

08th July 2021

To,
The Director,
Ministry of Environment Forests & Climate Change,
Regional Office, (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur - 440001

Ref: Environmental Clearance letter no. SEAC-2013/CR103/TC-2 dtd 27th June 2016 &
Later Amended on 31st May 2018 granted by SEIAA, Govt. of Maharashtra.

Subject: Submission of six monthly EC compliance report for Ashu organics Pvt. Ltd. At Plot
No A-64, MIDC Badlapur, Tehsil : Badlapur, District-Thane, Maharashtra-421503 (October
2020 - March 2021)-Reg.

Dear Sir,

We have received the Environmental Clearance from State Environment Impact Assessment Authority (SEIAA), Government of Maharashtra on 27th June 2016 & later amended on 31st May 2018 for production of Fine & Specialty Chemicals at Plot No. A-64, MIDC Badlapur, Tehsil : Badlapur, District-Thane, Maharashtra.

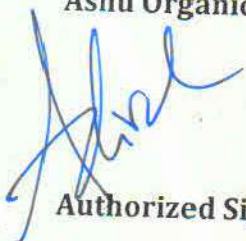
With this reference we are pleased to submit the details required as below:

1. Current status of Project & Point wise compliance report
2. Data sheet of the project
3. Environmental Monitoring reports (attached as Annexure)
4. Other documents viz. EC letter, Consent to Establish, Form-7, Form- IV, Form- V etc. which are attached as annexures.

We hope that that the submission is in line with your requirement and will suffice the purpose.

Thanking You.

Ashu Organics (India) Pvt. Ltd.



Authorized Signatory

Ashu Organics (I) Pvt. Ltd.,
1, Gr. Floor, Gurukripa CHS,
Veer Savarkar Road,
Thane (W) 400 602 MH, INDIA

Tel. : +91 22 25332916
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: +91 22 25404638
www.ashuorganics.com

CIN No. : U99999MH1991PTC064258

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC- 2013/CR-103/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Date: 27th June, 2016.

To,
M/s. Ashu Organics (India) Pvt. Ltd
Shop No. 1, Gurukrupa CHS,
Near Three Petrol Pump,
Veer Savarkar Peth, Thane- 400 602.

Subject: Environmental Clearance for proposed "New Speciality Chemicals Unit" at Plot no A 64, MIDC Badlapur (E) Thane M/s. Ashu Organics (India) Pvt. Ltd.

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 113th meeting and decided to 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 93rd meeting.

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 Project Proponent is as:

1.	Name of Project	Proposed 350 TPM Fine and Specialty Chemicals Production Plant at Plot No.: A – 64, MIDC Badlapur, Tehsil: Badlapur, District: Thane, Maharashtra
2.	Name, Address & Contact No. of Proponent	Mr. Ulhas Dewal Managing Director Shop No. 1, Gurukripa HSG, Near Three Petrol Pump, Naupada, Thane (W)-400602 Telephone No. : 022 2536 5753 Email:ashutosh.dewal@ashuorganics.com
3.	Name, Address & Contact No. of Consultant	Mr. H.K. Desai Managing Director Enviro Analysts and Engineers Private Limited, B-1003, Enviro House, 10 th Floor, Western Edge-II, W.E Highway, Borivali(E),Mumbai-400066 Tel No:91-22 2854 1647/48/49/67/68 Fax No:91-22 2854 1290 Email:info@eaepl.com

4.	Accreditation of Consultant (NABET Accreditation)	NABET Accreditation for 21, 38 & 39 Sector.		
5.	New Project/ Expansion in existing project/ diversification in exiting project	New Project.		
6.	If expansion/ Diversification, Whether environmental clearance has been obtained for existing project (If yes, enclose a copy with compliance table)	No		
7.	Activity Schedule in the EIA Notification	Schedule 5 (f) ,Project Category -B		
8.	Area Details	Plot Area : 7000 m ² Green Belt Area : 2310 m ² (33% of the Total Plot Area)		
9.	Name of the Notified Industrial area/ MIDC area	MIDC, Badlapur		
10.	ToR given by SEAC? (if yes, then specify the meeting)	Yes. ToR has been granted in the 88 th Meeting of the State Level Expert Appraisal Committee-I, Maharashtra (Item No.01) held on 20 th October, 2014.		
11.	Estimated cost of the project (Pl quote estimation clearly specifying cost for land, building, plant and machinery separately)	Sr. No.	Particulars	Amount (Rs. in Crores)
		1.	Land and Site Development	5.31
		2.	Building	
		3.	Plant and Machineries	5.0
		4.	Environmental Protection Measures	1.5
		Total		11.81
12.	Location details of the project	Latitude: 19 ⁰ 9'24.95"N Longitude: 73 ⁰ 14'36.65"E The Elevation of the Project Site is about 32.0 ft. above Mean Sea Level (MSL).		
13.	Distance from protected areas/Critically polluted area/Eco sensitive areas/Inter State boundaries	NA		

14. Raw Materials
(including process
chemicals, catalysts
& additives)

RAW MATERIALS & INTERMEDIATES

SR NO.	NAME	MAX QTY. STORED	MODE OF STORAGE	REMARK
1.	2,4 Dichloro Aniline (2,4 DCA).	10	Bag	Raw Material.
2.	3 Nitro Phthalic Acid (3NPA).	15	Bag	Raw Material.
3.	Acetic Acid.	10 Mt.	Tank of 12 Kl.	Raw Material.
4.	Activated Carbon.	1 Mt.	Bag	Raw Material.
5.	Caustic Soda.	15 Mt.	Bag	Raw Material.
6.	Di Methyl Formamide.	15 Mt.	Drum.	Raw Material.
7.	Nitric Acid 57%.	5 Mt.	Carboy.	Raw Material.
8.	Formaldehyde 40%.	5 Mt.	Drum.	Raw Material.
9.	Hydrochloric Acid 30%.	15 Mt.	Tank of 15 Kl.	Raw Material.
10.	Hydrogen.	80 Cylinder.	Trolley.	Raw Material.
11.	Lime.	20 Mt.	Bag.	Raw Material.
12.	Liq. Ammonia 30%.	10 Mt.	Tank of 12 Kl.	Raw Material.
13.	Methanol.	20 Mt.	Tank of 12 Kl.	Raw Material.
14.	Mono Chloro Benzene.	12 Mt.	Tank of 12 Kl.	Raw Material.
15.	Nile Crude.	10 Mt.	Bag	Raw Material.
16.	Nitro Isophthalic Acid (5-NIPA).	15 Mt.	Bag.	Raw Material.
17.	Nitro Isophthalic Acid Dimethyl Ester (NIPT).	15 Mt.	Bag.	Raw Material.
18.	P-Nitro Benzoic Acid (PNBA).	20 Mt.	Bag.	Raw Material.
19.	Potassium Carbonate	10 Mt.	Bag.	Raw Material.
20.	Raney Nickel/ Pd (Catalyst)	<0.1 Mt.	25 Kgs. Drum.	Raw Material.
21.	Soda Ash.	10mt	Bags.	Raw Material.
22.	Sodium Acetate.	5 Mt	Bag.	Raw Material.
23.	Sodium Bicarbonate.	10 Mt.	Bag.	Raw Material.
24.	Sodium Cyanate.	5 Mt.	Bag.	Raw Material.
25.	Sodium Hypochlorite.	5 Mt.	Drum.	Raw Material.
26.	Sodium Nitrite.	5 Mt.	Bag.	Raw Material.
27.	Sodium Sulfite.	10 Mt.	Bag.	Raw Material.
28.	T Butanol.	11 Mt.	Tank of 12 Kl.	Raw Material.
29.	Thionyl Chloride.	10 Mt.	Drum.	Raw Material.
30.	Thiophenol.	5 Mt.	Drum.	Raw Material.
31.	Toluene.	11 Mt.	Tank of 12 Kl.	Raw Material.
32.	Urea.	15 Mt.	Bag.	Raw Material.
33.	Sulfuric Acid.	3 Mt.	Carboy.	Raw Material.
34.	Meta Nitro Para Toluic Acid (MNPT).	5 Mt.	Bag.	Raw Material.
35.	3 Nitro Carbomethoxy Nitrile Crude.	15 Mt.	Bag.	Intermediate.
36.	5 Nitro Isophthalic Acid Dimethyl Ester Crude.	15 Mt.	Bag.	Intermediate.
37.	Amino Compound (Para Amino Benzamide)	20 Mt.	Bag.	Intermediate.
38.	Chloro Benzene Mother Liquor.	10 Mt.	Tank of 12 Kl.	Intermediate.
39.	Intermediate "A".	5 Mt.	Drum.	Intermediate.
40.	Nitro Body For Hydrogenation Reaction.	25 Mt.	Bag.	Intermediate.
41.	T-Butanol Mother Liquor.	10 Mt.	Tank of 12 Kl.	Intermediate.
42.	Toluene Mother Liquor.	11 Mt.	Tank of 12 Kl.	Intermediata.

15.	Production Details and By Products	<p align="center">PRODUCTS AND QUANTITY OF THE PROPOSED PLANT</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Product Group Based on Unit Operations</th> <th>Name of Products</th> <th>Proposed Quantity (TPM)</th> <th>Proposed Names For Categories</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Nitrile synthesis</td> <td>3 Thiotalonitrile (Ashnil) and compounds involving similar Chemistry.</td> <td>30</td> <td>Manufacturing of Nitriles by Amidation of Aromatic Compounds and Dehydration of Primary / secondary Amides and compounds involving similar Chemistry</td> </tr> <tr> <td>2</td> <td>Condensation Reactions(Using Thionyl /PCl₃)</td> <td>P-Amino CarbamidoBenzamide (PY181 Amine/PABAB) and Compounds involving similar chemistry.</td> <td>40</td> <td>Manufacturing of Aromatic compounds by Condensation using Thionyl Chloride/PCl₃ and Compounds involving similar chemistry</td> </tr> <tr> <td>3</td> <td>Uridation& Nitration</td> <td>5Amino 6Methyl Benzyl midazolone (AMBI) and compounds involving similar chemistry.</td> <td>40</td> <td>Manufacturing of Heterocyclic Aromatic organic compound and its intermediates by Nitration using Dil Nitric Acid and compounds involving similar chemistry.</td> </tr> <tr> <td>4</td> <td>Hydrazine Synthesis</td> <td>(2,4Dichlorophenyl)-1, 2, 4 triazol, 5-one (Int A) and Compounds involving similar chemistry.</td> <td>40</td> <td>Manufacture of 1-substituted-4-AminoCarbonyl-1, 2, 4-Triazol-5-one derivatives and Compounds involving similar chemistry.</td> </tr> <tr> <td rowspan="6">5</td> <td rowspan="6">Hydrogenation</td> <td>3 Amino 4 carbmethoxy 2',5' dichlorobenzanilide (OPLA) Amine</td> <td rowspan="6">100</td> <td rowspan="6">Reduction/Hydrogenation of Aromatic compounds and Compounds involving similar chemistry.</td> </tr> <tr> <td>5 Amino Isophthalic Acid Dimethyl Teryphthalate</td> </tr> <tr> <td>Amino Dimethyl Terephthalate</td> </tr> <tr> <td>Amino Phenoxy Ester</td> </tr> <tr> <td>Methyl Digol Ester</td> </tr> <tr> <td>8 Amino Quinaldine</td> </tr> <tr> <td></td> <td></td> <td>Para Amino Benzamide (PAB)</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5 Amino isophthalic acid</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Compounds involving similar chemistry.</td> <td></td> <td></td> </tr> <tr> <td rowspan="3">6</td> <td rowspan="3">Crystallization and Purification</td> <td>Nile Pure</td> <td rowspan="3">100</td> <td rowspan="3">Purification and Crystallization of Aromatic compounds and compounds involving similar chemistry</td> </tr> <tr> <td>5 Nitro Isophthalic Acid</td> </tr> <tr> <td>5 Nitro Isophthalic Acid Dimethyl Ester</td> </tr> <tr> <td align="center" colspan="3">TOTAL</td> <td>350</td> <td></td> </tr> </tbody> </table>	Sr. No.	Product Group Based on Unit Operations	Name of Products	Proposed Quantity (TPM)	Proposed Names For Categories	1	Nitrile synthesis	3 Thiotalonitrile (Ashnil) and compounds involving similar Chemistry.	30	Manufacturing of Nitriles by Amidation of Aromatic Compounds and Dehydration of Primary / secondary Amides and compounds involving similar Chemistry	2	Condensation Reactions(Using Thionyl /PCl ₃)	P-Amino CarbamidoBenzamide (PY181 Amine/PABAB) and Compounds involving similar chemistry.	40	Manufacturing of Aromatic compounds by Condensation using Thionyl Chloride/PCl ₃ and Compounds involving similar chemistry	3	Uridation& Nitration	5Amino 6Methyl Benzyl midazolone (AMBI) and compounds involving similar chemistry.	40	Manufacturing of Heterocyclic Aromatic organic compound and its intermediates by Nitration using Dil Nitric Acid and compounds involving similar chemistry.	4	Hydrazine Synthesis	(2,4Dichlorophenyl)-1, 2, 4 triazol, 5-one (Int A) and Compounds involving similar chemistry.	40	Manufacture of 1-substituted-4-AminoCarbonyl-1, 2, 4-Triazol-5-one derivatives and Compounds involving similar chemistry.	5	Hydrogenation	3 Amino 4 carbmethoxy 2',5' dichlorobenzanilide (OPLA) Amine	100	Reduction/Hydrogenation of Aromatic compounds and Compounds involving similar chemistry.	5 Amino Isophthalic Acid Dimethyl Teryphthalate	Amino Dimethyl Terephthalate	Amino Phenoxy Ester	Methyl Digol Ester	8 Amino Quinaldine			Para Amino Benzamide (PAB)					5 Amino isophthalic acid					Compounds involving similar chemistry.			6	Crystallization and Purification	Nile Pure	100	Purification and Crystallization of Aromatic compounds and compounds involving similar chemistry	5 Nitro Isophthalic Acid	5 Nitro Isophthalic Acid Dimethyl Ester	TOTAL			350	
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16.	Process Details & Manufacturing Details	Manufacturing Process of all the Products along with Reaction, Flow Chart and Material Balance are presented in details in the EIA Report.																																																														
17.	Rain Water Harvesting (RWH)	This is a Fine and Specialty Chemicals Production Plant. Therefore the Project Proponent is not proposing any Ground Water Recharge to avoid any chance of contamination of Ground Water.																																																														
18.	Total Water Requirement	CATEGORY WISE WATER CONSUMPTION AND WASTEWATER GENERATION																																																														

Sr.No.	Category	Proposed Water Consumption (KLD)	Proposed Waste Water Generation & Water Loss (KLD)	Remarks
1.	Total Domestic Water Requirement	5.0 KLD (Fresh Water from MIDC)	5.0 KLD Sewage Generation	5.0 KLD will be Fed to ETP - 2 (75.0 KLD Capacity) at Aeration Tank and then will be sent to CETP of MIDC Badlapur after Tertiary Treatment.
2.	Industrial Water Requirement			6.0 KLD from Distillation Recovery Unit + 5.5 KLD Water from Evaporator + 9.0 KLD from Condensate = 20.5 KLD water will be Recycled.
a.	Process	59.0 KLD (Fresh Water from MIDC) + 6.0 KLD (from Distillation Recovery Unit) = Total 65.0 KLD.	65.0 KLD Waste Water (WW) will be generated of which 34.0 KLD to will be sent to ETP-1 (Fenton Treatment) + 17.5 KLD Wastewater (WW) will be sent to ETP 2+ 6.5 KLD WW will be sent to Evaporator + 7.0 KLD WW will be sent to Distillation Column= 65.0 KLD WW.	63.0 KLD Treated water will be sent to CETP of MIDC Badlapur after Tertiary Treatment.
b.	Scrubber	5.5 KLD (5.5 KLD Recycled Water from Evaporator)	5.5 KLD WW will be reused	5.0 KLD water will be Sludge Loss.
b.	Boiler	15.5 KLD (6.5 KLD Fresh Water from MIDC Badlapur + 9.0 KLD water from Condensate Reuse)	6.5 KLD will be total WW. 2.0 KLD WW will be sent to ETP- 2. 4.5 KLD Condensed Water will also be sent to ETP- 2.	1.0 KLD Water will be Vapor Loss from Distillation Column. 2.0 KLD water will be Vapor Loss from Cooling Tower.
c.	Cooling	6.0 KLD (Fresh Water from MIDC)	4.0 KLD will be send to ETP- 2	5.5 KLD WW from Scrubber will be reused.
d.	Washing (Vessel)	5.0 KLD (Fresh Water from MIDC)	5.0 KLD will be send to ETP- 2	
	Industrial	97.0 KLD	86.0 KLD	
3.	Green Belt Development	12.0 KLD (Fresh Water from MIDC)	-	
	Grand Total	114.0		Total Recycled & Reused Water is 20.5 + 5.5 KLD = 26.0 KLD i.e 22.8 % of Total Water Requirement
19.	Storm Water Drainage	Natural Drainage Pattern : Yes		
20.	Sewage Generation & Treatment	About 5.0 KLD Sewage will be generated in the proposed project. This sewage will be fed to ETP-2 (75.0 KLD Capacity) at Aeration Tank and then will be sent to CETP of MIDC Badlapur after Tertiary Treatment.		

21. Effluent Characteristics

PROCESS WATER CHARACTERISTICS & TREATMENT PLAN

Sl. No.	Product	Raw effluent							characteristics after ETP-1				characteristics after ETP-2				Effluent discharge (q _{eff})	Solid waste (Tpa)				
		pH	TSS	COD	BOD	Conductivity	Sulphate	Treatment plan	TSS	COD	BOD	pH	TSS	COD	BOD							
																mg/L			mg/L	mg/L	mg/L	mg/L
1	3-Amino-4-Cyanobenzonitrile	0.4	165.0	173.0	269.0	285	687	270	867	824	ETP-1	165.0	173.0	318.2	138.0	7.2	163.0	173.0	225	142	6.4	
2	5-Amino-2-methyl-isothiazole	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.5	
3	4-Amino-2-pyridine-5-carboxamide (ADM)	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.6	
4	4-Amino-2-pyridine-5-carboxamide	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.5	
5	4-Amino-2-pyridine-5-carboxamide	0.4	165.0	173.0	269.0	285	687	270	867	824	ETP-1	165.0	173.0	318.2	138.0	7.2	163.0	173.0	225	142	6.4	
6	4-Amino-2-pyridine-5-carboxamide	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.6	
7	3-Amino-4-methyl-2-imidazole	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.6	
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13	Hydroxy base of AT	0.1	145.0	188	145.0	188	145.0	188	145.0	188	Evaporator											1.4
14	1-(2-Dimethylaminoethyl)-3-(4-Thiazolyl)	1.0	150.0	125.0	285	1625	375	363	343		ETP-1	150.0	125.0	225.0	225.0	7.2	150.0	125.0	200	122	11.0	
15	5-methyl-2-pyridone	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	6.9	
16	5-Amino-2-methyl-2-pyridone	2.5	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	2.5	
17	5-Amino-2-methyl-2-pyridone	15.0	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	15.0	
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20	3-Thio-2-pyridone	0.1	125.0	174.0	259.0	285	742	230	364	359	Distillation											2.5
21	4-Amino-2-pyridine-5-carboxamide	0.2	125.0	174.0	259.0	285	742	230	364	359	ETP-1	125.0	174.0	334.4	149.0	7.2	125.0	174.0	210	132	0.3	
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																						63.5
																						3.9

22. ETP Details

About 97.0 KLD water (Fresh + Recycled) will be the utilized for industrial purpose for this project.

About 86.0 KLD industrial effluents will be generated in the proposed plant.

About 6.0 KLD from Distillation Recovery Unit + 5.5 KLD Water from Evaporator + 9.0 KLD from Condensate = 20.5 KLD water will be Recycled.

About 5.5 KLD Wastewater (WW) from Scrubber will be reused.

About 63.0 KLD Treated water will be sent to CETP after Tertiary Treatment.

About 5.0 KLD water will be Sludge Loss.

About 1.0 KLD Water will be Vapor Loss from Distillation Column.

About 2.0 KLD water will be Vapor Loss from Cooling Tower.

23. **Note on ETP technology to be used**
 Two numbers of Effluent Treatment Plants (ETPs) ETP-1 & ETP-2 will be provided. The capacity of ETP-1 (Fenton Treatment) will be 40.0 KLD. The capacity of ETP-2 will be 75.0 KLD. Waste Water will be treated up to Advanced Tertiary Level.

24. **Solid Waste Management**

HAZARDOUS WASTE						
Sr. No.	Item No in Schedule	Description of Waste	UOM (Max. Qty)	Quantity	Disposal Method	Generated From
1.	28.1	Process residue and waste.	TPM	30	TSDF/ Taloja solid waste site or Cement Industry	Mix salts from Evaporator.
2.	34.3	ETP Sludge.	TPM	2	TSDF/ Taloja solid waste site.	Generated from ETP plant.
3.	28.2	Spent Carbon.	TPM	0.6	TSDF/Cement Industry.	After purification.
4.	20.3	Distillation bottom residue (Including process organics).	TPM	2.5	TSDF/Cement Industry.	Distillation residue which is unable to be reused.
5.	33.3	Discarded containers and liners.	No's per month.	2500	Dispose off to outside agencies after detoxification.	
6.		Distilled solvent after recovery.	KL/day	2	Sale to Authorized recyclers or Industries.	

NONHAZARDOUS WASTE					
Sr. No.	Description of Wastes	Unit	Qty.	Disposal Method	Generated From
1	Ash from Briquette or Ash from Coal	Kg/day	1600	Will be sold to Brick Manufacturer s.	Boiler

25. **Atmospheric Emissions (Flue gas characteristics SPM, SO₂, NO_x, CO, etc)**

Source	Air Pollution Control Equipments
Process Gas	
Ammonia Gas(NH ₃)	Scrubber ,Media : Water/Acid
Sulphur Dioxide gas(SO ₂)	Scrubber, Media : Alkali / Water
HCl(g)	
Nitrous Acid (g)	
Hydrogen Gas(H ₂)	Passed through Trap containing water and then released to air at a height above the top most point of building.
BOILER EMISSION	
Boiler (2 TPH) Fuel Used : Briquette (120 TPM) or Indonesian Coal (70 TPM)	Cyclone Separator in series with Bag Filters.
Thermopack Fuel Used : Furnace	Stack of Sufficient height

		Oil(15 TPM)	
		FUGITIVE EMISSIONS	
		a.RM Dispensing Area	Series of Bag Filters
		b. Solvent Fumes	Condenser

26.	<p>Stack Emission Details: (The entire stack attached to Boilers, Captive Power Plant, DG Sets, and Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. Eg: Process section, DG set, Boilers, Power Plant, incinerator etc. Emissions rate (kg/hr) for each pollutant (SPM, SO₂, NO_x etc. should be specified</p>	Stack Details:			
		Coal Consumption	70	TPM	
			2.33	TPD	30 days in a month
			0.10	TPH	24 hrs. working considered
			97.22	Kg/hr	
		Sulfur Content	0.80%		
		Sulfur Emission	0.78	Kg/hr	
		SO ₂	1.56	Kg/hr	
		Stack Height Calculation for Thermopack			
		FO Consumption	15	TPM	
			0.5	TPD	
			20.83	Kg/hr	
		Sulfur Content	2.50%		
		Sulfur Emission	0.52	Kg/hr	
		SO ₂	1.04	Kg/hr	
		Common Stack Provided for Boiler & Thermopack			
		Total SO ₂ Emission	2.60	Kg/hr	
		Stack Height Required	18.64	m	
		Stack Height Provided	30	m	Thus Adequate
		Common Stack will be provided to Boiler of 2TPH Capacity & Thermopack of 4,00,000 KCL/hr Capacity and the height of the Stack will be 30.0m. About 5.0m high Stack above the roof top will be provided for DG set.			

27.	Emission Standard	Pollutant	Premissible Standard	Proposed Concentration	Remarks
		PM _{2.5}	60 µg/m ³	<60	As per NAAQS
		PM ₁₀	100 µg/m ³	<100	

	SO ₂	80 µg/m ³	<80
	NO _x	80 µg/m ³	<80

28.	Ambient Air Quality Data	AMBIENT AIR QUALITY DATA										
		Monitoring Location	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Monitoring Duration= 24 hours												
PM ₁₀ (µg/m ³)	Min.	56	38	34	63	47	64	40	40	35	29	100
	Max.	79	57	74	91	63	72	54	58	56	51	
	Avg.	66	47	53	77	55	68	47	49	44	40	
	98 %ile	79	57	74	90	63	72	54	58	55	51	
PM _{2.5} (µg/m ³)	Min.	37	25	19	36	33	29	24	19	25	17	60
	Max.	54	38	45	53	41	48	40	32	35	24	
	Avg.	46	31	32	45	37	38	31	27	30	20	
	98 %ile	54	38	44	53	41	48	40	32	35	24	
SO ₂ (µg/m ³)	Min.	15.4	7.8	12.9	16.5	9.4	25.8	15.5	11.1	7.2	6.5	80
	Max.	28.2	13.3	24.3	35.4	20.6	28.6	23.3	16.5	8.5	7.8	
	Avg.	22.6	10.4	18.6	26.8	14.9	27.2	18.7	13.6	7.8	7.1	
	98 %ile	28.2	13.3	24.2	35.3	20.5	28.5	23.2	16.4	8.5	7.8	
NO _x (µg/m ³)	Min.	24.3	15.4	27.8	25.3	18.9	27.4	18.9	16.4	13.0	11.1	80
	Max.	35.1	21.3	37.6	48.2	20.4	39.4	28.6	24.6	16.7	12.2	
	Avg.	29.7	18.3	32.4	36.9	19.6	33.5	23.8	20.1	15.1	11.7	
	98 %ile	35.1	21.3	37.5	47.9	20.4	39.2	28.5	24.4	16.7	12.2	
BaP (ng/m ³)	Min.											01 (Annual)
	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Avg.											
	98 %ile											
Aresenic (ng/m ³)	Min.											06 (Annual)
	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Avg.											
	98 %ile											

		Monitoring Location												NAAQS
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10			
		Monitoring Duration= 24 hours												
CO (mg/m ³) (8hrs)	Min.	1.15	1.65	1.23	1.52	1.35	1.86	1.20	0.14	0.32	0.24	02		
	Max.	1.43	2.21	1.58	2.31	1.91	2.21	1.60	1.80	1.50	2.10			
	Avg.	1.30	19.9 1	1.40	1.90	1.64	2.01	1.41	0.69	0.86	0.99			
	98 %ile	1.43	2.21	1.57	2.29	1.91	2.21	1.60	1.58	1.46	1.93			
NH ₃ (µg/m ³)	Min.	41.0	23.0	21.0	32.0	22.0	20.0	21.0	23.0	20.0	23.0	400		
	Max.	52.0	34.0	38.0	46.0	28.0	25.0	29.0	26.0	22.0	32.0			
	Avg.	46.75	28.2 9	29.1	39.5	25.1	22.67	24.79	24.71	21.04	27.25			
	98 %ile	52.0	34.0	37.5	46.0	28.0	25.0	28.54	26.0	22.0	31.54			
Ozone	Min.	9.2	6.20	5.4	8.5	6.5	0.9	BDL	BDL	BDL	BDL	100		
	Max.	15.4	8.10	7.5	10.3	7.9	5.6							
	Avg.	12.4	7.15	6.3	9.4	7.2	3.4							
	98 %ile	15.4	8.10	7.4	10.3	7.9	5.5							
Benzene	Min.	1.80	0.15	0.01	0.11	0.12	0.02	BDL	BDL	BDL	BDL	05 (Annual)		
	Max.	2.40	1.60	0.13	0.19	0.16	0.14							
	Avg.	2.12	0.96	0.08	0.15	0.14	0.09							
	98 %ile	2.40	1.60	0.13	0.19	0.16	0.14							
Nickel (ng/m ³)	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20 (annual)	
	Max.													
	Avg.													
	98 %ile													
Lead (µg/m ³)	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	01	
	Max.													
	Avg.													
	98 %ile													
29.	Details of Fuel used: Source of Fuel Mode of Transportation of fuel to site	Total Power Requirement: 600 kVA Source: MSEDCL												
30.	Energy	DG Set (As Backup During Power Failure): 1X300 kVA												
		Fuel Requirement	Sr. No.	Type of Fuel	Quantity									
			1	Briquette (Agro Waste) for 2TPH Boiler	120.0 TPM									
			or 2	Coal for 2 TPH Boiler	70.0 TPM									
			3	HSD for DG Set	1200 LPM									
			4	Furnace Oil for Thermopack 4,00,000 KCL/hr Capacity.	15.0 TPM									
31.	Green Belt Development	Total Plot Area is 7000 m ² . Green Belt is estimated to be developed within the project site in 33.0% of the Total Plot Area i.e 2310 m ² area is reserved for Green Belt. development.												
32.	Details of pollution control system	Water: Two numbers of Effluent Treatment Plants (ETPs) ETP-1 & ETP-2 will be provided. The capacity of ETP-1 (Fenton Treatment) will be 40.0 KLD. The capacity of ETP-2 will be 75.0 KLD. Waste Water will be treated up to Advanced Tertiary Level.												

		SO ₂	80 µg/m ³	<80
		NO _x	80 µg/m ³	<80

28.	Ambient Air Quality Data	AMBIENT AIR QUALITY DATA										
		Monitoring Location	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10
Monitoring Duration= 24 hours												
PM ₁₀ (µg/m ³)	Min.	56	38	34	63	47	64	40	40	35	29	100
	Max.	79	57	74	91	63	72	54	58	56	51	
	Avg.	66	47	53	77	55	68	47	49	44	40	
	98 %ile	79	57	74	90	63	72	54	58	55	51	
PM _{2.5} (µg/m ³)	Min.	37	25	19	36	33	29	24	19	25	17	60
	Max.	54	38	45	53	41	48	40	32	35	24	
	Avg.	46	31	32	45	37	38	31	27	30	20	
	98 %ile	54	38	44	53	41	48	40	32	35	24	
SO ₂ (µg/m ³)	Min.	15.4	7.8	12.9	16.5	9.4	25.8	15.5	11.1	7.2	6.5	80
	Max.	28.2	13.3	24.3	35.4	20.6	28.6	23.3	16.5	8.5	7.8	
	Avg.	22.6	10.4	18.6	26.8	14.9	27.2	18.7	13.6	7.8	7.1	
	98 %ile	28.2	13.3	24.2	35.3	20.5	28.5	23.2	16.4	8.5	7.8	
NO ₂ (µg/m ³)	Min.	24.3	15.4	27.8	25.3	18.9	27.4	18.9	16.4	13.0	11.1	80
	Max.	35.1	21.3	37.6	48.2	20.4	39.4	28.6	24.6	16.7	12.2	
	Avg.	29.7	18.3	32.4	36.9	19.6	33.5	23.8	20.1	15.1	11.7	
	98 %ile	35.1	21.3	37.5	47.9	20.4	39.2	28.5	24.4	16.7	12.2	
BaP (ng/m ³)	Min.											01 (Annual)
	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Avg.											
	98 %ile											
Aresenic (ng/m ³)	Min.											06 (Annual)
	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Avg.											
	98 %ile											

		<p>Air: Already it has been discussed in the Sr. No. 25.</p> <p>Hazardous Solid Wastes: Already it has been discussed in the Sr. No. 24.</p> <p>Noise: Generation of noise during constructional phase will be due to construction and installation of machineries. During the operational phase, there may be generation of noise due to operation of boiler, thermopack, reactor, D.G. set, loading equipments and other vehicular movements. All these sources will generate continuous noise. However, the noise transmission outside the plant boundary will be low because most of the noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. sets. However, D.G. sets will be treated as stand by and usage would be very less in emergency or during the power failure only. The workers will also be provided with ear muff, ear plug while working at noisy area.</p>
33.	Environmental Management Plan Budgetary Allocation	EMP Budget for Environmental Protection Measures has been estimated which is about Rs. 1.5 Crores.
34.	EIA submitted (If yes then submit the salient features)	<p>Yes, EIA Report has been submitted on 14/07/2015.</p> <p>Study Period: 1st Dec, 2014 to 28th Feb, 2015.</p> <p>Air Monitoring Locations : 10</p> <p>Noise Monitoring Locations : 10</p> <p>Surface Water Monitoring Locations : 4</p> <p>Ground Water Monitoring Locations : 4</p> <p>Soil Monitoring Locations : 4</p>
35.	Public Hearing Report (if public hearing conducted then submit the salient features)	<p>Date of the Public Hearing: NA</p> <p>Name of the news paper in which the advertisement appeared (Please attach the copy): NA</p> <p>Location of the public hearing: NA</p> <p>Number of people attended the hearing: NA Objection(s) / Suggestion(s) if any: NA</p>
36.	Air Pollution Water Pollution issues in the project area, If any	No
37.	Storage of Chemicals (inflammable/explosives /hazardous/ toxic substances)	Already it has been discussed in the Sr. No. 14.

3. The proposal has been considered by SEIAA in its 93rd meetings & 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 :


General Conditions for Pre- construction phase:-

- (i) This environment clearance is issued for construction of the project and not for commencement for operations production.
- (ii) This environment clearance is issued subject to the outcome of the PIL filed by Vanshakti Public Trust & Ors before Hon'ble NGT, Pune in Appeal No. 37/2013.

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- (iii) PP to provide adequate toilets for staff.
 - (iv) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
 - (v) This environmental clearance is issued subject to implementation of online air monitoring facility equipment.
 - (vi) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
 - (vii) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
 - (viii) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
 - (ix) Proper Housekeeping programmers shall be implemented.
 - (x) 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.
 - (xi) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
 - (xii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
 - (xiii) Arrangement shall be made that effluent and storm water does not get mixed.
 - (xiv) 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.
 - (xv) 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.
 - (xvi) 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.
 - (xvii) 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.
 - (xviii) 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.
 - (xix) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
 - (xx) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
 - (xxi) 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.
 - (xxii) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.

- Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
- (xxiii) 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.
- (xxiv) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxv) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxvi) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxvii) 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
- (xxviii) 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>
- (xxix) 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.
- (xxx) 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.
- (xxxi) 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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorai 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.
- (xxxii) 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.
- (xxxiii) 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. The Environment department reserves the right 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.
6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF & CC Notification dated 29th April, 2015 to start of production operations.
7. 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.
8. 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.
9. Any appeal against this environmental 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.


(S. M. Gavai)
Member Secretary, SEIAA.

Copy to:

1. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune - 411014. .
2. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. Regional Office, MPCB, Thane.
6. Collector, Thane
7. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
8. Select file (TC-3)

(EC uploaded on 28/06/2016)

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SECA-2013/CR-103/TC-2
 Environment Department,
 217(Annex), Mantralaya,
 Mumbai- 400 032.
 Date: 31.05.2018.

To,
 M/s Ashu Organics (India) Pvt. Ltd.,
 Shop 1, Gurukrupa CHS,
 Near Three Petrol Pump,
 Thane - 400602

Sub: Amendment in Environment Clearance

- Ref: 1. Your letter no. Nil dated 10.01.2018.
 2. EC issued vide SEAC-2013/CR-103/TC-2 dt. 27.06.2016.
 3. Minutes of 129th meeting of SEIAA held on 10th May, 2018.

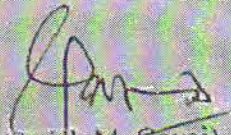
Sir,

This office is in receipt of your letter vide above ref.(1) requesting amendment in environment clearance granted vide above ref.(2) for proposed "New Specialty Chemical Unit" at Plot A64, MIDC, Badlapur (E), Thane.

The proposal was considered in the 129th meeting of SEIAA held on 10th May, 2018. As per the decision taken in the meeting, it is to inform that the condition no. 3(i)&(ii) mentioned in the letter of EC issued vide above ref. (2) is amended as below:

condition no. 3(i) &(ii) mentioned in the letter of EC dated 27.06.2016	Read as
3(i) This environment clearance is issued for construction of the project and not for commencement of the operation production.	This environment clearance is issued for construction and commencement of the operation production.
3(ii) The environment clearance is issued subject to outcome of the PIR filed by Vanshakti Public Trust & Ors before Hon'ble NGT, Pune in Appeal No. 37/2013.	Nil

Terms and conditions in this office even number letter dated 27.06.2016 remains the same.


 (Satish M. Gavai)
 Additional/Chief Secretary
 & Member Secretary, SEIAA



Ashu Organics (India) Pvt. Ltd.

OFFICE : Shop 1, Gurukrupa Co-op. Hsg. Society, Near Three Petrol Pump, Veer Savarkar Path, Thane - 400 602, India.
Tel. No. (Office) : +91-22-2533 2916 / 2536 5753 / 2540 4638 Fax : +91-22-2533 9125 url : www.ashuorganics.com
CIN No. U99999MH1991PTC064258

To, *o/c*
The Member Secretary
State Level Environment Impact Assessment Authority (SEIAA)
Environment Department
Government of Maharashtra
Room No. 217, 2nd Floor, Mantralaya Annex
Madam Cama Road
Mumbai - 400032.

Date: 10/01/2018

Subject: Removal of Condition against the point no i and ii as mentioned in the Enviromental Clearance for proposed " New Specialty Chemical Unit" at Plot A64, MIDC, Badlapur (E),Thane to Ashu Organics I Pvt Ltd as per SEAC-2013/Cr-103/TC-2 Dt 27th June 2016.

Reference: Judgement of Honorable NGT,Pune in Appeal no 3/2013.

Dear Sir,

1. The Project of Ashu Organics (I) Pvt Ltd against which the EC has been granted is located at Badlapur MIDC, Tehsil Badlapur, District Thane, Maharashtra.
2. The Effluent discharge from the proposed project shall be sent to Badlapur CETP which is an independent CETP and has no connection/relation with Additional Ambernath, Dombivali Phase 1 and Phase 2 Common Effluent treatment plants.
3. The PIL filed by Vanshakti Public Trust and Ors before Honorable NGT,Pune in Appeal no 37/2013 is for Ambernath and Dombivali CETP and the CETP at Badlapur is not covered in the same.
4. As per the attached Judgment dt 1st May 2017, The application 37/2013 moved by Vanshakti Public trust has been disposed with directions and also the CPCB has revised its directions by letter dt 31st Mar 2016. (Refer Annexure 1)
5. Further, During the 113th Meeting of SEAC, the letter of CETP for sufficient capacity and acceptance of Hydraulic load was submitted to the committee (Refer Annexure 2)
6. Screen shot copy of effluent discharge results complying with MPCB norms of Badlapur CETP for the period Nov-2017 is attached herewith. (Refer Annexure 3).
7. Consent to Establish issued by Maharashtra Pollution control board (Refer Annexure 4)
8. Hence, we here by request you to remove the condition I and II mentioned in the EC granted (SEAC-2013/Cr-103/TC-2 Dt 27th June 2016.) and allow us to start production against the granted EC (*Annexure 5*)

We await your communication regarding the Grant of Environmental Clearance for our above mentioned project.

With Thanks & Regards,

Yours faithfully,

for Ashu Organics (India) Pvt. Ltd.

[Signature]
Mr. Ashutosh Dewal
Director

Encl : as above

CC : Jt.Chief Executive Officer,

Udyog Sarathi, Marol MIDC, Mahakali Gumphra Marg, Andheri (W), Mumbai-93



16/1/18
[Handwritten notes]

Monitoring Report

PART - I

DATA SHEET

No.			
1.	Project type: River Valley / Mining / Industry / Thermal / Nuclear / Others (specify)	:	Industry
2.	Name of the Project	:	Fine & Specialty Chemicals Production plant at Plot No A-64,MIDC Badlapur, Tehsil : Badlapur, District- Thane, Maharashtra by Ashu Organics (India) Pvt. Ltd.
3.	Clearance letter (s) / OM No. and date	:	SEAC-2013/CR103/TC-2 dtd 27th June 2016 & Amendment on 31st May 2018
4.	Location		
	a) District (s)	:	Thane
	b) State (s)	:	Maharashtra
	c) Location latitude / longitude	:	Latitude: and Longitude Latitude : 19° 9'24.95"N Longitude : 73° 14'36.65"E
5.	Address for Correspondence	:	
	a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers)		Mr Ashutosh Dewal Ashu Organics Group of Companies Ground floor, Gurukripa Soc, V. S. Road, Nr. Teen Petrol Pump Thane 400602 Tel : ++ 91 22 25332916 Fax : ++ 91 22 25339125
6.	Salient features of the Project	:	The project is for manufacturing of Fine & Specialty Chemicals wherein the details are as under: Total capacity : 350 T/M

	a) of the Environmental Management Plans		Environment Management Plan Includes the following : <ul style="list-style-type: none"> ➤ Air pollution control system includes : Stack, Scrubber ➤ Water pollution control system includes : ETP & MEE ➤ Noise pollution Control includes Acoustic enclosure and regular maintenance ➤ Occupational Health includes Medical checkup, Health insurance policy, Medical staff charges, First aid facilities, consumables, In-house first aid room, Other infrastructure and Equipment ➤ Green belt includes maintenance of the same
7.	Break up of the Project Area a) Submergence area: forest & non forest	:	Not applicable as forest area is not involved in the project. It is an industrial project located within notified MIDC. i.e, MIDC Badlapur.
	Others		Enclosed as Annexure - I
	a) Total Plot Area		7000 M ²
	b) Built - Up Area (Including Road)		4082.40 M ²
	c) FSI area		$4082.40 / 7000 = 0.58 < 1.00$
	d) Non – FSI Area		Nil
8.	Break up of the project affected population with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans: a) SC, ST / Adivasi	:	Not applicable as no project affected population is there due to the fact that the project is located in the notified industrial area i.e. MIDC Badlapur.
	b) Others (please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	:	
9 a)	Financial Details: Project cost as originally planned and subsequent	:	Total Project Cost Projected - 1181.00 lakhs

	revised estimates and the year of price reference		Subsequent revised estimates – 1431.00 Lakhs Year of Price reference- 2019
b)	Allocation made for environmental management plans with item wise and year wise breakup	:	Total capital cost for environmental management plans : Rs. 185.53 lakhs Total recurring cost for environmental management plans : Rs. 66.15 lakhs The detailed breakup of the environmental management cost is enclosed in Annexure-II
c)	Benefit cost ratio/Internal rate of Return and the year of assessment	:	Year of assessment: March 2021. Internal rate of Return – 11%
d)	Whether (c) includes the cost of environmental management as shown in the above	:	Yes
e)	Actual expenditure incurred on the project so far	:	Existing (Upto March 2021) : Rs. 1431.00 Lakhs
f)	Actual expenditure incurred on the environmental management plans so far	:	Existing (Upto March 2021) : Rs. 185.53 lakhs
10	Forest Land Requirement		
a)	The status of approval for diversion of forest land for non-forestry use	:	Not applicable as the project is located in a notified Industrial area i.e., MIDC Badlapur..
b)	The status of clearing felling	:	Not applicable as the project is located in a notified Industrial area i.e., MIDC Badlapur.
c)	The status of compensatory afforestation, if any Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not applicable as the project is located in a notified Industrial area i.e., MIDC Badlapur..
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads.), if any with quantitative information required.	:	Not applicable as the project is located in a notified Industrial area i.e., MIDC Badlapur..
12	Status of construction (Actual&/or		The construction is already completed. The project is for Manufacturing of Fine & Specialty Chemicals

	planned)		Photographs of the project site is attached as Annexure-III.
a)	Date of commencement (Actual&/or planned)	:	March 2018
b)	Date of completion (Actual&/or planned)	:	December 2019
13	Reasons for the delay if the project is yet to start	:	Not applicable as the project has already started
14	Dates of Site Visits		
a)	The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	There is no visit from Regional Office in last six months (October 2020- March 20121)
b)	Date of site visits for this monitoring report	:	There is no visit from Regional Office in last six months (October 2020- March 20121)
15.	<p>Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit.</p> <p>(The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)</p>		Not applicable

Point-wise compliance to the environmental clearance conditions given in the letter no. SEAC-2013/CR103/TC-2 dated 27th June 2016 & 31st May 2018.

Sr.No	EC condition	Compliance
General conditions		
I.	This environmental clearance issued for construction and for commencement for operation productions.	Noted & agreed
II	The environmental clearance is issued subject to the outcome of the PIL filed by Vansakti public Trust and others before Ho'nble NGT, Pune in appeal No. 37/2013.	Not applicable as this condition is removed from Environmental clearance which was later amendment in 31/05/2018.
III	PP to provide adequate toilets for staff	Total 3 numbers of toilets has been provided to staff & 3 numbers for workers.
IV	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	No additional land is being used / has been acquired for any activity.
V	This environmental clearance is issued subject to implementation of online air monitoring system.	As per the New Fuel Policy, OCEMS is mandatory for FO and Pet Coke only and for MSI and LSI industry only along with scrubber system. Our industry is SSI & not using Furnace oil, pet coke as a fuel Hence; it is not applicable to our unit. OCEMS policy is attached as Annexure-XX
VI	For controlling fugitive natural dust, regular sprinkling of water & wind shield at appropriate distances in vulnerable areas of the plant shall be ensured	Dust emission controls measures were followed during construction activity. Same implemented for the operation phase to reduce the fugitive natural dust
VII	Regular monitoring of the air quality, including SPM & SO2 levels both in works one and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	The ambient air quality monitoring was carried out near Main gate. All the parameters were found to be within the respective stipulated NAAQS standards. The result of some of the parameters are as under: PM10 : 66.36 µg/m3 PM2.5 : 35.09 µg/m3 SO2 : < 8.5 µg/m3 NO2 : 22.70 µg/m3 The workplace monitoring is carried out in factory premises. All the parameters were found to be within the respective stipulated NAAQS standards. The result of some of the parameters are as under:

		Ammonia 0.27 ppm SPM 2.96 µg/m ³ HCl 3.05 ppm Toluene 0.30 ppm and benzene, , butanol & methanol is <1 ppm while monitoring The detailed results are enclosed as Annexure- IV
VIII	Necessary arrangement shall be made to adequate safety & ventilation arrangement in furnace area.	Not applicable as the Coal is main fuel.
IX	Proper Housekeeping programmers shall be implemented	Proper housekeeping programs are being implemented. records for housekeeping is attached as Annexure-V
X	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.	In the event of the failure of any pollution control system adopted by the unit, the unit will certainly be immediately put out of operation and will not be restarted until the desired efficiency has been achieved
XI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Adequate stack heights have been provided to the D.G sets for example a stack height of 5.0 m has been provided for the 500 KVA D.G set.
XII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water	The rainwater will be harvested in proposed tank. The rainwater pipeline is connected to terrace area. Photographs of the same are attached as Annexure- VI
XIII	Arrangement shall be made that effluent and storm water does not get mixed.	The separate effluent line and storm water drains have been provided in the project site & the photographs of the effluent are attached as Annexure- VII . The storm water drain is in a closed loop.
XIV	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.	Bore wells are not allowed as the plot is in MIDC.
XV	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.	The ambient noise levels were monitored at 3 locations mainly Near main Gate, Near ETP plant & Near Compressor and the same ranged between 62.9 dB (A) (Near main Gate) to 69.4 dB (A) (Near Compressor) during the day time and between 60.2 dB (A) (Near main Gate) to 65.2 dB (A) (Near

		<p>Compressor) during the day time were found to be within the stipulated limit for the industrial area (75 dB(A)) as promulgated by CPCB. personal protective equipment like earplugs etc. has been already provided to people working in the high noise area.</p> <p>The noise monitoring reports are enclosed as Annexure-IV</p>
XVI	<p>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.</p>	<p>The ambient noise levels were monitored at 3 locations mainly Near main Gate, Near ETP plant & Near Compressor and the same ranged between 62.9 dB (A) (Near main Gate) to 69.4 dB (A) (Near Compressor) during the day time and between 60.2 dB (A) (Near main Gate) to 65.2 dB (A) (Near Compressor) during the day time were found to be within the stipulated limit for the industrial area (75 dB(A)) as promulgated by CPCB.</p> <p>The noise monitoring reports are enclosed as Annexure-IV.</p>
XVII	<p>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.</p>	<p>Green belt is well developed and maintained on 800. sq.m area Remaining 1510 area will be developed. Photographs for the same has been attached as Annexure-VIII</p>
XVIII	<p>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</p>	<p>Separate SOP is available of Accident/ Incident control.</p> <p>Onsite emergency plan is available.</p> <p>All safety installation at place available.</p> <p>Equipment testing done as per factory act.</p> <p>Safety Training given to all concerns.</p> <p>Adequate firefighting system provided.</p> <p>Conduct safety audits as per requirement.</p> <p>Following Factory act rules & regulations.</p> <p>Also adequate provisions have been</p>

		undertaken to limit the risk zone within the plant boundary for countering fire hazards during the manufacturing process in material handling such as fire hydrant, fire hose, foam mobile unit, eye washer & shower, smoke detector, sprinkler system etc. A total of 25 nos. of fire extinguishers have been kept in the factory to counter the fire hazard among other measures. The details are enclosed as Annexure - IX
XIX	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Various measures have been undertaken for the health and safety of the people working in the unit and also for protecting the environment such as establishment of the occupational health center, provision of the first aid box at various locations, check up room, provision of the Eye washer and safety shower provided at various locations The the health check register (Form -7) is enclosed as Annexure X.
XX	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Adequate provisions have been undertaken to limit the risk zone within the plant boundary for countering fire hazards during the manufacturing process in material handling such as fire hydrant, fire hose, foam mobile unit, eye washer & shower, smoke detector, sprinkler system etc. A total of 25 nos. of fire extinguishers have been kept in the factory to counter the fire hazard among other measures. The details are enclosed as Annexure - IX.
XXI	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.	Annual returns in Form- 4 as required is regularly submitted to MPCB. Consent to Establish obtained which includes HW management conditions. The Form 4 is attached as Annexure - XI & CTE are enclosed as Annexure - XII.
XXII	The company shall undertake following Waste Minimization Measures:	Complied. Waste Minimization Measures are taken in the existing

	<ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste • Reuse of by-Products from the process as raw materials or as raw material substitutes in other process • Maximizing Recoveries • Use of automated material transfer systems to minimize spillage. 	unit and all waste minimization measures including <ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste • Reuse of by-Products from the process as raw materials or as raw material substitutes in other process • Maximizing Recoveries • Use of automated material transfer systems to minimize spillage.
XXIII	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.	The mock drills are conducted quarterly Regular mock drills are being conducted for the onsite emergency management plan. A sample mock drill report has been enclosed as Annexure - XIII
XXIV	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	A separate environmental management cell has been established and the organogram for the same is enclosed as Annexure- XIV
XXV	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash	Yes, we are sending the ash in a closed truck. Invoice of the same is attached as Annexure- XV
XXVI	Separate silos will be provided for collecting & storing bottom ash & fly ash	Coal ash is stored in the bags supported by ash Dike.
XXVII	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	Total environmental budget is 185.33 cr. item wise & year wise break up is given in Annexure - II
XXVIII	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	The advertisement related to the accordance of the environmental clearance was not published in local Newspaper. We are highly regretted for the same.
XXIX	Project management should submit half yearly compliance reports in respect of the	This is the six monthly post EC compliance report which is being

	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.	submitted for the period from October 2020 – March 2021.
XXX	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.	Not applicable as any suggestions / representations from the concerned Municipal Corporation and the local NGO was not received. The clearance letter has been already uploaded on the website of the Company by the proponent. The photographs of the same is attached as Annexure-XVI
XXXI	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.	This is the six monthly post EC compliance report which is being submitted for the period from October 2020 – March 2021. We will shortly upload the status of 2 nd compliance of the stipulated EC conditions, including results of monitored data on website and shall update the same periodically. The 1 st six monthly compliance is already submitted to Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. status of compliance of the stipulated EC conditions, along with monitored data is uploaded on website & snapshot of is attached as Annexure- XXI The criteria pollutant levels are being displayed at convenient location and the photographs of the same are enclosed as Annexure-XVII
XXXII	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.	This is the six monthly post EC compliance report which is being submitted for the period from October 2020 – March 2021 which is being submitted.
XXXIII	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	The Form-V for the financial year ending 31st March 2021 which was submitted online on 20-01-2021 is enclosed as Annexure-XVIII

	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.	Noted for information
5	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.	Noted and agreed
6	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.	Noted and agreed
7	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	Noted and agreed
8	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	Noted and agreed

	amendments, the public Liability Insurance Act, 1991 and its amendments.	
9	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted and agreed

List of Annexures

Annexure No.	Title of Annexure
1	Breakup of the project area
2	Break up of environmental management cost
3	Photographs of project site
4	Environment monitoring results
5	SOP for housekeeping programs
6	Rainwater pipeline Photographs
7	photographs of the effluent line
8.	Photographs of the Green belt
9.	Photographs of the safety measures to counter the fire hazard
10.	Form -7 The health checkup record
11.	Form- 4 Hazardous waste manifest
12.	Consent to Establish
13.	A sample mock drill report
14.	A separate environmental management cell
15	Invoice for transportation of Ash
16.	Environmental clearance letter on company's website
17	Photographs of criteria pollutant levels displayed at convenient location
18	Form-V Environmental statement
19	Consent to operate
20	OCEMS policy
21	Snapshot of uploaded 1st EC compliance report along with monitoring data

Annexure – 1

Breakup of the project area

Breakup of the Project Area

Sr. No.	Particulars	Area in Sq.m.
1	Plant building	900
2	Tank farm area	289
3	RM & FM storage	573
4	Meter room	9
5	HT Yard	42
6	Watchmen cabin	6
7	ETP	630
8	Green belt area	2310
9	parking	700
10	Road & open area	1830
	Total	7000

Annexure –2

Breakup of the environmental management cost

Year wise and item-wise allocation for the Environmental Management Plans

Sr. No.	Component	Year wise allocation in Rs. lakhs for the capital cost of Environmental Management Plan (EMP) In Lacs.				
		2016	2017	2018	2019	2020
1.	Air pollution control (Provision of stack, Air pollution control devices)	-	-	11.5	2.53	-
2.	Water pollution control (ETP, MEE, TP)	-	-	44	123	3
3.	Noise pollution Control (Acoustic enclosure / Anti vibration pads)	-	-	-	-	-
4.	Occupational Health (Medical checkup, Health insurance policy, Medical staff charges, First aid facilities consumables, In-house first aid room, Other infrastructure and Equipment)	-	-	-	-	-
5.	Environmental Monitoring Budget (Regular monitoring of Ambient Environmental Conditions & Pollution Control Equipments)	-	-	-	-	-
6	Hazardous waste storage and disposal (Segregation & Storage of Waste, Disposal to CHWTSDF site)	-	-	-	-	-
7	Green Belt development (Potholes digging, Saplings, labor cost, Fertilizers, Drip irrigation facility & maintenance)	-	-	0.5	0.5	0.5
Total		-	-	56	126.03	3.5
Grand total		185.53				

Sr. No.	Component	Year wise allocation in Rs. lakhs for the Recurring cost of Environmental Management Plan (EMP) In Lacs.				
		2016	2017	2018	2019	2020
1.	Air pollution control (Provision of stack, Air pollution control devices)	-	-	-	-	2
2.	Water pollution control (ETP, MEE, TP)	-	-	15 L	15 L	2
3.	Noise pollution Control (Acoustic enclosure / Anti vibration pads)	-	-	-	-	0.1
4.	Occupational Health (Medical checkup, Health insurance policy, Medical staff charges, First aid facilities consumables, In-house first aid room, Other infrastructure and Equipment)	-	-	0.3	0.6	2.15
5.	Environmental Monitoring Budget (Regular monitoring of Ambient Environmental Conditions & Pollution Control Equipments)	-	-	-	-	2
6	Hazardous waste storage and disposal (Segregation & Storage of Waste, Disposal to CHWTSDF site)	-	-	-	8	15
7	Green Belt development (Potholes digging, Saplings, labor cost, Fertilizers, Drip irrigation facility & maintenance)	-	0.5	0.5	0.5	0.5
Total			0.5	15.8	26.1	23.75
Grand total		66.15				

Annexure – 3

Photographs of the project site

Photographs of the project site





Annexure – 4

Environment monitoring results

QF/LA/10-A

Report Ref. No. : GFL/AA/R/21/06-09

Report Date: 16.06.2021

ANALYSIS REPORT FOR AMBIENT AIR MONITORING

Name of the Industry :	M/S Ashu Organics Pvt Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Ambient
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	16.06.2021

Sample Code No.	GFL/AA/21/06-09	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	10.06.2021			
PM 10	66.36	100	µg/m ³	IS 5182(part -23):2006,
PM 2.5	35.09	60	µg/m ³	NAAQS Volume-I
SO ₂ conc.	<8.5	80	µg/m ³	IS 5182(part -2):2001
NO _x conc.	22.70	80	µg/m ³	IS 5182(part-06):2006
Ammonia	33.67	400	µg/m ³	APHA Method 401 Indophenol Blue Method
Carbon Monoxide	ND	04	mg/m ³	IS 5182(part-10):1999 Reaffirmed-2014
Benzene	<0.1	05	µg/m ³	IS 5182 (part 11):2006 Reaffirmed - 2017& CPCB NAAQS volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 16.09.2020 Due on : 15.09.2021		Sampling carried out using ADS GOLDFINCH/INST-ADS/68 Calibrated on : 17.09.2020 Due on : 16.09.2021		

For Goldfinch Engineering Systems Private Limited

Analyzed By



Govt. Analyst

Verified By



Lab-In-charge

Approved By



Director-Lab/Govt. Analyst

QF/LA/10-B

Report Ref. No. : GFL/AS/R/21/06-10
16.06.2021

Report Date:

ANALYSIS REPORT FOR STACK EMISSIONS MONITORING

Name of the Industry :	M/S Ashu Organics Pvt Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Stack
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	16.06.2021

Sample Code No.	GFL/AS/21/06-10	Limits	Units	Test Method
Stack Attached To	Boiler Stack			IS 11255 (Part 3) Reaffirmed 2008
Stack Diameter	0.5		meter	
Stack Height	31		meter	
Fuel used & Consumption	Coal 2.5		T/day	
Velocity of flue gases	6.30		m/s	
Temperature of flue Gases	121.5		°C	
Flow/volume of flue Gases	4456.1		m ³ /Hr	
Particulate Matter	81.47	150	mg/Nm ³	IS-11255 (Part 1) Reaffirmed-2003
Sulphur Di Oxide Content	19.5	24	Kg/day	IS-11255 (Part 2) 1985,Reaffirmed-2003

Sampling Carried out using
Stack Monitoring Kit
ID No. GOLDFINCH/INST-STACK/45,46,47
Calibrated on -23.10.2020
Calibrated due -22.10.2021

For Goldfinch Engineering Systems Private Limited

Analyzed By

V. Kulkarni

Govt. Analyst

Verified By

A. Kulkarni

Lab-In-charge

Approved By

B. Kulkarni

Director-Lab/Govt. Analyst

QF/LA/10-B

Report Ref. No. : GFL/AS/R/21/06-11

Report Date: 16.06.2021

ANALYSIS REPORT FOR STACK EMISSIONS MONITORING

Name of the Industry :	M/S Ashu Organics Pvt Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Stack
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	16.06.2021

Sample Code No.	GFL/AS/21/06-11	Limits	Units	Test Method
Stack Attached To	DG Stack			IS 11255 (Part 3) Reaffirmed 2008
Stack Diameter	0.1		meter	
Stack Height	3		meter	
Fuel used & Consumption	HSD -75		Lts/hr	
Velocity of flue gases	8.40		m/s	
Temperature of flue Gases	147		°C	
Flow/volume of flue Gases	949.2		m ³ /Hr	
Particulate Matter	28.14	150	mg/Nm ³	IS-11255 (Part 1) Reaffirmed-2003
Sulphur Di Oxide Content	0.36	10.5	Kg/day	IS-11255 (Part 2) 1985,Reaffirmed-2003

Sampling Carried out using
Stack Monitoring Kit
ID No. GOLDFINCH/INST-STACK/45,46,47
Calibrated on -23.10.2020
Calibrated due -22.10.2021

For Goldfinch Engineering Systems Private Limited

Analyzed By



Govt. Analyst

Verified By



Lab-In-charge

Approved By



Director-Lab/Govt. Analyst

QF/LA/10-B

Report Ref. No. : GFL/AS/R/21/06-12

Report Date: 16.06.2021

ANALYSIS REPORT FOR STACK EMISSIONS MONITORING

Name of the Industry :	M/S Ashu Organics Pvt. Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Stack
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	16.06.2021

Sample Code No.	GFL/AS/21/06-12	Limits	Units	Test Method
Stack Attached To	Process Stack			IS 11255 (Part 3) 2008 Reaffirmed 2018
Stack Diameter	0.0762		meter	
Stack Height	15		meter	
Fuel used & Consumption	--			
Velocity of flue gases	--		m/s	
Temperature of flue Gases	--		°C	
Flow/volume of flue Gases	--		m ³ /Hr	
Ammonia	0.57	50	mg/Nm ³	IS-11255 (Part 6)1999 Reaffirmed in 2014
Sulphur Di Oxide Content	0.36	10.5	Kg/day	IS-11255 (Part 2) 1985,Reaffirmed-2003
HCl	3.53	35	mg/Nm ³	EPA 0051
Nox Conc.	2.22	50	ppm mg/Nm ³	IS-11255 (Part7):2017

Sampling Carried out using
Stack Monitoring Kit
ID No. GOLDFINCH/INST-STACK/50
Calibrated on -23.10.2020
Calibration due on -22.10.2021

For Goldfinch Engineering Systems Private Limited

Analyzed By



Govt. Analyst

Verified By



Lab-In-charge

Approved By



Director-Lab/Govt. Analyst

QF/LA/10-D

Report Ref. No. : GFL/AW/R/21/06-13

Report Date: 18.06.2021

ANALYSIS REPORT FOR WORK PLACE MONITORING

Name of the Industry :	M/S Ashu Organics Pvt. Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Workplace
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	18.06.2021

Sample Code No.	Location	Parameter	Result	Limit	Unit	Test Method
GFL/AW/21/06-13	Second Floor	Ammonia	0.27	35	ppm	Indophenol Blue Method (NAAQS Volume-I)
		SPM	2.96	10	mg/m3	Gravimetric
		HCl	3.05	250	ppm	USEPA TO -15
		Benzene	<1	--	ppm	IS 5182 (part 11):2006 Reaffirmed - 2017& CPCB NAAQS volume I
		Toluene	0.30	--	ppm	
		Butanol	<1	--	ppm	
		Methanol	<1	--	ppm	

Remark:- ND =Not Detected

Sampling Carried out using
Handy Sampler Monitoring Kit
ID No. GOLDFINCH/INSTR-HD Sampler/83
Calibrated on – 08.08.2020
Calibration due – 07.08.2021

For Goldfinch Engineering Systems Private Limited

Analyzed By



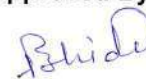
Govt. Analyst

Verified By



Lab-In-charge

Approved By



Director-Lab/Govt. Analyst

QF/LA/10-C

Report Ref. No. : GFL/AN/R/21/06-14 TO 16

Report Date: 18.06.2021

ANALYSIS REPORT FOR AMBIENT NOISE MONITORING

Name of the Industry :	M/S Ashu Organics Pvt. Ltd Plot A-64 MIDC Badalapur.		
Date of Sampling :	10.06.2021	Sample Description :	Noise
Date of Receipt of Sample :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Started :	12.06.2021	Date of Analysis Completed :	18.06.2021

Sample Code	Location	Ambient Noise Level		Test Method
		Day dB(A)Leq	Night dB(A)Leq	
GFL/AW/21/06-14	Near Main Gate	62.9	60.2	IS 9989-1981 Reaffirmed 2014
GFL/AW/21/06-15	Near ETP Plant	66.3	62.0	
GFL/AW/21/06-16	Near Compressor	69.4	65.2	
	M.P.C.B. Limit	75.0	70.0	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter /80
Calibrated On: 06.11.2020
Calibration due: 05.11.2021

For Goldfinch Engineering Systems Private Limited

Analyzed By



Govt. Analyst

Verified By



Lab-In-charge

Approved By



Director-Lab/Govt. Analyst

QF/LA/09

Report Ref. No.: GFL/W/R/21/06-10

Report Date: 16.06.2021

Analysis Report

Name of the Industry :	M/s. Ashu Organics (India) Pvt. Ltd. Plot No.-A-64, MIDC SBI Bank, Badlapur Tal- Ambernath, Dist.-Thane		
Date of Sampling :	10.06.2021	Sample Description :	Effluent Sample
Date of Receipt of Sample :	11.06.2021	Sample Volume :	2 Liters
Date of Analysis Started :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Completed :	16.06.2021	Sample Container :	Polythene Cans

Sr. No.	Parameters	Unit	GFL/W/21/06-10 ETP Inlet	Limit as per MPCB Consent	Test Method Used
1.	pH	--	9.75	--	APHA-4500 H+ B (23rd Edition)
2.	Chemical Oxygen Demand	mg/l	17027	--	APHA 508 A (15 th Edition)
3.	Biological Oxygen Demand (3 days @ 27°C)	mg/l	5126	--	IS 3025 (p- 44):1993(RA-2003)
4.	Total Dissolved Solids	mg/l	19840	--	APHA 2540 C (23rd Edition)
5.	Total Suspended Solids	mg/l	210	--	APHA 2540 D (23rd Edition)
6.	Oil & Grease	mg/l	14	--	IS 3025 part 39

For Goldfinch Engineering Systems Private Limited

Analyzed By

Utkar

Govt Analyst

Verified By

Harsh

Lab-Incharge

Approved By

Bhida

Director-Lab/Govt.Analyst

QF/LA/09

Report Ref. No.: GFL/W/R/21/06-11

Report Date: 16.06.2021

Analysis Report

Name of the Industry :	M/s. Ashu Organics (India) Pvt. Ltd. Plot No.-A-64, MIDC SBI Bank, Badlapur Tal- Ambernath, Dist.-Thane		
Date of Sampling :	10.06.2021	Sample Description :	Effluent Sample
Date of Receipt of Sample :	11.06.2021	Sample Volume :	2 Liters
Date of Analysis Started :	11.06.2021	Sample Collected by :	Laboratory
Date of Analysis Completed :	16.06.2021	Sample Container :	Polythene Cans

Sr. No.	Parameters	Unit	GFL/W/21/06-11 ETP Outlet	Limit as per MPCB Consent	Test Method Used
1.	pH	--	7.39	6.5 to 8.5	APHA-4500 H+ B (23rd Edition)
2.	Chemical Oxygen Demand	mg/l	242	Less than 250	APHA 508 A (15 th Edition)
3.	Biological Oxygen Demand (3 days @ 27°C)	mg/l	72	Less than 100	IS 3025 (p- 44):1993(RA-2003)
4.	Total Dissolved Solids	mg/l	740	Not Specified	APHA 2540 C (23rd Edition)
5.	Total Suspended Solids	mg/l	16	Less than 100	APHA 2540 D (23rd Edition)
6.	Oil & Grease	mg/l	<1	Less than 10	IS 3025 part 39


For Goldfinch Engineering Systems Private Limited

Analyzed By



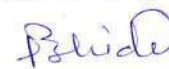
Govt Analyst

Verified By



Lab-Incharge

Approved By



Director-Lab/Govt.Analyst

QF/LA/09

Report Ref. No.: GFL/S/R/21/06-12

Report Date: 18.06.2021

Analysis Report

Name of the Industry	M/s. Ashu Organics (India) Pvt. Ltd. Plot No.-A-64, MIDC SBI Bank, Badlapur Tal- Ambernath, Dist.-Thane		
Date of Sampling	10.06.2021	Sample Description	Soil Sample
Date of Receipt of Sample	11.06.2021	Sample Volume	1000 gms
Date of Analysis Started	11.06.2021	Sample Collected by	Laboratory
Date of Analysis Completed	18.06.2021	Sample Container	Polythene bag

Sr. No.	Parameters	Unit	GFL/S/21/06/12 Near Main Gate	Test Method Used
1.	Bulk Density	Kg/m ³	1127.0	Weight by Volume
2.	Moisture content	%	39.76	IS:2720 (Part 02) : 1973
3.	Organic Matter	%	2.27	IS:2720 (Part 22) : 1972 RA:2015
4.	pH	--	7.12	IS:2720 (Part 26) : 1987 RA:2016
5.	Electrical Conductivity(1 :2 Soil: Water Extract)	uS/cm	342	IS:14767 – 2000 RA:2016
6.	Water Holding Capacity	%	16.58	IS 14765:2000 RA-2016
7.	Sodium as Na (Exchangeable)	mg/kg	160.57	Manual for soil testing, DAC-MOA,GOI
8.	Sodium as Na	mg/kg	43.77	USEPA 3050 B
9.	Potassium as K	mg/kg	16.89	USEPA 3050 B
10.	Calcium as Ca	mg/ kg	230	USEPA 3050 B
11.	Magnesium as mg	mg/ kg	52	USEPA 3050 B
12.	Sodium Absorption Ratio (SAR)	(meq/kg) ^{1/2}	10.26	By Calculation
13.	Boron as B (Available)	mg/ kg	<0.5	Manual for soil testing, DAC-MOA,GOI

For Goldfinch Engineering Systems Private Limited

Analyzed By

Utkarsh

Govt Analyst

Verified By

Manoj

Lab-Incharge

Approved By

Bhude

Director-Lab/Govt.Analyst

QF/LA/09

Report Ref. No.: GFL/S/R/21/06-12

Report Date: 18.06.2021

Analysis Report

Name of the Industry	M/s. Ashu Organics (India) Pvt. Ltd. Plot No.-A-64, MIDC SBI Bank, Badlapur Tal- Ambernath, Dist.-Thane		
Date of Sampling	10.06.2021	Sample Description	Soil Sample
Date of Receipt of Sample	11.06.2021	Sample Volume	1000 gms
Date of Analysis Started	11.06.2021	Sample Collected by	Laboratory
Date of Analysis Completed	18.06.2021	Sample Container	Polythene bag

Sr. No.	Parameters	Unit	GFL/S/21/06/12 Near Main Gate	Test Method Used
15	Cation Exchange Capacity	Meq/100g	43.30	IS 2720(Part-24)1976
16	Total Nitrogen	mg/ kg	203.39	IS:14684-1999
17	Available Phosphorus as P ₂ O ₅	mg/ kg	12	Manual for soil testing,DAC-MOA,GOI
18	Available Potassium as K ₂ O	mg/kg	106.65	Manual for soil testing,DAC-MOA,GOI
19	Total Phosphorous as P	mg/kg	126.43	Manual for soil testing,DAC-MOA,GOI
20	Available Manganese as Mn	mg/kg	14.88	Manual for soil testing,DAC-MOA,GOI
21	Available Iron as Fe	mg/kg	30.4	Manual for soil testing,DAC-MOA,GOI
22	Available copper as Cu	mg/kg	0.946	Manual for soil testing,DAC-MOA,GOI
23	Available Zinc as Zn	mg/kg	2.279	Manual for soil testing,DAC-MOA,GOI

For Goldfinch Engineering Systems Private Limited

Analyzed By



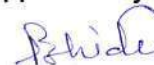
Govt Analyst

Verified By



Lab-Incharge

Approved By



Director-Lab/Govt.Analyst

Annexure – 5

SOP for housekeeping programs



Production Department

Document

Rev.No.

00

Date April 2021

HOUSEKEEPING RECORDS

SECTION/PLANT	MONTH																																
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DATE: -																																	
DESCRIPTION																																	
CLEANING OF FLOOR AREA (BASEMENT, GROUND FLOOR, 1 st & 2 nd floor)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF DOORS & WINDOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EMPTYING OF DUSTBINS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF TABLES & CHAIRS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF ROAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF PLANT OUTLET DRUM NET	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF TANK FARM AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF RECATOR AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF SCRUBBER AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF HYDROGENTAION AREA.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Signature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Signature: *[Handwritten Signature]*
[Handwritten Name]
 30/04/2021

Verified By HOD (Name): *[Handwritten Name]*
[Handwritten Signature]
 01-05-2021



ASHU ORGANICS

Production Department

Document

Rev.No.

00

Date

April 2021

SECTION / PLANT	MONTH																															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DATE: -																																
DESCRIPTION																																
CLEANING OF ANFD TOP SIDE AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF FRONT SIDE AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
FACTORY SURROUNDING AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CLEANING OF BOILE AREA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Signature																																

Verified By HOD (Name):

[Handwritten Signature]

Signature:

[Handwritten Signature]
30/04/2021

Annexure –6
Rainwater pipeline
Photographs

Rain water harvesting Tank



Rain water harvesting pipeline from Terrace



Rain water harvesting pipeline from Terrace



Annexure – 7

photographs of the effluent line

ETP & MEE Plant



ETP line



Annexure – 8

Photographs of the Green belt

Green belt photographs



Annexure –9

Photographs of the safety measures to counter the fire hazard

FIRE FIGHTING EQUIPMENT AVAILABLE IN THE PLANT

Company has maintained record of Fire System following are the details: -

Plant (Building 1)		
	System	Quantity
fire hydrant monitor	Water	4
	Foam	1
fire hydrant box	Premises	14
	Plant building	8
sprinkler system	Pendant	87
	Upright	383
smoke detector	Make- Apollo	103
fire extinguisher (plant building)		25
Manual Call Point		5
Hooter		5
Hose reel		8

Warehouse (Building)	
	Quantity
Hose reel	4
fire hydrant box	4
sprinkler system (upright)	168
smoke detector	44
Fire extinguisher (warehouse)	22
Manual call point	3
Hooter	3

Fire hydrant Box



Fire hydrant Line



Fire Bucket



Fire hydrant tank & pumps



Hose reel



Fire extinguisher



Shower & Eye washer



Annexure – 10

Form -7

The health checkup record

Health Register

In respect of Persons employed in occupation declared to be dangerous operations under Sec.87)

Name of Certifying Surgeon:

DR. MILIND GOKHALE

M.S. (ORTHO) A.F.I.H.

Certifying Surgeon (Thane District)

Mobile: +91 9422053492

Email: milgok@gmail.com

(A) Mr. To
(B) Mr. To
(C) Mr. To

S.N	Name	Sex	Age	Date of Employment	Nature of Job	Date of Leaving	Date of Medical Examination	If Suspended	Certified fit	If Certificate of Fitness	Signature of Certifying Surgeon
1	VIJAY THAKUR	M	58				31-01-2021		FIT		
2	DEEPCHAND MALLAH	M	45				31-01-2021		FIT		
3	DIGAMBAR KOLHE	M	45				31-01-2021		FIT		
4	MAHESH KAMBRI	M	36				31-01-2021		FIT		
5	VIKAS JADHAV	M	44				31-01-2021		FIT		
6	MAHESH THAKARE	M	23				31-01-2021		FIT		
7	TUSHAR DHADAM	M	32				31-01-2021		FIT		
8	ANIKET AMBIRE	M	29				31-01-2021		FIT		
9	VAKIL KHAN	M	35				31-01-2021		FIT		
10	MAHENDRA NAHARJAN	M	48				31-01-2021		FIT		
11	VIVEK RAKSHE	M	55				31-01-2021		FIT		
12	AKSHAY SURYAVANSHI	M	25				31-01-2021		FIT		
13	MAHESH SINGH	M	50				31-01-2021		FIT		
14	RAMESH DESHMUKH	M	26				31-01-2021		FIT		
15	GANESH DESHMUKH	M	29				31-01-2021		FIT		
16	SAMADHAN PATIL	M	36				31-01-2021		FIT		
17	SHIVAM SINGH	M	23				31-01-2021		FIT		
18	GANESH MUTKULE	M	28				31-01-2021		FIT		
19	ANIKET BAYET	M	26				31-01-2021		FIT		
20	MAHESH PADWAL	M	22				31-01-2021		FIT		
21	KUNAL A HATALE	M	28				31-01-2021		FIT		
22	SANJAY B CHAVAN	M	29				31-01-2021		FIT		
23	MANDAR THASALE	M	30				31-01-2021		FIT		
24	MORESHWAR TATE	M	26				31-01-2021		FIT		
25	MAHESHWAR PATKAR	M	29				31-01-2021		FIT		
26	KETAN MALI	M	26				31-01-2021		FIT		
27	RAVINDRA MORE	M	44				31-01-2021		FIT		
28	VIKAS GHADGE	M	51				31-01-2021		FIT		
29	RAOSAHEB PADOL	M	27				31-01-2021		FIT		
30	SACHIN KALE	M	33				31-01-2021		FIT		

Name	Sex	Age	Date of Employ	Nature of Job	Date of Leave	Date of Medical	If Suspended	Certified fit	If Certificate of	Signature of Certifying Surgeon
31 VIRAG PHATAK	M	51				31-01-2021		FIT		
32 ANURADHA DOKE	F	42				31-01-2021		FIT		
33 KALPESH SAKHARE	M	31				31-01-2021		FIT		
34 APEKSHA DESHMUKH	F	28				31-01-2021		FIT		
35 SHAMSINGH PATIL	M	28				31-01-2021		FIT		
36 RUPESH KARALE	M	25				31-01-2021		FIT		
37 MAYUR DINKAR	M	22				31-01-2021		FIT		
38 KIRAN PATIL	M	42				31-01-2021		FIT		
39 SUMEDH BANSODE	M	29				31-01-2021		FIT		
40 KALPESH HARAD	M	25				31-01-2021		FIT		
41 MAHESH PANDAV	M	29				31-01-2021		FIT		
42 ROHIT MORE	M	28				31-01-2021		FIT		
43 VIJAYSINGH PATIL	M	24				31-01-2021		FIT		
44 SANDEEP JADHAV	M	27				31-01-2021		FIT		
45 YUVRAJ JADHAV	M	32				31-01-2021		FIT		
46 TUKARAM KEVANE	M	45				31-01-2021		FIT		
47 RAKASH S PATIL	M	24				31-01-2021		FIT		
48 JAGDISH PATIL	M	30				31-01-2021		FIT		
49 CHIRANJEEV MUSALE	M	27				31-01-2021		FIT		
50 SWAPNIL PATIL	M	23				31-01-2021		FIT		
51 PRASHANT PATIL	M	37				31-01-2021		FIT		

DR. MILIND CORMALLE

DR. MILIND CORMALLE
 Certifying Surgeon, Maharashtra
 Mobile No. 94220 94220
 E-mail: milindcormalle@gmail.com

Annexure – 11

Form- 4

Hazardous waste manifest



Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:

MPCB-HW_ANNUAL_RETURN-0000022137

Submitted On:

29-06-2021

Submitted for Year:

April 2020 to March 2021

1. Name of the generator/operator of facility

ASHU ORGANICS (I)PVT LTD

Address of the unit/facility

PLOT NO.A-64, NEAR SBI ,MIDC, BADLAPUR TAL AMBERNATH
421503

1b. Authorization Number

FORMAT 1.0/AS(T)/UAN NO.0000069748/O/1909000057 Sep 3, 2019

Date of issue

Date of validity of consent

Aug 31, 2024

2. Name of the authorised person

ASHUTOSH DEWAL

Full address of authorised person

PLOT NO.A-64, NEAR SBI ,MIDC, BADLAPUR TAL AMBERNATH
421503

Telephone

7507592475

Fax

Email

aoplfactory3@ashuorganics.com

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	Condensation	480.0000	135.945	MT/A
Chemical ,Petrochemical &Electrochemical	Uridation and Nitration	480.0000	115.662	MT/A
Chemical ,Petrochemical &Electrochemical	Hydrogenation	1200.0000	12.00	MT/A
Chemical ,Petrochemical &Electrochemical	Crystalization and purification	1200.0000	141.884	MT/A
Chemical ,Petrochemical &Electrochemical	Condensation	480.0000	135.945	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
20.3 Distillation residues	Distillation residue	30.000	23.390	MTA
28.3 Spent carbon	Spent Carbon	7.200	4.080	MTA
37.3 Concentration or evaporation residues	Residue and waste mix salt from evaporator	360.000	5.450	MTA
35.3 Chemical sludge from waste water treatment	ETP sludge	24.000	2.820	MTA

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
20.3 Distillation residues	23.390	MTA	Disposal Facility	MWML
28.3 Spent carbon	4.080	MTA	Disposal Facility	MWML
37.3 Concentration or evaporation residues	5.450	MTA	Disposal Facility	MWML
35.3 Chemical sludge from waste water treatment	2.820	MTA	Disposal Facility	MWML

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Maharashtra
2. Quantity in stock at the beginning of the year	UOM	
NA	KL/Anum	
3. Quantity treated	UOM	
NA	KL/Anum	
4. Quantity disposed in landfills as such and after treatment		
Direct landfilling	UOM	
NA	KL/Anum	
Landfill after treatment	UOM	
NA	KL/Anum	
5. Quantity incinerated (if applicable)	UOM	
NA	KL/Anum	
6. Quantiry processed other than specified above	UOM	
NA	KL/Anum	
7. Quantity in storage at the end of the year.	UOM	
NA	KL/Anum	

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	quantity	UOM

NA

NA

KL/Anum

8. Quantity in storage at the end of the year

Waste name/category

quantity

UOM

NA

NA

KL/Anum

Personal Details

Place

Date

Designation

BADLAPUR

2021-06-29

SR.ADMIN EXECUTIVE

Annexure –12

Consent to Establish

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701		Kalpataru Point, 2 nd - 4 th Floor
Fax: 24024068 / 24023515		Opp. Cine Planet Cinema,
Website: http://mpcb.gov.in		Near Sion Circle, Sion (E)
E-mail: pci2@mpcb.gov.in		Mumbai-400 022.

Red/S.S.I

Date: 27/05/2013

Consent No: BO/AST/RO Kalyan/EIC NO KN- 13/E/CC- 03578

Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s. Ashu Organics (India) Pvt. Ltd.
Plot No. A-64, MIDC Badlapur,
Dist. Thane

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Establish is granted for a period up to: Commissioning of the Unit or Five Years whichever is earlier.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	OPLA Amine	12	MT/M
2	Py 181 Amine	8.30	MT/M
3	AMBI	8.30	MT/M
4	5 Amino DME	8.30	MT/M
5	Caba Ester	16	MT/M
6	5 Amino Isophthalic Acid	16	MT/M
7	PABA	8.30	MT/M
8	PAB	16	MT/M
9	Nile 48 pure	8.30	MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 70.00 m³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 7.00 m³.

(iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1) pH	Between	6.0 to 8.5
2) Suspended Solids	Not to exceed	100 mg/l.
3) BOD 3 days 27 deg.°C	Not to exceed	100 mg/l

RO Kalyan/1/R/S/88160000



4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	Chloride (as Cl)	Not to exceed	1000 mg/l.
7)	Sulphate (as SO ₄)	Not to exceed	1000 mg/l.
8)	Phenolic Compounds (as C ₆ H ₅ OH)	Not to exceed	1.0 mg/l.
9)	Bio-assay Test (with 1:8 dilution of effluents)	90% survival of Test animals after 96 hours.	

(iv) **Trade Effluent Disposal:** The treated trade effluent shall be recycled to the maximum extent & remaining connected to CETP system provided by MIDC Badlapur. There shall not be any discharge outside the factory premises.

(iv) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100 mg/l.
(2)	BOD 3 days 27o C.	Not to exceed	100 mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

--- N A ---

(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under.

The daily water consumption for the following categories is as under:

(i)	Domestic purpose	8.00 CMD	← B
(ii)	Water gets Polluted & Pollutants are Biodegradable	50.00 CMD	←
(iii)	Water gets Polluted; Pollutants are not Biodegradable & Toxic	0.00 CMD	
(iv)	Industrial Cooling, spraying in mine pits or boiler feed	60.00 CMD	←

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. CONDITIONS UNDER AIR ACT:

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

1. Industry shall provide dust collector of sufficient capacity to control the emissions.
2. Industry shall provide scrubbers of sufficient capacity to control process emissions.

Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed

RO Kalyan/LR/S/88150000

2



for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side; A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- g. D.G. Set shall be operated only in case of power failure.
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

Standards for Emissions of Air Pollutants:

1	SPM	Not to exceed	150.0 mg/Nm ³
2	SO ₂	Not to exceed	311 Kg/Day

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Wood/Briquette	3	MT(M)
2			

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler	15
2	Factory	7

- (iii) The applicant shall provide ports in the chimney(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- (iv) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality Regularly.

6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

RO Kalyan/IR/S/88160000



- (i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	35.1 Filters and filter material which have organic liquid	150	MTA	CHWTSDF
2	34.3 Chemical sludge from waste water treatment	180	MTA	CHWTSDF

- (ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.

7. Whenever due to any accident or release of gases or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organizations as require under the law.

8. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste - The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.

RO Kalyan/1/R/S/88160000



4

- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down-stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection System.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
9. The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
12. Industry shall obtain Environmental Clearance as per EIA Notification, 2006. Industry shall not take any effective steps towards implementation/construction of project before obtaining EC.
13. Industry shall obtain Consent to Operate before starting actual production.
14. This consent is issued as per the delegation of powers to HOD's vide Board Office Order dtd. 01/03/2013.
15. The Capital investment of the industry is Rs. 8.16 Crore.



(P. K. Mirashe)
(P. K. Mirashe)
Assistant Secretary Technical

To,
M/s. Ashu Organics (India) Pvt. Ltd.
Plot No. A-64, MIDC Badlapur,
Dist. Thane

Copy to:

- 1] Regional Officer, MPCB Kalyan,
- 2] Sub Regional Officer, MPCB, Kalyan-II: They are directed to ensure the compliance of consent conditions.
- 3] Chief Accounts Officer, MPCB, Mumbai
- 4] Cess Branch, MPCB.
- 5] Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	15000	513915	17 Jan 2013	Citi Bank
2	10000	617827	06 Feb 2013	Citi Bank

RO Kalyan/IR/S/88160000

Annexure – 13

A sample mock drill report

Emergency Mock Drill Report

Date: January 14, 2021

Time: 12:11 Hrs

Scenario: two persons were performing the Methanol charging at reactor R-113, the charging process was carried out by PVC hose pipe, during charging due to static charge accumulation fire took place. As soon as fire took place worker informed this to supervisor & evacuation started.

Material involved & its Property: 1) Methanol: Highly flammable in nature & high chance of generation of static charge. **Flash Point 9.7 °c, Boiling point 65 °c, LEL- 6%, UEL- 40% (GREATER THE FRAME OF LEL &UEL MORE CHANCE OF FIRE & EXPLOSION) .**

Location: 2 floor, R-113

Purpose: To check emergency preparedness of the site with respect to unannounced emergency mock drill.

Observer: Mr. Hemanth Bhandary (at plant), Mr. Moreshwar Tate (at security gate).

Sequence of events:

Time	Event
12:10	Contractor worker started the methanol charging activity at reactor R-113.
12:11	He suddenly observed the fire while unloading
12:11	Alarm raised (verbal) & informed to shift supervisor
12:11	Announcement of fire done with the help of PA system
12:12	Tried to inform the security through landline but supervisor don't know the correct contact no.
12:12	Manual call point pull & evacuation started
12:13	Shift supervisor personally reached to security gate & informed to incident
12:13	Evacuation stated Incident controller reached at security gate (Production Manager)
12:16	Most of the people reached at security gate
12:17	Fire Team arrived at the incident site
12:18	Stated fire fighting
12:20	All Clear was declared

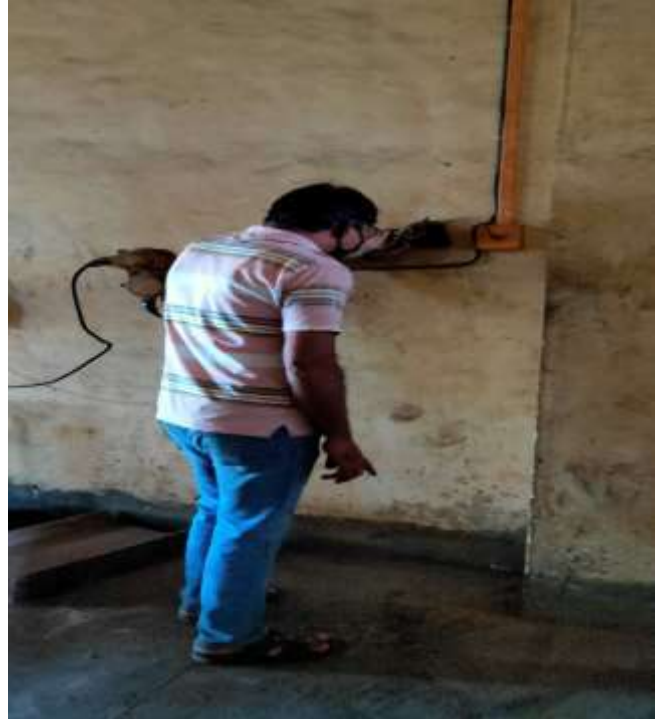
Observation & Recommendations:

Sr. No.	Observations	Recommendations	TCD
1.	Production persons/ engineering team & safety persons don't know security contact no.	Separate provision of emergency phone shall be done. & its contact no shall be displayed at most location & awareness shall be done.	
2.	QC, admin & engineering person at terrace don't respond to emergence siren immediately.	Low audible sound at their location. Need to check & additional hooter shall be installed.	
3.	Security don't have accurate head count	Department head shall have head count of their department & submit to security till 10 & security shall Tally the same.	
4.	No breathing system is available for rescue operation	SCBA shall be procured of rescue operation	
5.	Assembly don't have marking & row according to department	During mock drill it was identifies that the strength of plant is 80+ in general shift, so dedicated marking shall be done.	
6.	No provision of emergency siren at	Siren shall be procured & install as there is no	

Emergency Mock Drill Report

	plant	mode of communication for informing near by company.	
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Photographs:



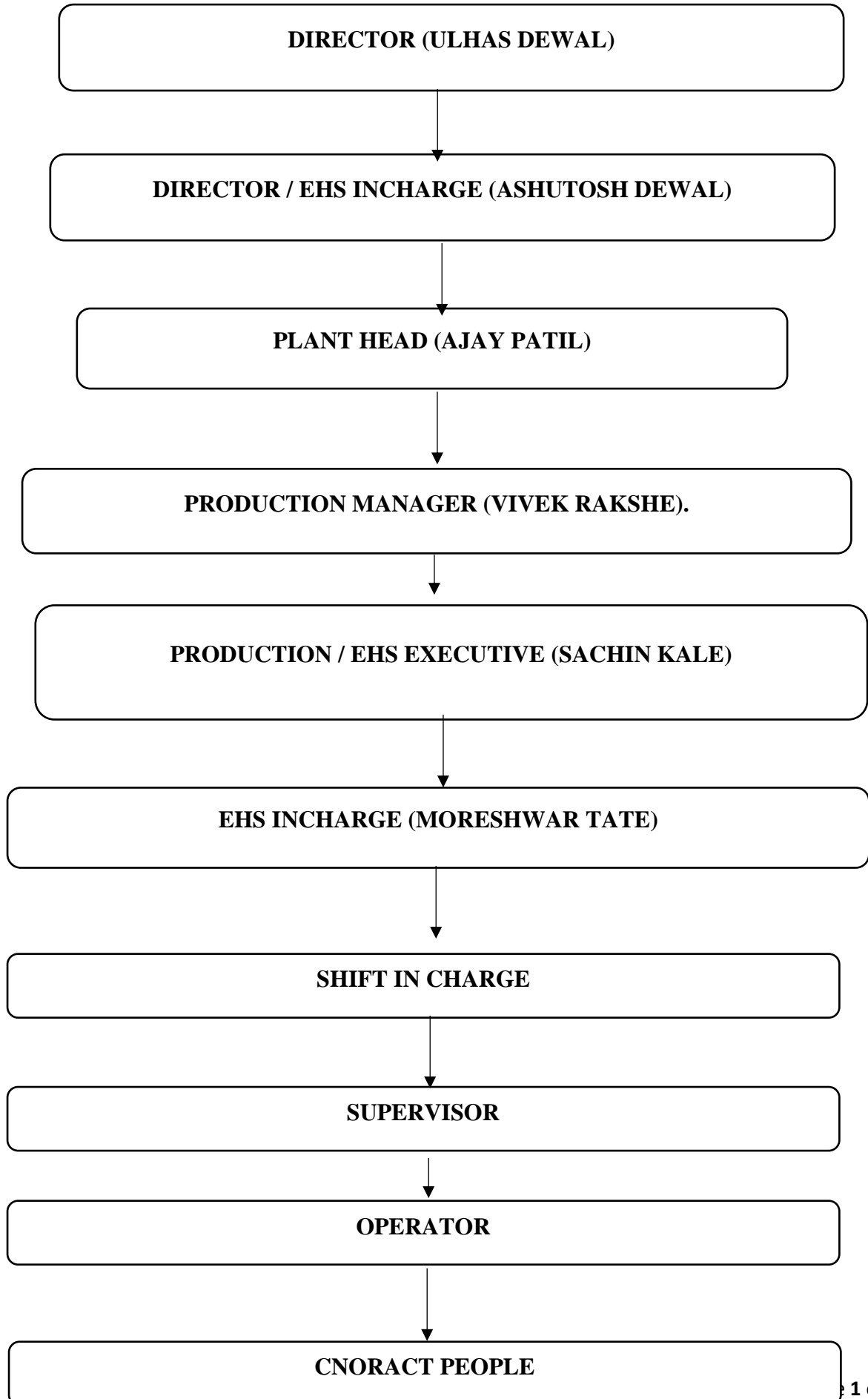
Emergency Mock Drill Report



Annexure – 14

**A separate environmental
management cell**

ENVIRONMENTAL MANAGEMENT CELL ORGNAOGRAM



Annexure – 15

**Invoice for transportation
of Ash**



TAX INVOICE
(See Rule 54 Sec-31)

Triplicate For Supplier

ASHU ORGANICS (I) PVT. LTD. (UNIT 3)

Plot No. A-64, Next to state Bank of India MIDC, Badlapur, Dist-Thane
Badlapur Maharashtra India

GSTIN :27AABCA4578P1Z3

CIN : U99999MH1991PTC064258

Serial No.Of Invoice 2021AOP13LCL028	Vehicle No. MH05AM7313
Date Of Invoice 23-03-2021	Transport
Challan No.	Payment Terms
Order No.	Broker Name
Date 01-01-1900	Place of Supply Maharashtra

Details Of Receiver(Billed to)		Details Of Consignee(Shipped to)	
Name PRANIL ENTERPRISES	Name PRANIL ENTERPRISES	Name PRANIL ENTERPRISES	Name PRANIL ENTERPRISES
Address KATRAP GAON, KULGAON BADLAPUR DIST - THANE 421503	Address KATRAP GAON, KULGAON BADLAPUR DIST - THANE 421503	Address KATRAP GAON, KULGAON BADLAPUR DIST - THANE 421503	Address KATRAP GAON, KULGAON BADLAPUR DIST - THANE 421503
State Maharashtra	State Maharashtra	State Maharashtra	State Maharashtra
State Code 27	State Code 27	State Code 27	State Code 27
GSTIN/Unique ID UNREGISTERED	GSTIN/Unique ID UNREGISTERED	GSTIN/Unique ID UNREGISTERED	GSTIN/Unique ID UNREGISTERED

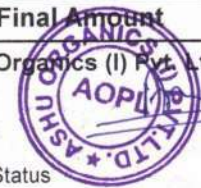
Date of Prepration 23-03-2021	Time 11:39	Date of Removal 23-03-2021	Time 12:00
--------------------------------------	-------------------	-----------------------------------	-------------------

Sr. No.	Description of Goods	HSN	Qty.	Unit	Rate	Total	Disc	Taxable Charges	Taxable Value	CGST %	SGST %	IGST %
										Amt.	Amt.	Amt.
1	BOILER ASH	262190	10000.00	NOS KGS	0.2000	2000.00			0.00	50.00	50.00	0.00

Discount												
Freight												
Insurance												
Packing and Forwarding Charges												
Total						2000.00			0.00	50.00	50.00	0.00

Total SGST Value (In Word) : RS. FIFTY ONLY.	Total Amount 2000.00
Total CGST Value (In Word) : RS. FIFTY ONLY.	
Total IGST Value (In Word) : RS.	Total Taxable Amount
Total Invoice Value (In Word) : RS. TWO THOUSAND ONE HUNDRED ONLY.	Total GST 100.00
Terms : 1) 24% per annum added weekly to accounts unpaid after delivery. 2) No Complaints in respect of Material supplied vide this Invoice will be entertained unless the same is logged in writing with 7 days receipt. 3) Subject to Mumbai Jurisdiction	Final Amount 2100.00

Declaration	For Ashu Organics (I) Pvt. Ltd. (Unit 3)
Signatory	Signature
eway Bill No :	Name of the
eway Bill Date- 01-01-1900 00:00:00	Designation/Status



Annexure – 16

**Environmental clearance letter
on company's website**

EC letter uploaded on Company's website

The screenshot displays a web browser window with the URL www.ashuorganics.com/certifications/. The page features the Ashu Organics logo and a navigation menu with the following items: Company, Products, Service & Technology, Media Centre, Certifications (highlighted), Career, and Contact Us. Below the navigation is a search icon.

Certifications

The main content area is divided into three sections:

- ISO Certificate (UNIT I)**: Shows a 'Certificate of Registration' for Ashu Organics (India) Pvt. Ltd. issued by IAF, covering the scope of 'Manufacture of Specialty Chemicals'.
- ISO Certificate (UNIT II)**: Shows another 'Certificate of Registration' for Ashu Organics (India) Pvt. Ltd. issued by IAF, covering the scope of 'Manufacture of Specialty Chemicals'.
- Environment Clearance Certificate**: Displays a document with a table of details, including project name, location, and dates.

The Windows taskbar at the bottom shows the search bar with the text 'Type here to search', the system tray with the date '11-02-2021' and time '14:33', and the language indicator 'ENG'.

Annexure – 17

**Photographs of criteria
pollutant levels displayed
at convenient location**

Board to displayed criteria pollutant

M/S. ASHU ORGANICS (I) PVT. LTD.

Plot No. A-64, MIDC SBI Bank, Badlapur, Tal. Ambernath, Dist. Thane.
Telephone No. 7208489866

Date of Display : February 2020

MPCB Consent No.: Format 1.0/ AS(T)/UAN No. - 0000069748/O/1909000057
Date : 03.09.2019 Valid Upto : 31.08.2024

Details of operational Status : Operational

Product Details

Sr. No.	Products Manufactured (Including Recycling Utilization)	Details of Hazardous chemicals used with quantity and purpose	Type of HW generated with Category as per HOWM Rules 2016	Quantity of HW generated, stored and disposed	Mode of treatment and disposal (Pre-processing, processing, recycling / Utilising reuse/ SLP/ Incinerator etc)
01	3 Thiotalonitrile (A Shinil)	Nitration - Dilute Nitric acid - SMT For Nitril & condensation Thiouyl chloride :- 20 TPM Hydrogen Gas -	20.2 Spent Solvent	02 MT/Day	Sale to Authorised Reprocessor
02	P-Amino Carbamido Benzamide (PY181 Amine / PABAB		20.3 Distillation Residue	2.5 MT/Month	CHWTSDF
03	5 Amino 6Methyl Benzyl midazolone (AMBI)		28.2/28.3 Spent Catalyst /Spent Carbon	0.60 MT/Month	CHWTSDF / Sale to Authorised Party
04	2,4 Dichlorophe nyl)-1,2,4 triazol-5-ine Int A) 4 AMINO -5- Carbyl-1,2,4- Triazol- 5		33.1. Discarded Container	2500 Nos/Month	Sale to Authorised Reconditioner
05	Hydrogenation(3 Amino 4 carbomethoxy 2' .5 dichlorobenzanil de (OPLA) Amine		35.3 ETP Sludge	02 MT/Month	CHWTSDF
06	Dimethyl Terephalate Amino Dimethyl Terephalate Amino Phenoxy Ester. Methy Digol Ester 6 Amino Quinaldine , Para Amino Benzamide (PAB).		37.3 Residue & Waste mixed Salt from Evaporator	30 MT/Month	CHWTSDF
07	Crystallisation & Purification Nile pure, 5 NIPA, NIPT.				

Air Emission

Sr. No.	Source of Air pollution (Boiler/DG Set / Furnace with Capacity in Ltrs. Kgs. Type of Fuel etc.	Air Pollution control Devices (APCD devices with stack Height)	Type Of Fuels	Parameters monitored w.r.t. Air Pollution (PM.CO.SO.NO. etc)	Parameters monitored w.r.t. Air Pollution (PM.CO.SO.NO. etc)	
					Monitored Data	Limits Standard Prescribed by (SPCB / CPCB)
01	Boiler 2.5 Ton	31.00 Mtrs	Briquette WOOD Furnace Oil Coal	SPM / TPM		150 Mg/Nm3
02	Thermopack	31.00 Mtrs		Nox		50 PPM
03	Process Vent	22.00 Mtrs		HCL		35 Mg/Nm3
04	DG SET 500KVA	5.00 Mtrs	HSD	Ammonia (NH3)		50 Ng/Nm3

OCEMS Connectivity Details : NO

Effluent Discharge

Sr. No.	Source Effluent discharge with quantity (process waste water, domestic effluents etc.)	Treatment method (ETP with capacity or any other method)	Mode of disposal of treatment effluent (Drain / sewer / land etc)	Effluent discharge monitoring (pH, COD, BOD, TSS, etc)		
				Inlet	Outlet	
01	Trade Effluent - 86.3 CMD	EPT - 30 KLD. Primary treatment, neutraliza, clarification, Biometric treatment, airding and discharge. MEE - 30 KLD	To CETP	COD, TDS, pH	pH, COD, TDS	
02	Domestic Effluent - 5.0 CMD		Soak Pit		Sr. No.	Parameters
				1.	pH	6.5 to 8.5
				2.	Suspended Solids	100mg/l
				3.	BOD (3 days@20C)	100mg/l
				4.	COD	250mg/l
				5.	Oil & Grease	10mg/l
				6.	Sulphate	1000mg/l
				7.	Chlorides	600mg/l
				8.	Phenolic Compounds	1 mg/l
				9.	Bio-assay Test	90% Survival of Test animals after 96 hrs

SHOT ON REDMI K20

OCEMS Connectivity Details : Installed flow meter & online pH meter in December 2019. Both Equipments are in working condition & connected to MPCB

Annexure – 18

Form-V

Environmental statement



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000031531

Submitted Date

20-01-2021

Company Information

Company Name

ASHU ORGANICS (INDIA) PVT. LTD.

Application UAN number

69748

Address

PLOT NO. A-64, M.I.D.C., NEAR SBI BANK,
BADLAPUR

Plot no

A-64

Taluka

AMBARNATH

Village

BADLAPUR

Capital Investment (In lakhs)

1431.71

Scale

LSI

City

BADLAPUR

Pincode

00000

Person Name

Ulhas Dewal

Designation

DIRECTOR

Telephone Number

9223379863

Fax Number

Email

ulhas.dewal@ashuorganics.com

Region

SRO-Kalyan II

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

no

Consent Number

FORMAT 1.0/AS(T)/UAN
NO.000069748/O/1909000057

Consent Issue Date

03/09/2019

Consent Valid Upto

31/08/2024

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
PARA AMINO BENZAMIDE	1200	13.237	MT/A
NILE P	1200	25.780	MT/A
NME	1200	10.334	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
--NA--	0	0	

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	65	7.1
Domestic	32	3.5
All others	5	0.5
	12	1.3

Total 114 12.4

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
DOMESTIC	5	0.54	CMD
TRADE EFFLUENT	86	4.7	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
NILE P, PAB, NME	0	0.02	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
NILE CR	0	1.06	Kg/Annum
PAB CR	0	1.1	Kg/Annum
P-1	0	1.09	Kg/Annum

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
BRIQUETTE	1752000	251843	Kg/Annum

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
pH	--	6.95	--	5.5-9.0	--
COD	1.18	167.5	67	250	--
BOD	0.37	53.75	53.75	100	--
SS	0.21	30.2	30.2	100	--
OIL & GREASE	BDL	BDL	BDL	10	--

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
SPM TPM	--	76	50.67	150	--
HCL	--	TRACESS	TRECESS	35	--

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-----------------------------	---	--	------------

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	Kg/Annum

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	Kg/Annum

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Day

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	0	Kg/Annum	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	Kg/Day	NA

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
E.T.P. Operation cost ,Cost of Consumables ,Cost of Analysis of ,Effluent Sample ,Electrical Energy, Environment audit Statement ,Water Supply ,Water Cess Returns, House Keeping	0	0	0	0	90	0

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
At present, the existing environmental protection system are considered to be adequate. For treatment of waste water company has provided the Effluent Treatment Plant	Oil Separator Tank, Screen Chambers Equalization Tank., Aeration Tank., Sand Filters ,Charcoal Filters ,Filter Nutch, Neutralization Tank, Settling Tank ,Sludge Drying Beds, Storage Tank, Flash Mixer	90

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
---	-----------------------------------	----------------------------

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

Company has planted few number of trees around the factory, within company's own land premises. The hazardous waste generated is being sent to CHWTSD Facility for disposal. Noise level survey, cess returns & house keeping are done regularly. The Soak Pit & Septic Tank is provided for the treatment of Domestic effluent. Environment and safety aspects is of prime importance and is incorporated at the Design and energy spectrs of operations. Green drive is the major contribution to create the envir

Name & Designation

MR ASHU DEWAL

Annexure – 18

Consent to Operate

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Red/SSI

Consent No: Format 1.0/AS(T)/UAN No.-0000069748/O/1309000057 Date- 03/09/2019

To,
M/s. Ashu Organics (India) Pvt. Ltd.
Plot No.-A-64, MIDC SBI Bank, Badlapur
Tal- Ambernath, Dist.-Thane

Sub: Grant of 1st Consent to Operate under RED category.

- Ref.: 1. Consent to Establish is granted vide No. BO/AST/RO Kalyan/EIC No. KN-13/E/CC- 3578 dated 07/5/2013
2. Environmental Clearance granted vide No. SEAC-2013/CR-103/TC-2 dated 27/6/2016

Your application UAN No. 0000069748

Dated: 23/3/2019

For: Grant of renewal of Consent to operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to operate is granted for a period from 31/8/2024
2. The capital total investment of the industry is Rs. 14.31 Crs (As per CA Certificate submitted by industry).
3. The Consent is valid for the manufacture of –

Sr. No.	Product Name	Maximum Quantity	UOM
1	Nitrile Synthesis : (3 Thiothalonitrile (A SHNIL) and compounds involving similar chemistry Manufacturing of Nitriles by Amidation of Aromatic compounds and dehydration of primary and secondary amides and compounds involving similar chemistry	30.0	MT/M
2	Condensation reactions (using Thionyl Chloride/PCL3) : (P-Amino CarbamidoBenza mide (PY181 Amine/PABAB) and Compounds involving similar chemistry Manufacturing of Aromatic compounds by	40.0	MT/M

	Condensation using Thionyl Chloride/PCl3 and Compounds involving similar chemistry		
3	Uridation & Nitration : 5 Amino 6 Methyl Benzyl midazolone (AMBI) and compounds involving similar chemistry Manufacturing of Heterocyclic Aromatic organic compound and its intermediates by Nitration using Dilute Nitric Acid and compounds involving similar chemistry	40.0	MT/M
4	Hydrazine Synthesis : (2,4 Dichlorophenyl)-1, 2, 4 triazol, 5-one (Int A) and Compounds involving similar chemistry. Manufacture of 1-substituted-4- Amino Carbonyl-1 , 2, 4-Triazol-5- one derivatives and Compounds involving similar chemistry	40.0	MT/M
5	Hydrogenation : (3 Amino 4 carbmethoxy 2',5' dichlorobenzanili de (OPLA) Amine, 5 Amino Isophthalic Acid Dimethyl Teryphthalate, Amino Dimethyl Terephthalate, Amino Phenoxy Ester, Methyl Digol Ester, 8 Amino Quinaldine, Para Amino Benzamide (PAB), 5 Amino isophthalic acid & Compounds involving similar chemistry	100.0	MT/M
	Reduction/Hydrogenation of Aromatic compounds and Compounds involving similar chemistry.		
6	Crystallization and Purification : Nile Pure, 5 Nitro Isophthalic Acid, 5 Nitro Isophthalic Acid Dimethyl Ester Purification and Crystallization of Aromatic compounds and compounds involving similar chemistry	100	MT/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	86	As per Schedule - I	CETP
2.	Domestic effluent	5.0	As per Schedule - I	Soak Pit



5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr. No.	Description of stack/ Source	Number of Stack	Standards to be achieved
1	Boiler	1	As per Schedule –II
2	Thermopack	1	As per Schedule –II
3	Process Vent (02 Nos)	2	As per Schedule –II
4	DG Set (500 KVA)	1	As per Schedule –II

6. **Conditions about Non Hazardous Solid Wastes:**

Sr. no.	Type Of Waste	Quantity	UoM	Treatment	Disposal
1	Coal /Briquette Ash	1600	Kg/Day	--	Sale to Brick Manufacturer

7. **Conditions under Hazardous Waste (M, H & TM) Rules, 2016 for treatment and disposal of hazardous waste:**

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Spent Solvent	20.2	02	MT/Day	Reprocess	Sale to Authorized Reprocessor *
2	Distillation Residue	20.3	2.5	MT/M	Incineration	CHWTSDf
3	Spent Catalyst/ Spent Carbon	28.2/ 28.3	0.6	MT/M	Landfill	CHWTSDf/ Sale to Authorized Party *
4	Discarded Container	33.1	2500	Nos/M	Recycle	Sale to Authorized reconditioner *
5	ETP Sludge	35.3	02	MT/M	Landfill	CHWTSDf
6	Residue & Waste-Mixed salt from Evaporator	37.3	30	MT/M	Landfill	CHWTSDf

* The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The applicant shall not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance wherever it requires.
11. Industry shall comply all the conditions stipulated in the Environmental Clearance granted vide No. SEIAA-EC-0000000222 dated 17/3/2018

12. This consent is issued as per the delegation of powers to HOD's vide Board Office Order No.31/2013 dtd 01.03.2013.



For and on behalf of the
Maharashtra Pollution Control Board

Mirashe
16/5/19
(P.K. Mirashe)

Assistant Secretary (Tech.)

Received Consent fee of –

Sr. No.	Amount(Rs.)	DR No.	Date	Drawn On
1	Rs. 2,50,000/-	5451307	16/5/2019	NEFT-City Bank

Copy to:

1. Regional Officer-MPCB Kalyan, Sub-Regional Officer-MPCB Kalyan-II, M.P.C. Board.
-They are directed to ensure the compliance of the consent conditions.

Maharashtra Pollution Control Board

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have segregate trade effluent into weak stream & high stream and provided Effluent Treatment Plant (ETP) comprising of:
- High TDS/COD**– High COD/TDS stream is directly connected to Multi Effective Evaporator having capacity 30 KL/Day
 - Low COD/TDS effluent** is connected to ETP comprising primary, secondary & tertiary treatment system having capacity 75 CMD.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr. No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for P
01	pH	6.5 to 8.5
02	Suspended Solids	100 mg/l.
03	BOD (3 days 27oC)	100 mg/l.
04	COD	250 mg/l.
05	Oil & Grease	10 mg/l.
06	Sulphates	1000 mg/l.
07	Chlorides	600 mg/l.
08	Phenolic Compounds	1 mg/l.
09	Bio-assay Test (With 1: 8 dilution of effluent)	90% survivals of Test animals after 96 hours

- B] The applicant shall recycle treated effluent to the maximum extent and remaining treated effluent shall be sent to CETP. There shall not be any discharge outside the factory premises.
- C] Industry shall ensure the connectivity and transmission of online monitoring data to Boards server.
- 2) A] As per your application, you have proposed to provide soak pit as a treatment for sewage.
- B] As per your application, you will provide septic tank followed by soak pit wage for the treatment of sewage so as to achieve the quality of treated sewage effluent to the following standards:
- Suspended Solids. Not to exceed 100 mg/l.
 - BOD 3 days 27oC. Not to exceed 100 mg/l.
- C] The treated sewage shall be used on land for gardening/plantation only in the factory premises.

24) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and or extension or addition thereto.

- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters, and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	32.0
2.	Domestic purpose	5.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	65.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others i) Gardening	12.0

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

24)As per your application, you have proposed to provide the Air pollution control (APC) system and to erect following stack(s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height Mtrs.	in Type of Fuel	Quantity & UoM	SO ₂ Kg/Day
1	Boiler	Dust Collector	31.0	Coal	100 Kg/Hr	24.0
				Briquette	200 Kg/Hr	---
2	Thermopack	Stack	31.0	FO	20.83 Kg/Hr	20.0
3	Process Reactor	Alkali Scrubber	23.0	--	---	--
4	Process Reactor	Water Scrubber	23.0	---	---	--
5	D.G. Set (500 KVA)	Acoustic Enclosure	5.0*	Diesel	50 Kg/Hr	---

*above the roof

2) The applicant shall operate and maintain air pollution control system, so as to achieve the level of pollutants to the following standards:

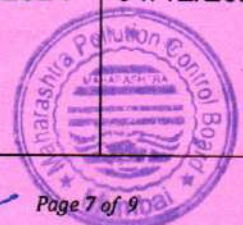
SPM/TPM	Not to exceed	150 mg/Nm ³
NOx	Not to exceed	50 ppm
HCL	Not to exceed	35 mg/Nm ³
NH3	Not to exceed	50 mg/Nm ³

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III

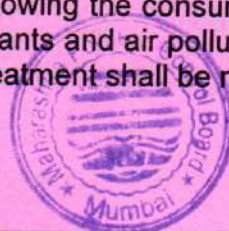
Details of Bank Guarantees

Sr. No	BG Imposed for C to E/O/ Directions	Amt. of BG Imposed	Submissi on Period	Purpose of BG	Compliance period	Validity Date
01	C to R	5.0 Lakh	15 Days	Towards O&M of pollution Control System and compliance of consent conditions	31/08/2024	31/12/2024



Schedule-IV
General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 7) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the manufacturing activity.
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 17) Conditions for D.G. Set



- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18) The industry should not cause any nuisance in surrounding area.
 - 19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
 - 20) The applicant shall maintain good housekeeping.
 - 21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
 - 22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
 - 23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 - 25) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
 - 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
 - 28) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW (M, H & TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose in order to reduce load on incineration and landfill site/ environment.

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(Handwritten signature)

Annexure - XX

OCEMS policy

MAHARASHTRA POLLUTION CONTROL BOARD

Tel.: 24010437/24020781/24014701
Fax : 24024068 / 24044531
Website : www.mpcb.gov.in
E-mail : jdair@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor,
Opp. PVR Cinema,
Near Sion Circle, Sion (E),
Mumbai - 400 022.

NO.MPCB/JD(APC)/TB-2/B- 501

Date: 05/02/2020

To,
Nazimuddin,
Divisional Head-IPC-II,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032

Sub: Policy for use of Pet Coke and Furnace Oil as a Fuel in the State of Maharashtra.

Ref: 1. Order passed by Hon'ble National Green Tribunal in OA No.67/2019 filed by sumit kumar v/s State of Himachal Pradesh.
2. CPCB direction No. B-33014/07/2019/IPC-II/5747-5778 dtd. 23/08/2019.
3. Policy for use of pet coke & furnace oil in State of Maharashtra dtd. 05/02/2020.

In compliance to Hon'ble National Green Tribunal in OA No.67/2019 filed by sumit kumar v/s State of Himachal Pradesh and CPCB direction dtd. 23/08/2019, M.P.C.Board vide circular No. MPCB/JD(APC)/Fuel Policy/TB-2/B-489 dtd.05/02/2020 formulating Policy for use of Pet Coke and Furnace Oil as a Fuel in the State of Maharashtra. Copy of circular submitted for information & further submission to Hon'ble National Green Tribunal.

D.A. Circular dtd.05/02/2020.

(E. Ravendiran, IAS)
Member Secretary

Copy Submitted for information to:

1. Chairman, M.P.C.Board, Sion, Mumbai.
2. Chairman, C.P.C.Board, Delhi.
3. Principal Secretary, Environment, Govt. of Maharashtra, Mantralaya, Mumbai
4. Member Secretary, C.P.C.Board, Delhi

Copy to:

1. PSO / JD-APC / JD-WPC / RO-HQ/Law Officer-1/2, for information.
2. All RO / All SRO, MPCB for information & Necessary Action. They are directed to circulate the said circular to all concerned industries/Industries Association and District Magistrates as per your jurisdiction.
3. ASO / EIC-For uploading on MPCB Website

D.A. Circular dtd.05/02/2020.

MAHARASHTRA POLLUTION CONTROL BOARD

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No. MPCB/JD(APC)/Fuel Policy/TB-2/B- 489

Date : 05/02/2020

CIRCULAR

Sub : Policy for use of Pet Coke and Furnace Oil as a fuel in the State of Maharashtra

Ref : Orders passed by Hon'ble National Green Tribunal in Original Application No.67/2019 filed by Sumit Kumar v/s State of Himachal Pradesh.

Shri M.C. Mehta had filed a Writ Petition (s) (Civil) No. 13029/1985 before the Hon'ble Supreme Court of India against the Union of India & Ors., regarding prohibition on use of pet coke and Furnace oil in industries in the NCR state of Haryana, Uttar Pradesh and Rajasthan, wherein, the Hon'ble Supreme Court of India vide order dated 17/11/2017 directed all the State Government and Union Territories to consider similar measures.

Subsequently, the Hon'ble Supreme Court has passed various orders dated 13/12/2017, 05/02/2018, 26/07/2018, 09/10/2018 and in its order dated 09/10/2018, taken on record the Report of Central Pollution Control Board regarding use of pet coke as feed stock in Calcined Petroleum Coke (CPC) units wherein it was recommended that due to emission of SO₂ in high concentration the emission needs to be treated in Flue-gas desulfurization (FGD) systems having removal efficiency more than 90%.

Sumit Kumar has filed an Original Application bearing No.67/2019 against State of Himachal Pradesh & Ors. with clubbed matter before the Hon'ble National Green Tribunal, Principal Bench, New Delhi, for prohibition on use of pet coke and furnace oil as a fuel.

In the aforesaid matter, the Hon'ble NGT vide order dated 28/03/2019 has accepted Report of the Central Pollution Control Board and directed the CPCB to issue appropriate directions in this regard to the concerned States indicating corrective measures against those who failed to comply with the directions.

In compliance of the aforesaid directions, the Central Pollution Control Board has issued directions u/s 5 of the Environment (Protection) Act, 1986 vide letter dated 23/08/2019 directed to all States and Union Territories for preparation of policy on use of Pet Coke and Furnace Oil as follows,

- (i) *State Government / Union Territory Administration shall formulate and enforce fuel policy regarding use of pet coke and furnace oil in the State/ Union Territory in light*

of various orders passed by Supreme Court regarding use of pet coke and furnace oil in Writ Petition (C) No.13029/1985.

- (ii) *State Government / Union Territory Administration through respective SPCB / PCC shall take strict action against any industry, if found violation of the fuel policy on use of pet coke and furnace oil that will be enforced as above, using the powers conferred under environmental laws.*

1. Policy:

Accordingly, the following policy is framed for use of Pet Coke & Furnace Oil as Fuel:

(i) PET COKE (PC) :

Petroleum coke, abbreviated coke or petcoke, is a final carbon-rich solid material which is derived from oil refining and is one type of the group of fuels referred to as cokes. This coke can either be fuel grade (high in sulphur and metals) or anode grade (low in sulphur and metals). Pet-Coke is over 80% Carbon and emits 5% to 10% more Carbon Dioxide (CO₂) than Coal on a per unit-of-energy basis when it is burned.

(ii) FURNACE OIL (FO):

Fuel oil (also known as heavy oil, marine fuel or furnace oil) is a fraction obtained from petroleum distillation, either as a distillate or a residue. Fuel oil is made of long hydrocarbon chains, particularly alkanes, cycloalkanes and aromatics.

2. The following fuel will be allowed subject to Conditions mentioned further:

- A. Liquefied Petroleum Gas (LPG)
- B. Liquefied Natural Gas (LNG)
- C. Piped Natural Gas (PNG)
- D. High Speed Diesel (HSD)
- E. Bio Gas
- F. Bio-fuel (Bio-Ethanol etc.)
- G. Refuse Derived Fuel (RDF): To be used in Cement kiln & Waste to Energy plant or any other unit allowed by the Central Government/State Government.
- H. Biomass as fuel (like Bagasse, Briquettes/Pellets etc.)/ Agriculture refuse/dung cake.
- I. Low Sulphur Heavy Stock (LSHS)
- J. Light Diesel Oil (LDO)
- K. Coal/lignite



- L. Firewood/wood charcoal
- M. Naptha/Propane/ gasoline/Hydrogen/Methane
- N. Pet Coke subject to Specific Conditions: In units such as Cement Plant or Lime kiln, Calcium carbide and Gasification for use as feed stock or in the manufacturing process only on actual user basis or in process where Sulphur is completely absorbed as per Office Memorandum issued by Ministry of Environment Forest & Climate Change (MoEF &CC) vide no. Q-18011/54/2018-CPA dated-10-09-2018.
- O. Units having furnaces based upon Furnace Oil as fuel may be allowed with a condition that Unit(s) shall install the system for 90% scrubbing and removal of SO2 emission and Large scale & Medium Scale unit shall install continuous online emission monitoring system and online data transfer to Maharashtra Pollution Control Board & Central Pollution Control Board.

3. IMPLEMENTATION PERIOD:

- i. Units planning to use Furnace Oil shall follow the timeline given below for compliance with installation of system for 90% scrubbing of SO2 emission and Large Scale & Medium Scale unit shall install the continuous online emission monitoring system.

Table		
Category		Timeline for compliance from the date of Notification.
Unit(s) irrespective of category falling in Critical Polluted Area (CPAs)/ Severely Polluted Area (SPAs)/Other Polluted Areas (OPAs) based on the Comprehensive Environmental Pollution Index (CEPI) developed by CPCB.		One Year
Rest of Areas in Maharashtra	Red Category	Two Years
	Orange Category	
	Green Category	

- ii. In case any units failed to achieve the compliance within the timeline mentioned above, they shall be prohibited for using Furnace Oil.


(E. Ravendiran, IAS)
Member Secretary

Copy submitted for favour of information to:

1. Hon'ble Chairman, MPCB, Sion, Mumbai.
2. Principal Secretary, Environment, Govt. of Maharashtra, Mantralaya, Mumbai

Copy to:

1. PSO / JD-APC / JD-WPC / RO-HQ/Law Officer-1/2, for information.
2. All RO / All SRO, MPCB for information & Necessary Action. They are directed to circulate the said circular to all concerned industries/Industries Association and District Magistrates as per your jurisdiction.
3. ASO / EIC-For uploading on MPCB Website

Annexure - XXI


**Snapshot of uploaded 1st EC
compliance report along with
monitoring data**

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Started in 1982 with a small manufacturing setup, with time the company has expanded its operations and has 4 Manufacturing sites in Maharashtra with each catering to specific product chemistry/unit operations to meet the requirements of International and Domestic Market.

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