Applicable	12.00 MT/A	12.00 MT/A
20	N-(4-Aminobenzoyl)-beta alanine	Not Applicable	60.00 MT/A	60.00 MT/A
21	1,2,6-Hexanetriol	Not Applicable	12.00 MT/A	12.00 MT/A
22	Cyclo butyl Carbinol	Not Applicable	24.00 MT/A	24.00 MT/A
23	6-[methyl(phenylsulfonyl)amino]- hexanoic acid	Not Applicable	300.00 MT/A	300.00 MT/A
24	Cyano methyl imidazole	Not Applicable	36.00 MT/A	36.00 MT/A
25	5-methylisoxazole-4-carboxylic acid	Not Applicable	24.00 MT/A	24.00 MT/A
26	6-Bromo 2- naphthoic acid methyl ester	Not Applicable	24.00 MT/A	24.00 MT/A
27	Ethyl 7 chloroheptanoate	Not Applicable	24.00 MT/A	24.00 MT/A
28	Trans- Pentenoic acid	Not Applicable	24.00 MT/A	24.00 MT/A
29	3 nitro 2 methyl benzoic acid	Not Applicable	24.00 MT/A	24.00 MT/A
30	5 nitro 2 methoxy phenol	Not Applicable	24.00 MT/A	24.00 MT/A
31	Bis(4-hydroxyphenyl) (2pyridyl) methane / DeacetylBisacodyl	Not Applicable	60.00 MT/A	60.00 MT/A
32	2-((4-amino pentyl) (ethyl)amino) ethanol	Not Applicable	24.00 MT/A	24.00 MT/A
33	Total	--	1392.00 MT/A	1392.00 MT/A

23. Total Water Requirement

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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	

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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not Applicable	10.00	10.00	Not Applicable	(-) 02.00	(-) 02.00	Not Applicable	08.00	08.00
Industrial Process	Not Applicable	67.00	67.00	Not Applicable	(+) 19.4	(+) 19.4	Not Applicable	86.4	86.4
Cooling tower & thermopack	Not Applicable	502.00	502.00	Not Applicable	(-) 290.00	(-) 290.00	Not Applicable	212.00	212.00
Gardening	Not Applicable	38.00	38.00	Not Applicable	(-) 38.00	(-) 38.00	Not Applicable	00.00	00.00
Fresh water requirement	Not Applicable	617.00	617.00	Not Applicable	(-) 310.6	(-) 310.6	Not Applicable	306.4	306.4

25.Rain Water Harvesting (RWH)

Level of the Ground water table:	5 -10 m
Size and no of RWH tank(s) and Quantity:	1 No. - Capacity - 130 CMD
Location of the RWH tank(s):	UG water Tank - Near pump area
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. 20.0 lacs.
Budgetary allocation (O & M cost) :	Rs. 5.2 lacs. /annum
Details of UGT tanks if any :	i) 2 numbers tank of water with capacity -500 m ³

26.Storm water drainage

Natural water drainage pattern:	Proper and separate storm water drains will be provided as per natural slopes.
Quantity of storm water:	515.2 m ³ /hr.
Size of SWD:	212.1 lit/sec.

27.Sewage and Waste water	Sewage generation in KLD:	Total: 8 CMD
	STP technology:	Combined treatment of domestic waste water in ETP.
	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



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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Excavated Soil will be used for land filling.
Waste generation in the operation Phase:	Dry waste:	Hazardous Waste: • Discarded drums and containers = 2400 Nos./A; • Contaminated Polyethylene bags/liners = 1.5 TPA; • Non-Hazardous Waste: Non Contaminated Polyethylene Bags = 4.0 TPA; Paper Bags = 1.5 TPA; MS/SS Metal Scrap HDPE/FRP/PP Scrap = 35 TPA
	Wet waste:	Hazardous Waste: • ETP Sludge- 300 TPA; • MEE salts - 4980 TPA; • Spent Carbon from ETP - 65 TPA; • Spent Carbon from process - 15.12 TPA; • Spent Catalyst from process - 25.44 TPA; • Spent solvent from process - 2880 TPA; • Residue from Process - 1200 TPA
	Hazardous waste:	Hazardous Waste: • ETP Sludge- 300 TPA; • MEE salts - 4980 TPA; • Spent Carbon from ETP - 65 TPA; • Spent Carbon from process - 15.12 TPA; • Spent Catalyst from process - 25.44 TPA; • Spent solvent from process - 2880 TPA; • Residue from Process - 1200 TPA; • Discarded drums and containers = 2400 Nos/A; • Contaminated Polyethylene bags/liners = 1.5 TPA; Non-Hazardous Waste: • Non Contaminated Polyethylene Bags = 4.0 TPA; • Paper Bags = 1.5 TPA; • MS/SS Metal Scrap HDPE/FRP/PP Scrap = 35 TPA
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	• E - Waste - 0.2 TPA; • Battery Waste - 0.2 T/A
	Mode of Disposal of waste:	Dry waste:
	Wet waste:	CHWTSDF/Sale to authorized party /To authorized party for Regeneration
	Hazardous waste:	CHWTSDF/Sale to authorized party /To authorized party for Regeneration
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Sale to authorized dismantlers/Recyclers.
Area requirement:	Location(s):	Manufacturing area and administration, raw material and finished goods storage area, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, MEE & Green belt area.
	Area for the storage of waste & other material:	• Raw material/ Finished Good Storage Area - 850.47 Sq. m (Ground coverage); • Hazardous Waste Storage Area - 45.00 Sq.m
	Area for machinery:	4210.68 Sq.m
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1.0 Lacs.
	O & M cost:	550.00 Lacs/A

29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	7.0 - 7.5	7.0 - 7.5	6.5- 8.5
2	COD	mg/lit	3000 - 4000	<250	<250
3	BOD ₃ , 27°C	mg/lit	1500 - 2000	<100	<100
4	TSS	mg/lit	100 - 200	<100	<100
5	TDS	mg/lit	1200 - 1300	<2100	<2100
Amount of effluent generation (CMD):		Industrial - 298.4 CMD; Domestic - 8.0 CMD			
Capacity of the ETP:		388.00 CMD			
Amount of treated effluent recycled :		No water will be recycled.			
Amount of water send to the CETP:		323.00 CMD			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		High COD & TDS stream from process will be treated in Multiple Effect Evaporator (MEE). MEE condensate along with utility blow downs will be treated in full-fledged ETP. Domestic wastewater will also be treated in secondary as a combined treatment. After tertiary treatment effluent will be discharged to CETP.			
Disposal of the ETP sludge		CHWTSDF			



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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue from Process	28.1	TPA	Not Applicable	1200	1200	Sale to authorized party /CHWTSDF
2	ETP Sludge	35.3	TPA	Not Applicable	300	300	To CHWTSDF
3	MEE salts	35.3	TPA	Not Applicable	4980.0	4980.0	To CHWTSDF
4	Spent Carbon from ETP	35.3	TPA	Not Applicable	65.00	65.00	To CHWTSDF
5	Spent Carbon from process	28.3	TPA	Not Applicable	15.12	15.12	To CHWTSDF
6	Spent Catalyst from process	28.2	TPA	Not Applicable	25.44	25.44	Regenerate from authorised party
7	Spent Solvent from process	28.6	TPA	Not Applicable	2880	2880	Sale to authorized party/CHWTSDF
8	Discarded drums & containers	33.1	Nos./A	Not Applicable	2400.00	2400.00	Sale to authorised party for reuse
9	Contaminated Polyethylene bags/liners	33.1	TPA	Not Applicable	1.5	1.5	To CHWTSDF
10	Other Waste	--	--	--	--	--	--
11	E-waste	Not Specified	TPA	Not Applicable	0.2	0.2	Sale to authorized dismantlers/Recyclers
12	Battery Waste	Not Specified	TPA	Not Applicable	0.2	0.2	Sale to authorized dismantlers/Recyclers
13	Non-Hazardous Waste Details	--	--	--	--	--	--
14	Non-contaminated polyethylene bags	Not Specified	TPA	Not Applicable	4	4	Reuse/sale to authorized party
15	Paper Bags	Not Specified	TPA	Not Applicable	1.5	1.5	Sale to authorized party
16	MS/SS Metal Scrap HDPE/FRP/PP Scrap	Not Specified	TPA	Not Applicable	3.5	3.5	Sale to authorized party

31.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 - 5 TPH (Proposed)	Briquette 30.00 TPD / Furnace oil 13 TPD for both boilers	1	45.0 (Combine stack for both boilers)	0.6	125°C
2	Boiler - 5 TPH (Proposed)	Briquette 30.00 TPD / Furnace oil 13 TPD for both boilers	1	45.0 (Combine stack for both boilers)	0.6	125°C
3	Thermopac - 1000000 Kcal./hr. (Proposed)	Furnace Oil 2.2 TPD	1	30.0	0.4	130°C

4	DG Set - 1500 KVA 3 nos. (Proposed)	HSD, 1000 lit/hr.	1	30.0	0.2	140°C
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32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Briquette	Not Applicable	30.0 TPD	30.0 TPD	
2	Furnace oil	Not Applicable	15.2 TPD	15.2 TPD	
3	HSD	Not Applicable	1000.0 lit/hr.	1000.0 lit/hr.	
33.Source of Fuel		Local & Imported			
34.Mode of Transportation of fuel to site		By Road			

35.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	2800 KW
	During Operation phase (Demand load):	2100 KW
	Transformer:	2500 KVA
	DG set as Power back-up during operation phase:	Proposed: 3 DG sets - 1500 KVA each
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	No high tension lines are passing through the plot	

Energy saving by non-conventional method:

Astrid will provide solar panel system on parking area 1&2. Electricity of 45kW generated from these solar panels will be used to illuminates Street light and admin building.

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Power	2%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not Applicable	Multicyclone followed by bag filter & stacks for heating unit & scrubbers
Water	Not Applicable	Multi Effect Evaporator & Effluent Treatment Plant
Noise	Not Applicable	Acoustic encl./ Ant vibration pads

Solid Waste	Not Applicable		Disposal to CHWTSDF	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	90.8 Lacs		
	O & M cost:	1.0 Lac/A		
38.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	Provision of Bag filter & Stacks for heating units & Scrubbers	45.00	10.00
2	Water pollution control	Multi Effect Evaporator & Effluent Treatment Plant	366.00	543.00
3	Noise pollution Control	Acoustic encl./ Ant vibration pads	45.0	7.0
4	Occupational health	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment	25.00	3.00
5	Environmental Monitoring budget	Environmental Monitoring	--	2.09
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	1.0	550.00
7	Mitigation Measures for LCA	Installation of solar Panels	90.8	1.0
8	Green belt	Development & Maintenance	18.00	4.00
9	Carbon Footprint Monitoring (Measures taken to reduce carbon footprint)	1) Installation of solar Panels* for reduction of consumption of electricity which indirectly reduce carbon footprint. 2) Tree plantation*, 3) Reduction of fuel consumption by using well efficient insulation to heating equipment.	1.2	0.015

10	Water Footprint Monitoring (Measures taken to reduce water footprint)	1) Rain water harvesting & use of rain water in utilities & domestic 2) Regular maintenance of equipment's to reduce wastage of water due to leaks	21.0	5.52
11	Total	-	573.00	1125.625


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	CCOE TANK FARM AREA	20 T	16	610	Local	By Road
Methylene Dichloride	Liquid	CCOE TANK FARM AREA	20 T	12	4	Local	By Road
Toluene	Liquid	CCOE TANK FARM AREA	20 T	12	115	Local	By Road
Acetic Acid	Liquid	CCOE DRUM STO. AREA	35 Lit	1.75	2	Local	By Road
Acetic Anhydride	Liquid	CCOE DRUM STO. AREA	35 Lit	0.4	20	Local	By Road
Bromine	Liquid	CCOE DRUM STO. AREA	18 Lit	1.44	20	Local	By Road
Benzyl Cynide	Liquid	CCOE DRUM STO. AREA	200 Lit	8.0	5	Local	By Road
Chlorine Gas	Gas	NEAR MFG. AREA	100 m3	4.0	6	Local	By Road
Chlorine Gas (Tonner)	Gas	NEAR ETP AREA	900 m3	27.0	2000	Local	By Road
Chloro Acetone	Liquid	CCOE DRUM STO. AREA	200 Lit	5.0	4	Local	By Road
Chloroform	Liquid	CCOE DRUM STO. AREA	250 Lit	25.0	50	Local	By Road
Di Methyl Formamide (DMF)	Liquid	CCOE DRUM STO. AREA	190 Lit	3.8	20	Local	By Road
Ethyl Acetate	Liquid	CCOE DRUM STO. AREA	190 Lit	15.2	80	Local	By Road
Ethylene Di Chloride (EDC)	Liquid	CCOE DRUM STO. AREA	250 Lit	12.5	55	Local	By Road
Hydrogen Gas Cylinder	Gas	NEAR MFG. AREA 1	5.7 m3	9.12	50	Local	By Road
Hydrogen Gas Cylinder Trolley	Gas	NEAR MFG. AREA 1	7.2 m3	43.2	85	Local	By Road
Hydrogen Peroxide	Liquid	CCOE DRUM STO. AREA	30 Lit	1.5	610	Local	By Road
Liquor Ammonia (Cylinder)	Gas	CCOE DRUM STO. AREA	200 m3	5.0	4	Local	By Road
Pyridine	Liquid	CCOE DRUM STO. AREA	200 Lit	3.0	2	Local	By Road

40.Any Other Information

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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	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	09-07-2018

3. The proposal has been considered by SEIAA in its 165th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to prepare protocol/SOP for the storage, handing and use of the Nitromethane.
II	PP to submit On-Site Emergency Plan to the District Authorities.
III	PP to plant domestic/indigenous species of trees in the green belt.
IV	PP to include monitoring of water and carbon foot print in the EMP.
V	PP to prepare and implement CER plan in consultation with the District Collector with timelines as per OM issued by MoEF&CC dated 01.05.2108.
VI	PP to use new and renewable energy source for illumination of street lights and office building.
VII	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF&CC dated 9th August, 2018.
VIII	PP to prepare and implement CER plan in consultation with the District Collector with timelines as per OM issued by MoEF&CC dated 01.05.2108.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXI	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
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