



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Managing Partner
 BEETACHEM INDUSTRIES
 Plot No. W-177, TTC MIDC, Pawane village, Thane Belapur Road -
 400710

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/IND3/69683/2019 dated 02 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22B021MH110847 |
| 2. File No. | SIA/MH/IND3/69683/2019 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk |
| 6. Name of Project | Proposed Change In Product Mix in the category of synthetic organic chemicals at existing Unit Located at Plot No. W-177, TTC MIDC, Pawane Village, Thane Belapur Road , Dist: Thane, Maharashtra By M/S. Beetachem Industries |
| 7. Name of Company/Organization | BEETACHEM INDUSTRIES |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 08 May 2019 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 21/04/2022

(e-signed)
Manisha Patankar Mhaikar
 Member Secretary
 SEIAA - (Maharashtra)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND3/69683/2019
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. BEETACHEM INDUSTRIES,
Plot No. W- 177, TTC MIDC, Pawane Village,
Thane Belapur Road, Dist: Thane.

Subject : Environmental Clearance for Proposed Change in Product Mix in the category of synthetic organic chemicals at existing Unit Located at Plot No. W- 177, TTC MIDC, Pawane Village, Thane Belapur Road, Dist: Thane, Maharashtra by M/s. BEETACHEM INDUSTRIES.

Reference : Application no. SIA/MH/IND3/69683/2019

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 203rd and 216th meeting under screening category 5(f) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 239th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1.Name of Project	Proposed Change In Product Mix in the category of synthetic organic chemicals at existing Unit Located at Plot No. W- 177, TTC MIDC, Pawane Village, Thane Belapur Road ,Dist: Thane, Maharashtra By M/S. Beetachem Industries
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arun Surendra Rao
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Synthetic Organic Chemicals
6.New project/expansion in existing project /modernization/diversification in existing project	diversification in existing project
7.If expansion /diversification, whether environmental clearance has been obtained for existing project	No. The existing facility was established in 1983 i.e. before the EIA notification 2006 and since then no expansion has been undertaken till date, hence, EC was not applicable to the project.

8.Location of the project	Plot no. W-177, T T C Industrial Area, Thane Belapur Road, Navi mumbai
9.Taluka	Thane
10.Village	Pawane village
Correspondence Name:	Mr.Arun Surendra Rao
Room Number:	Plot No. W-177 TTC MIDC, Pawane village ,
Floor:	Ground floor
Building Name:	Beetachem Industries
Road/Street Name:	South Central Road
Locality:	Pawane village , TTC MIDC
City:	Navi Mumbai - 400710
11.Whether in Corporation /Municipal / other area	Navi Mumbai Municipal Corporation
12.IOD/IOA/Concession/ Plan Approval Number	N.A IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 616
13.Note on the initiated work (If applicable)	Not applicable as it is a change in product mix project where no construction is involved
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval letter no. DE/MHP (C) /W-177 / C -88912 /2013 dated 17/9/2013
15.Total Plot Area (sq. m.)	700 sq m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 616.59 sq.m b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 616
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): N.A Date of Approval: 17-09-2013
19.Total ground coverage (m2)	124.65 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.8
21.Estimated cost of the project	39517500

22.Number of buildings & its configuration				
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	Beetachem Industries & 1 Building	5 including ground floor i.e, (G+4)	19 m	
23.Number of tenants and shops		Not applicable as it is an industry		
24.Number of expected residents /users		Not applicable		
25.Tenant density per hectare		Not applicable		
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))		9 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		9 m		
29.Existing structure (s) if any		Existing structures present at site are administration office, Storage area, manufacturing area, Primary Effluent Treatment Plant, utility area etc. No addition of structure will be required for proposed change in product mix.Not applicable		
30.Details of the demolition with disposal (If applicable)		Not applicable as no demolition is envisaged.		
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)

1	Methylal/Ethylal	120 TPA	0 TPA	120 TPA
2	Methyl Formate/ Ethyl Formate	120 TPA	0 TPA	120 TPA
3	Iso Propyl Acetate / Iso Propyl Formate	240 TPA	-120 TPA	120 TPA
4	Ethyl Acetate / Methyl Acetate	120 TPA	0 TPA	120 TPA
5	Methyl Iso Butyl Carbinol	300 TPA	0 TPA	300 TPA
6	Rectification/Purifi cation of solvents from waste process under schedule I (Cat. No. 1.4/1.6/20.1/20.2/20. 3/28.6) and all other categories from which solvent recovery is possible (Quantity to be filled -4000 MT/A)	3500 TPA	0 TPA	3500 TPA
7	Copper Sulphate and Nickel Sulphate and process under schedule- I (cat no.1.7/17.2/18.1/35. 2)(Quantity to be handled 250 MT/A)	150 TPA	0 TPA	150 TPA
8	Ethyl Propionate	0 TPA	+ 120 MT/A	120 TPA
9	Recycle, reconditioning and cleaning of barrels, containers for captive use	2500 Nos / month	0 nos / month	2500 Nos / month
32.Total Water Requirement				
		Source of water	TTC MIDC	
		Fresh water (CMD):	6.05	
		Recycled water -	Not applicable	

Dry season:	Flushing (CMD):	
	Recycled water - Gardening (CMD):	Not applicable as water is not being recycled
	Swimming pool make up (Cum):	Not applicable as no swimming pool proposed
	Total Water Requirement (CMD):	6.05 cmd
	Fire fighting - Underground water tank(CMD):	1 nos of 15 KL
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	1.6 cmd of trade effluent will be treated in PETP and sent to CETP for disposal while domestic sewage amounting to 1.1 cmd will be treated in soak pit followed by septic tank
Wet season:	Source of water	TTC MIDC
	Fresh water (CMD):	4.8
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable as water is not being recycled
	Swimming pool make up (Cum):	Not applicable as no swimming pool proposed
	Total Water Requirement (CMD):	4.8 cmd
	Fire fighting - Underground water tank(CMD):	1 nos of 15 KL
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated	1.6 cmd of trade effluent will be treated in PETP and sent to CETP for disposal while domestic sewage

	water			amounting to 1.1 cmd will be treated insoak pit followed by septic tank					
Details of Swimmingpool (If any)				Not applicable					
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	1.3	0	1.3	0.2	0	0.2	1.1	0	1.1
Industrial Process	2.05	0	2.05	0.55 ((+)0.7 water of reaction(-)1.25 losses)	0	0.55 ((+)0.7 water of reaction(-)1.25 losses)	1.5	0	1.5
Cooling tower & thermopack	1.5	0	1.5	1.4	0	1.4	0.1	0	0.1
Gardening	0.5	0.7	1.2	0.5	0.7	1.2	0	0	0
34.Rain Water Harvesting (RWH)				Level of the Ground water table:		5.25 m below ground level			
				Size and no of RWH tank(s) and Quantity:		4m2 (2m x 2m) 1 Nos of 15 KL capacity			
				Location of the RWH tank(s):		In the green belt area			
				Quantity of recharge pits:		N.A.Overflow of rain water from rain water harvesting tank will be connected to MIDC storm water drain			
				Size of recharge pits:		NA			
				Budgetary allocation (Capital cost) :		Rs. 10 lakhs			
				Budgetary allocation (O & M cost) :		Rs. 2 lakhs per annum			
				Details of UGT tanks if any :		Not applicable			
35.Storm				Natural water drainage pattern:		Proper and separate storm water drains will be provided as per natural slopes.			

water drainage	Quantity of storm water:	4.45 lit/sec
	Size of SWD:	0.5 x 0.5 x 0.5 m3
Sewage and Waste water	Sewage generation in KLD:	1.1 KLD
	STP technology:	Sewage will be treated in soak pit followed by septic tank.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	Existing 2 lacs for the primary effluent treatment plant
	Budgetary allocation (O & M cost):	0.8 lacs /Annum for the primary effluent treatment plant
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	N.A as no construction involved
	Disposal of the construction waste debris:	N.A as no construction involved
Waste generation in the operation Phase:	Dry waste:	3200 kg/ Annum (Wood scrap, Paper waste / cardboard, plastic waste Unusable PVC scrap)
	Wet waste:	Spent solvent
	Hazardous waste:	Total hazardous waste is 512 MT / Annum
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA as no STP is proposed.
	Others if any:	CHWT SDF
Mode of Disposal of waste:	Dry waste:	Sale to authorized re-processors
	Wet waste:	CHWT SDF
	Hazardous waste:	will be handed over to CHWT SDF
	Biomedical waste (If applicable):	NA

	applicable):	
	STP Sludge (Dry sludge):	NA as no STP is proposed.
	Others if any:	NA
Area requirement:	Location(s):	In the existing plant
	Area for the storage of waste & other material:	1.5 m x 3.0 sq.m i.e, 4.5 sq.m
	Area for machinery:	Not applicable as the hazardous waste will be disposed off to CHWTSDf
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 3 lakhs
	O & M cost:	Rs. 20 lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	7-7.5	Between 6.0 to 8.5
2	COD	mg/l	250 -300	200-225	Not to exceed 250mg/lit
3	BOD (3 days at 27 degree Celsius)	mg/l	100-125	60-70	Not to exceed 100mg/l
4	TSS	mg/l	400-500	30-50	Not to exceed 100mg/lit
5	TDS	mg/l	100 -150	100-150	Not to exceed 2100mg/lit
6	Oil and Grease	mg/l	10	Nil	Not to exceed 10 mg/lit
Amount of effluent generation(CMD):		Trade Effluent -1.6 cmd			
Capacity of the ETP:		2 KLD			
Amount of treated effluent recycled :		Treated effluent will be sent to CETP, effluent will not be recycled			
Amount of water send to the CETP:		1.6 cmd			
Membership of CETP (if require):		Beetachem Industries is a member of Thane Belapur Association vide registration number 11-81983 dated 12th October 1994			

Note on ETP technology to be used		All the effluent generated at the facility is going for treatment to ETP comprising of neutralization settling. The system is designed to treat 2 m3/day waste water. The effluent is collected in to neutralization/equalization/settling tank in a batch wise manner. Alum dose of 250mg/lit is given in neutralization tank for coagulation and for enabling better settling. Effluent is neutralized if required, by using acid/alkali. Then it is settled for 4 hrs. The supernatant is pumped to final trea					
Disposal of the ETP sludge		To the CHWTSDF					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Cu/Ni catalyst /Molecular sieves (From Petrochemical Process) + Spent Cu/Ni catalyst (From production of acid) + Spent Cu/Ni catalyst (From production of nitrogenous & complex fertilizers) + Spent Cu/Ni catalyst (From purification process of Organic compounds / solvents)	1.6 / 17.2 / 18.1 /36.1 respectively	MT/A	25	0	25	Sent to CHWTSDF
2	Organic residues + Still bottoms from distillation process + Contaminated aromatic ,aliphatic or Naphthenic solvents not fit	1.4 / 1.2 / 20.1 / 20.2 / 20.3 respectively	MT/A	480	0	480	Sent to CHWTSDF

	for originally intended use. + Spent solvent + Distillation residue						
3	Chemical sludge from the ETP	35.3	MT/A	2	0	2	Sent to CHWTSDF
4	Chemical containing residue arising from de-contamination	34.1	MT/A	2.5	0	2.5	Sent to CHWTSDF
5	Sludge from treatment of wastewater arising out of cleaning / disposal of barrels / containers	34.2	MT/A	2.5	0	2.5	Sent to CHWTSDF

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing Thermopack	PNG 15 kg/day	1	30.0	0.35	190 degree celsius
2	Existing DG set 125 KVA	HSD 28 Lit /hr	1	4.5	0.25	160 degree Celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	PNG	15 KG/DAY	0	15 KG/DAY
2	HSD	28 lit /hr	0	28 lit /hr

41.Source of Fuel The source of fuel for PNG is MNGL while for HSD it is local supplier / local petrol pump

42.Mode of Transportation of fuel to site Underground pipeline for PNG and for HSD it is tanker.

43.Green Belt	Total RG area :	Existing 15 no of trees planted at 100 sq.m of area, additional 20no of trees will be planted in 131 sq. m. of area. Toatl green belt area will be 231 sq. m. which is 33% of total plot area.
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Development	No of trees to be cut:	No tree cutting is envisaged.		
	Number of trees to be planted :	20		
	List of proposed native trees :	Ashok Pimpal Mango & Coconut		
	Timeline for completion of plantation :	Within 1 year		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyalthiapendula	Ashoka	10	Pollution resistant
2	Ficus religiosa	Pimpal	2	Pollution resistant
3	Mangifera Indica	Aam	2	Fruit bearing tree
4	Cocos nucifera	Nariyal	6	Pollution resistant
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial Number	Name	C/C Distance	Area m2	
1	Not applicable as no podium is proposed	NA	NA	
47.Energy				
Power requirement:	Source of power supply :	MSEDCL		
	During Construction Phase: (Demand Load)	N.A as no construction is envisaged		
	DG set as Power back-up during construction phase	N.A as no construction is envisaged		
	During Operation phase (Connected load):	60 KW		
	During Operation phase (Demand load):	60 KW		
	Transformer:	250 KVA		
	DG set as Power back-up during	Existing 125 KVA		

	operation phase:			
	Fuel used:	HSD		
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot		
48. Energy saving by non-conventional method:				
Beetachem Industries will provide the solar rooftop system at the terrace of the buildings. It will be a 39 KWP system. The total yield will be 235 kwh / day. Beetachem will use the solar power for the illumination of the parking areas, street lights and office buildings. Beetachem will also provide variable frequency drives for conservation of energy.				
49. Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures	Saving %		
1	NA	NA		
50. Details of pollution control Systems				
Source	Existing pollution control system	Proposed to be installed		
Air	Scrubber , stack attached to the Thermopack (4 lakh Kilo cal/hour)	None		
Water	Primary effluent treatment plant	None		
Noise	Inbuilt within the equipment	None		
Solid and hazardous waste	Storage space for the solid and hazardous waste and disposal to CHWTSDF	None		
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 118 lakhs		
	O & M cost:	Rs. 6 lakhs per annum		
51. Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	None as no construction is envisaged	None as no construction is envisaged	None as no construction is envisaged	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

1	Air pollution control	Scrubber , stack attached to the Thermopack (4 lakh Kilo cal/hour)	10	0.2
2	Water pollution control	Primary Effluent Treatment Plant	2	0.8
3	Noise pollution Control	Cost of the monitoring noise	0	0.4
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	0.6
5	Environmental Monitoring Budget	Monitoring for ambient air, stack monitoring, ground water, ETP inlet and outlet . ambient noise, soil quality, green beltsolid waste	0	5.38
6	Hazardous waste Storage & disposal	For storing hazardous waste in the warehouse And the cost of disposal to CHWTSDF	3	20
7	Green belt	For planting the treesaplings and maintenance of the existing and proposed green belt	1.17 5	0.12
8	Energy conservation measures	Solar rooftop harvesting to generate 39.3 KW of electrical energy	118	6

9	Rainwater harvesting	Rainwater harvesting system with associated pipes and maintenance of the same	10	2			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	Tank -1 ,Tank 2	20	20	123 MT /Annum	Local	Tanker
Ethanol	Liquid	Tank 1 ,Tank 2	20	20	357 MT / Annum	Local	Tanker
Isopropanol	Liquid	Tank 1 , Tank 2	20	20	80 MT / Annum	Local	Tanker
Paraformaldehyde	Solid	Warehouse	5	5	46 MT / Annum	Local	Truck
Formic Acid	Liquid	Warehouse	5	5	97 MT / Annum	Local	Truck
Acetic Acid	Liquid	Warehouse	5	5	171 MT / Annum	Local	Truck
Propionic acid	Liquid	Warehouse	5	5	95 MT / Annum	Local	Truck
Acetone	Liquid	Tank 1 , Tank 2	20	20	400 MT / Annum	Local	Truck
Methylal	Liquid	Tank 3	10	10	60 MT / Annum	Local	Truck
Ethylal	Liquid	Tank 3	10	10	60 MT /	Local	Truck

					Annum		
Methyl Formate	Liquid	Tank3	10	10	60 MT / Annum	Local	Truck
Ethyl Formate	Liquid	Tank 3	10	10	60 MT /Annum	Local	Truck
Isopropyl Acetate	Liquid	Tank 3	10	10	120 MT / Annum	Local	Truck
Ethyl Propionate	Liquid	Tank 3	10	10	120 MT /Annum	Local	Truck
Ethyl Acetate	Liquid	Tank 3	10	10	60 MT / Annum	Local	Truck
Methyl Acetate	Liquid	Tank 3	10	10	60 MT /Annum	Local	Truck
Methyl Iso Butyl Carbinol	Liquid	Tank 3	10	10	300 MT / Annum	Local	Truck
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	Nil					
Parking details:	Number and area of basement:	None					
	Number and area of podia:	None					
	Total Parking area:	20.70 sq.m					
	Area per car:	NA					
	Area per car:	NA					
	Number of 2- Wheelers as approved by competent authority:	NA					

	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Beetachem Industries is located at a distance of 6.1 km from the Thane Creek Flamingo Sanctuary
	Category as per schedule of EIA Notification sheet	schedule 5 (f) and category B-1
	Court cases pending if any	No
	Other Relevant Informations	<p>1. Beetachem will undertake CER activities amounting to the 1% of the additional proposed investment i.e, (1% of 128.175 lakhs = Rs. 1,28,175) which will be utilized for provision of changing room for girls in the Z.P school in Pawane village. The above CER investment is in line with the MoEF & CC O.M no. File No- 22-65/2017-IA.III dated 1.05.2018 . Beetachem has submitted the CER plan along with budget to the District Collector and the acknowledgment of the same is attached in the EIA report.</p> <p>2. In the item against Sr. No 32 i.e production details an equal amount of isopropyl formate (120 TPA) will be replaced by an equal amount of ethyl propionate (120 TPA) thereby total production quantity remains equal i.e, 4550 TPA along with Recycle, reconditioning and cleaning of barrels, containers for captive use amounting to 2500 Nos / month.</p> <p>3. The total existing built up area is 616.59 sq.m and</p>

		while mentioning the value against Sr.No 20 (Total proposed built up area) and against the Sr. No 12 (Approved Built up area) , only integer value is allowed to be entered by the system hence it has been rounded off to a lower side to 616 sq.m. It may be noted that no additional construction is envisaged. The change in product mix will be done in existing premises / building.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 239th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP to achieve the standard parameters stipulated for Bulk Drugs and Formulation (Pharmaceuticals) sector in the Environment (Protection) Second Amendment Rule, 2021 dated 6th August 2021 published by MoEF&CC.
2. PP has obtained permission from the CETP to discharge their 1.6 CMD effluent.
3. The total plot area is 700 Sq.m. PP proposes to develop 132 Sq.m (19%) green belt within the premises and the deficit 16% is proposed outside the plant premises. PP to submit their plan for green belt development to meet the mandatory requirement of 33% green belt.
4. PP to provide Online Continuous Monitoring System connected to the servers of CPCB and MPCB.
5. PP to ensure to utilize CER fund before commissioning of the manufacturing activity in consultation with the District Collector.
6. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.
7. PP to complete rain water harvesting facility before commissioning of the manufacturing activity.
8. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.
9. PP to include monthly Mock Drill in the safety training schedule considering various emergency scenarios based on the HAZOP and Risk Assessment.

SEIAA Conditions

1. PP submitted MIDC plan dated 26.02.2022. As per the said plan total plot area of the project is 700 sqm and PP has provided 132 sqm as green belt. Deficit green belt of 120.12 sqm area provided on the plot A-205/1 of Ecofriend Industries – a sister company of Beetachem Industries. PP submitted undertaking dated 28.02.2022 reading

balance green belt area development.

2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

- I. The project proponent 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 Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.

- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

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

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

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

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

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

9. The above stipulations would be enforced among others under the Water (Prevention and

Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

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


Manisha Patankar, Bhailkar
(Member Secretary, SEIAA)
20/4/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Thane.
7. Regional Officer, Maharashtra Pollution Control Board, Navi Mumbai.