

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC- 2013/CR-256/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 8th October, 2015

To,
M/s Privi Organics Ltd
Privi House, A-71, TTC, Thane Belapur Road,
Near Kopar Khairane Railway station,
Navi Mumbai-400709

Subject: Environment clearance for Proposed Aroma chemical manufacturing in unit III on plot no A-3, MIDC, Mahad, Raigad by M/s. Privi Organics 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 98th 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 87th 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:

Name of Project	Environmental Clearance for the proposed aroma chemical manufacturing in Unit III of Privi Organics Ltd. Plot No A-3, MIDC area, Mahad, Dist. Raigad
Project Proponent	Mr. D.B. Rao (Executive Director) M/s Privi Organics Ltd
Consultants	M/s. Green Circle Inc.
New Project / Expansion	Expansion
If expansion/ Diversification, whether environmental clearance has been obtained for existing project	Yes, copy is enclosed
Activity schedule in the EIA Notification	5(F) Category B as per the provision of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006; amended on December 01, 2009.
Area Details	> Total plot area (sq. m.): 12000 > Built up area (Sq. m.): 1833.34
Name of the Notified Industrial area / MIDC	Maharashtra Industrial Development Corporation (MIDC) Tal- Mahad, Dist- Raigad

Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	Sr.no.	Description	Amount in Lacs		
	1	Land & Building	59.0		
	2	Building (Factory + Office + Warehouse)	330.0		
	3	Plant & Machinery	1892.0		
	4	Piping + Electrical + Instrumentations + Painting + Erection & Commissioning	1469.0		
	Total		3750.0		
Location details of the project :	<ul style="list-style-type: none"> ➤ Latitude: 18°06.340`N ➤ Longitude: 73°28.795`E ➤ Location: MIDC, Mahad, Dist- Raigad ➤ Elevation above Mean Sea Level (metres): 20.42 				
Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> ➤ Level of the Ground water table: 5.0 to 6.0 m ➤ Size and no of RWH tank(s) and Quantity: 1 Tank (450 KL) ➤ Location of the RWH tank(s): At the lowest point on plot ➤ Size, nos of recharge pits and Quantity: Not Permitted ➤ Budgetary allocation (Capital cost and O&M cost) Capital Cost (Lacs): 0.9 Lacs Recurring Cost (Lacs): 0.4 Lacs 				
Total Water Requirement	Total water requirement:				
	• Fresh water (CMD): Existing- 276.0 + Propose - 334.19 & Source: MIDC Water Supply, Total: 610.19				
	• Recycled water (CMD): 43.8				
	Use of the water:				
	• Process (CMD)	154.19			
	• Cooling water (CMD):	200.0			
	• Drinking (CMD):	Included in domestic requirement			
	• Green belt (CMD):	10.0 (Recycle)			
• Domestic (CMD):	40.0				
• Boiler (CMD):	216.0				
Total	610.19				
Storm water drainage	• Natural water drainage pattern		The industry is located in Mahad MIDC area where all the facilities are available by MIDC. The land is having gentle slope. Runoff from surrounding areas ultimately joins to Savitri river and Kal through medium and small shallow streams.		
	<ul style="list-style-type: none"> • quantity of storm water: 2828.4 (generated during monsoon) • Size of SWD: 169.6 m² 				
Sewage generation and treatment	<ul style="list-style-type: none"> • Amount of sewage generation (CMD):20 KL • Proposed treatment for the sewage: Soak pit and Septic tank 				
Effluent characteristic	Sr. No.	Parameters	Inlet effluent Characteristic	Outlet effluent Characte ristic	CPCB Standard
	1	pH	4-6	7-7.5	5.5-9

	2	COD	2000-4500	220	250
	3	BOD	1000-2400	25	30
	4	NH ₄ ⁺ - N	5-10	2	50
	5	Oil & Grease	15-20	Nil	10
	6	TDS	3000-4000	1300	2100
ETP details	<p>➤ Amount of effluent generation (CMD): 122.24 (unit-1) +143.8 (unit-3) Total: 266.0 m³</p> <p>➤ Capacity of the ETP (CMD): 300 m³</p> <p>➤ Amount of treated effluent recycled (CMD): 5.0(unit-1)+ 38.8 (unit-3) Total: 43.8 m³</p> <ul style="list-style-type: none"> • Amount of water send to the CETP (CMD): 221.0 • Membership of the CETP (If require): If yes then attach the letter submit the letter Attached as annexure VI 				
Note on ETP technology to be used	The ETP is comprise of primary, secondary & tertiary treatment units viz. equalization tank, neutralization tank, aeration tank, primary & secondary clarifiers and final collection sump. A tertiary treatment in pressure sand filter and activated carbon filter would confirm the effluent characteristics to MPCB norms.				
Disposal of the ETP sludge (If applicable)	Forwarded to CHWTSDf				
Solid waste Management	Sr. No	Source	Qty in (TPM) (Existing +Proposed)	Form(Sludge Dry/Slurry etc.)	Composition
	Non-Hazardous waste				
	1.	Utility			
		Boiler ash	67.2	Dry & Solid	-
		Insulation	0.025	Dry & Solid	-
	2.	Process & Utility			
		MS Scrap	1.50	Dry & Solid	-
	3	Canteen	0.45	Dry/Slurry & Solid	
	4	Office			
		(Paper, wood waste,Plastic etc.)	2.5	Dry & Solid	-
	Hazardous Waste				
	S.no	Type & Category of hazardous waste			Quantity
	1	Cat.no.-34.3 Chemical Sludge from ETP			15MT/M
	2	Cat.no.-20.3 Residue & Hydrocarbon			10.5 MT/M
	3	Cat.no.-5.1 Spent oil			0.416 MT/M
	4	Cat.no.-33.3 Discarded Containers	Drums		100 Nos/M
			IBCs		30 Nos/M
			Carboys		70 Nos/M
	5	Cat.no.-36.1 Sludge from MEE			15.6 MT/M
	6	Battery rules,2002: Lead acid batteries			05 Nos/A
7	Cat.no.5.2-Waste or residue containing oil			0.01 MT/M	

	8	E-waste 2011- e-waste	0.025 MT/M			
	9	Cat.no.35.3 Spent Carbon	0.5 MT/M			
	10	Corrosive Waste	05MT/M			
	11	Spent Solvent	30 MT/M			
	<ul style="list-style-type: none"> If waste(s) contain any hazardous/toxic substance/radioactive materials or heavy metals then provide quantity, disposal data and proposed precautionary measures. Disposal Method: Sale to authorize party or forwarded to CHWTSDF, Taloja What are the possibilities of recovery and recycling of wastes? Not Applicable Possible users of solid waste Boiler ash Sale to Brick Manufacture/Land filling and canteen waste sale to Vermiculture Method of disposal of solid waste Sale to authorize party 					
Atmospheric Emissions (Flue gas characteristics SPM, SO ₂ , NO _x , CO, etc.)	Sr. No	Pollutant	Source of Emission	Emission rate (kg/hr)	Concentration in flue gas (g/m ³)	
		SPM	Boiler 8 TPH	0.6619	126 mg/Nm ³	
		SO ₂		0.2345	26.5 ppm	
		NO _x		Nil		
		CO		Nil		
		Others		Nil		
		SPM	Boiler 16 TPH			
		SO ₂				
		NO _x				
		CO				
		Others				
		SPM	380 KVA		96 mg/Nm ³	
		SO ₂		0.0243	20.4 ppm	
		NO _x		Nil		
		CO		Nil		
		Others		Nil		
		SPM	750 KVA			
		SO ₂		0.0259		
		NO _x				
		CO				
	Others					
Stack emission Details: (All the stacks attached to process units, Boilers, captive power plant, D.G. Sets, Incinerator both for existing and proposed	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (Top)(m)	Emission Rate	Temp. of Exhaust Gases
	Boiler 8TPH	1	42	0.95/1.9	SPM: SO ₂ : NO _x :	160

<p>activity). Please indicate the specific section to which the stack is attached. e.g.: Process section, D.G. Set, Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO₂, NO_x etc. should be specified</p>					CO: Others:	
	Boiler 16 TPH (Proposed)	2	44.5	1.5/2.5	SPM: SO ₂ : NO _x : CO: Others:	160
	DG Set 380 KVA	3	11	0.15	SPM: SO ₂ : NO _x : CO: Others:	80
	DG Set 750 KVA	4	11	0.15	SPM: SO ₂ : NO _x : CO: Others:	80
Emission Standard	Pollutants	Emission Standard Limit (mg/Nm ³)	Proposed Limit (mg/Nm ³)	MPCB Consent (mg/Nm ³)		
	SPM/TPM	-	Not to exceed	150		
	SO ₂	-	Not to exceed	396 kg/day		
	SO ₂ /NO _x	-	Not to exceed	50 ppm		
	Acid mist/HCL	-	Not to exceed	35		
Ambient Air Quality Data	Pollutant	Permissible Standard	Proposed Concentration (µg/m ³)	Remarks		
	PM ₁₀	100	94.2			
	PM _{2.5}	60				
	SO ₂	80	21.6			
	NO _x	80	18.8			
	CO	2 mg/m ³				
	Ammonia	400				
	Ozone	100				
	Lead	1.0				
	Arsenic	6.0 ng/m ³				
	Nickel	20.0 ng/m ³				
Benzopyrene	1.0 ng/m ³					

Details of Fuel to be used:	Sr. No	Fuel	Daily Consumption (TPD/KLD)		Calorific value (Kcals /kg)	% Ash	% Sulphur
			Existing	Proposed			
	1	Gas	---	---	---	---	---
	2	Naphtha	---	---	---	---	---
	3	HSD	70 L/hr	250L/hr	12000	0.01	0.5
	4	Fuel Oil	---	---	---	---	---
5	Coal	20 TPD	72 TPD	5500-6000	7.0	1.5	
<ul style="list-style-type: none"> • Source of fuel: local/import • Mode of transportation of fuel to site: By Road 							
Energy	Power supply: <ul style="list-style-type: none"> • Existing power requirement: 375 KVA • Proposed power requirement including existing: 2575 KVA DG sets: <ul style="list-style-type: none"> • Number and capacity DG sets to be used (existing and proposed): 1 x 380 KVA (Existing) and 1 x 750 KVA (Proposed) 						
Green Belt Development	<ul style="list-style-type: none"> • Green belt area (Sq. m.): 300.0 • Number and species of trees to be planted: 100 nos 						
Details of Pollution Control Systems:	Sr. No.		Existing pollution control system	Proposed to be installed			
	1	Air	Cyclone	-			
	2	Water	ETP	-			
	3	Noise	Acoustics	-			
	4	Solid Waste	filter press and proper storage	On line poly dose system & filter press and proper storage			
Environmental Management plan Budgetary Allocation	<ul style="list-style-type: none"> • Capital cost (With break up): 76.3 Lacs • O&M cost (With break up): 237.09 Lacs 						
	Sr. No.	Description	Recurring Cost in lacs per annum	Capital Cost in lacs			
	1	Air Pollution Control	10.0	08.0			
	2	Water Pollution Control	180.0	30.40			
	3	Noise Pollution Control	0.20	05.0			
	4	Environment Monitoring and Management	0.91	0			
	6	Occupational Health	35.0	4.0			
	7	Green Belt	0.58	3.0			
	8	Solid waste	10.0	15.0			

		management		
	9	Others (CSR)	-	10.0
	10	Rain water harvesting	0.4	0.9
		Total	237.09	76.3

List of Raw Materials

S. No	Product	Raw Materials	Existing Consumption MTPM	Proposed Consumption MTPM	Source	Transportation	Storage Condition
1	Terpineol & Its Derivatives	A-Pinene	0.0	332.40	Self made/Import/Domestic market	Road ways	Tank
2		Acetone	0.0	332.40	Import/Domestic market	Road ways	Tank
3		35% Sulphuric acid	0.0	332.40	Domestic market	Road ways	Tank /Drum
4		20-25% Ammonia solution	0.0	144.0	Domestic market	Road ways	Drum
5		Toluene	0.0	146.20	Import/Domestic market	Road ways	Tank
6		Acid Catalyst M	0.0	0.2	Domestic market	Road ways	Drum
7		Sodium hydroxide	0.0	0.8	Domestic market	Road ways	Bag
8	Terpinyl acetate & Derivatives	A-Terpineol	0.0	96.0	Self made/Import/Domestic market	Road ways	Tank
9		Acetic anhydride	0.0	90.0	Domestic market	Road ways	Tank
10		Acid Catalyst M	0.0	1.2	Domestic market	Road ways	Drum
11		Soda ash	0.0	2.9	Domestic market	Road ways	Bag
12	Prionyl	Ethylene dichloride	0.0	473.5	Import/ Domestic market	Road ways	Tank
13		Aluminium chloride	87.0	119.6	Domestic market	Road ways	Drum
14		Propionyl chloride	51.0	78.9	Domestic market	Road	Drum

						ways	
15		Propene	10.0	63.4	Domestic market	Road ways	Cylinder
16		Soda ash	10.0	6.0	Domestic market	Road ways	Bag
17		Triethanolamine	59.0	119.6	Import/ Domestic market	Road ways	Drum
18		Dimethyl malonate	29.0	49.3	Import/ Domestic market	Road ways	Drum
19		Sodium Methoxide	17.5	28.9	Import/ Domestic market	Road ways	Bag
20		Methanol	8.0	13.6	Import/ Domestic market	Road ways	Tank
21		30 % Sulphuric acid	8.34	85.0	Self made/Domestic market	Road ways	Tank
22		MDC	0.0	200.7	Import/Domestic market	Road ways	Drum
23		DCDMH	19.0	28.1	Domestic market	Road ways	Box
24		Cyclohexane	0.0	25.1	Import/Domestic market	Road ways	Drum
25		Methanol	0.0	80.3	Import/Domestic market	Road ways	Tank
26		Activated Charcoal	0.0	0.69	Domestic market	Road ways	Bag
27	Terpinolene	Dipentenes	0.0	107.0	Self made/Import/Domestic market	Road ways	Tank

28		Terpenes	0.0	46.0	Self made/Import/Domestic market	Road ways	Tank (Kg)
29		Phenol	0.0	106.65	Domestic market	Road ways	Drum
30	Terpene Phenol based resin	Xylene	0.0	61.20	Domestic market	Road ways	Drum
31		Boron trifluoride Etherate	0.0	4.5	Domestic market	Road ways	Drum
32		Soda ash	0.0	13.2	Domestic market	Road ways	Bag
33		Terpenes	0.0	157.95	Self made/Import/Domestic Market	Road ways	Tank
34	Polyterpene	Xylene	0.0	126.30	Domestic market	Road ways	Drum
35		Aluminium chloride	0.0	6.30	Domestic market	Road ways	Drum
36		Soda wash	0.0	9.15	Domestic market	Road ways	Bag
37	Para-Cymene	Dipentene or limonene	0.0	180.59	Self made/Domestic market	Road ways	Tank
38		Catalyst	0.0	0.18	Domestic market	Road ways	Tank
39	Camphene	A-Pinene	0.0	331.2	Self made/Import/Domestic market	Road ways	Tank
40		Catalyst T	0.0	6.5	Domestic market	Road ways	Drum

41		Catalyst	0.0	5.91	Domestic market	Road ways	Box
42		Sodium hydroxide	0.0	23.2	Domestic market	Road ways	Bag
43		Con.HCl	0.0	2.5	Domestic market	Road ways	Drum
44	Isobornyl acetate (IBA)	Camphene	0.0	168.4	Self made/Import/Domestic market	Road ways	Drum
45		Indion -140	0.0	32.3	Domestic market	Road ways	Drum
46		Acetic acid	0.0	94.3	Domestic market	Road ways	Drum/Tank

List of Products & By-products

S. No.	Product	Category	Qty in MTPM
1	Terpineol & Its derivatives like Pine oil Varieties	Aroma chemical	200
2	Terpinyl acetate & Its derivatives	Aroma chemical	100
3	Dipentene varieties a) Terpinolene 20 b) Terpinolene 40 c) Terpinolene 90	Aroma chemical	80
4	Prionyl**	Aroma chemical	30
5	Terpene-Phenol based resin like TPR-A,TPR-B,TPR-C,TPR-M & TPR-MS etc	Resin	150
6	Terpene(Polyterpene) based resins like PTR-A,PTR-B,PTR-C,PTR-M	Resin	150
7	Para-Cymene	Aroma chemical	100
8	Camphene	Aroma chemical	250
9	Isobornyl acetate	Aroma chemical	100
	Total		1160

** Product- Prionyl is already in existing consent to establish (CTE), but there is no production as there is no manufacturing facilities available in Unit-3.

By-Products

S.no.	Description	Existing (MT/M)	Proposed (MT/M)	Utilize
Product: Terpineol & Its derivatives				
1	Recovered acetone	0.0	320.0	Reuse or Sale to PCB registered party
2	Ammonium sulphate solution (22-30 %)	0.0	460.0	Sale to PCB registered party
3	Recovered Toluene	0.0	140.0	Reuse or Sale to PCB registered party
4	Dipentene	0.0	110.0	To make value addition

				products or Sale to PCB registered party
5	Column Tops	0.0	18.0	Sale to PCB registered party
6	Column Bottom mass	0.0	15.8	Sale to PCB registered party
Product: Terpinyl acetate & Its derivatives				
7	Acetic acid solution (23-30%)	0.0	212.0	Sale to PCB registered party
8	Sodium Acetate	0.0	120.1	Sale to PCB registered party
9	Column Tops	0.0	13.0	Sale to PCB registered party
10	Column bottom mass	0.0	4.0	Sale to PCB registered party
Product: Prionyl**				
11	Spent Aq. Aluminium chloride solution (30-38%)/Aluminium Chloride Hexahydrate	343.0	453.0	Sale to PCB registered Party
12	Spent Aq. Triethyl amine Hydrochloride (29 to 33%)	187.20	507.0	Sale to PCB registered Party
13	Recovered Triethanolamine	0.0	195	Reuse or Sale to PCB registered Party
14	Recovered EDC	0.0	471.0	Reuse or Sale to PCB registered Party
15	Column Tops	0.0	18.0	Sale to PCB registered party
16	Column Bottom mass	0.0	42.0	Sale to MPCB registered party
17	Recovered Methanol	0.0	114.0	Reuse or Sale to PCB registered Party
18	Spent (Sod.Sulphate) & Methanol solution	0.0	405.0	Sale to PCB registered Party
19	Recovered MDC	0.0	186.0	Reuse or Sale to PCB registered Party
20	Spent DMH Solution (DMH 8-10 %)	0.0	93.0	Sale to PCB registered Party
21	Recovered Cyclohexane	0.0	24.0	Reuse or Sale to PCB registered Party
22	Recovered Methanol	0.0	39.0	Reuse or Sale to PCB registered Party
23	Aq.methanol solution (15-18 %)	0.0	294.0	Sale to PCB registered Party
Product: Terpinolene				
24	Column Tops	0.0	15.6	Sale to PCB registered Party

25	Column bottom mass	0.0	1.9	Sale to PCB registered Party
26	LF (Mix of alcohols like Fenchyl alcohol , Borneol etc)	0.0	7.5	Sale to PCB registered Party
Product: Terpene-Phenol Resin				
27	Aq.fluoroboric acid (Fluoboric acid) solution	0.0	51.0	Sale to PCB registered Party
28	Recovered Xylene	0.0	55.5	Sale to PCB registered Party
Product: Polyterpene				
29	Spent Aq.Aluminium chloride solution/Aluminium Chloride Hexahydrate	0.0	39.0	Sale to PCB registered Party
30	Recovered Xylene	0.0	115.5	Sale to PCB registered Party
Product: .Para-Cymene				
31	Recovered catalyst	0.0	0.2	Sale to PCB registered Party
32	ColumnTops	0.0	63.0	Sale to PCB registered Party
33	Column Bottom mass	0.0	13.0	Sale to PCB registered Party
Product: Camphene				
34	Recovered catalyst	0.0	10.0	Sale to PCB registered Party
35	Column Tops	0.0	60.0	Sale to PCB registered Party
36	Column Bottom mass	0.0	12.5	Sale to PCB registered Party
Product: Isobornyl acetate (IBA)				
37	1st Aq. Layer Acetic acid solution (20-30%) OR	0.0	156.0	Sale to PCB registered Party
38	Sodium Acetate	0.0	90.4	Sale to PCB registered Party
39	Recovered Camphene	0.0	35.0	Reuse or sale to PCB registered party
40	Column Tops	0.0	55.0	Sale to PCB registered Party
41	Column Bottom mass	0.0	24.0	Sale to PCB registered Party
42	Recovered Indion catalyst	0.0	21.0	Sale to PCB registered Party

**** Product-** Prionyl is already in existing consent to establish (CTE), but there is no production as there is no manufacturing facilities available in Unit-3.

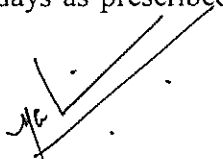
- The proposal has been considered by SEIAA in its 87th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iii) 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.
- (iv) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (v) Proper Housekeeping programmers shall be implemented.
- (vi) 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 achieved.
- (vii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (viii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (ix) Arrangement shall be made that effluent and storm water does not get mixed.
- (x) 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.
- (xi) 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.
- (xii) 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 conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiii) 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.
- (xiv) 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.
- (xv) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xvii) 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.
- (xviii) 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.

- (xix) 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.
 - (xx) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - (xxi) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
 - (xxii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
 - (xxiii) 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
 - (xxiv) 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>
 - (xxv) 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.
 - (xxvi) 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.
 - (xxvii) 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.
 - (xxviii) 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.
 - (xxix) 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.


(Mahesh Shankar)
Member Secretary, SEIAA.

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune - 411014. .
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. 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).
6. Regional Office, MPCB, Raigad.
7. Collector, Raigad
8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 15/10/2015)



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