

## KULKARNI ORGANICS PVT. LTD.

**REGISTERED OFFICE :**

172, SHANIWAR PETH,  
TRIMBAKESHWAR CO-OP. SOC.  
PUNE : 411 030. (MAHARASHTRA)

**MANUFACTURING SITE :**

PLOT NO. A-34/35 MIDC  
KURKUMBH IND. AREA, TAL-DAUND,  
DIST. PUNE : 413 801.

To,

The Chief Conservator of forest,  
Regional Office (WCZ), Ministry of Environment, Forest & Climate Change,  
Ground floor, East Wing, New Secretariate Building,  
Civil Lines, Nagpur - 440001,  
Maharashtra.

**Subject:** Submission of half yearly Compliance report for Industrial Project- Synthetic Organic Chemical Manufacturing unit, by M/s. Kulkarni Organics Pvt. Ltd., at Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.

**Ref:** Environment Clearance Letter No - File No. SEIAA Meeting No: 112 Meeting Date: July 27, 2017 (SEIAA STATEMENT-0000000373) SEIAA-MINUTES-0000000215 SEIAA-EC-0000000163, dated 9<sup>th</sup> August 2017.

Respected Sir,

With reference to the above subject, we are submitting the current status of our construction work, monitoring reports & point wise compliance status to various stipulations laid down by the ministry of Environment & forest along with necessary enclosure and annexure.

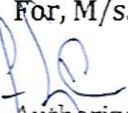
In accordance to your requirement please find enclosed herewith following documents for Post EC for the subject project for your kind reference.

1. Data sheet (July 2019 to December 2019)
2. Environment Clearance Letter
3. Compliance Report
4. Environment Monitoring Report (July-2019 to September-2019).
5. Environment Monitoring Report (October-2019 to December-2019).
6. Annexure I - Project Details
7. Annexure II -EMP Cost
8. Copy of Consent to Establish
9. Copy of Consent to Operate
10. Project Status

Hope you will find the above in line with your requirement.  
Thanking you,

Yours faithfully,

For, M/s. Kulkarni Organics Pvt. Ltd.

  
Authorized Signatory

Copy to:

The member secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> & 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai- 400022, India.

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS****MINISTRY OF ENVIRONMENT & FORESTS****Regional Office (WCZ), Nagpur****Monitoring Report****DATA SHEET****Period: July 2019 to December 2019**

1.	Project type: River -Valley/ Mining/ Industry/ Thermal/ Nuclear/ other (specify)	:	Industrial Estate
2.	Name of the project	:	M/s. Kulkarni Organics Private Limited.
3.	Clearance letter (s)/OM no. and date	:	File No. SEIAA Meeting No: 112 Meeting Date: July 27, 2017 (SEIAASTATEMENT-0000000373) SEIAA-MINUTES-0000000215 SEIAA-EC-0000000163, dated 9 <sup>th</sup> August 2017.
4.	Location	:	Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.
	(a) District	:	Pune.
	(b) State	:	Maharashtra
	(c) Latitude / Longitude	:	--
5.	(a) Address for correspondence	:	Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.
	(b) Address of Executive Project Engineer/ Manager (with pin code / Fax)	:	Mr. Uttam Kulkarni M/s. Kulkarni Organics Private Limited. Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.

6.	Salient Features		
	(a) Of the project	:	Refer Annexure 1-Project Details
	(b) Of Environmental Management Plans	:	Refer Annexure 1-Project Details
7.	Breakup of the project area		
	(a) Submergence area: forest & non forest.	:	Nil.
	(b) Others	:	The entire project area is non-agricultural land.
8.	Breakup of the project affected population with enumeration of those losing houses /dwelling units only, agricultural land only, both dwelling units & agricultural land & landless labourers /artisan.	:	The Proposed Project is located at the vacant land only clearing of small sized vegetation. Therefore, no population was dislocated or affected due to proposed Project.
	(a) SC, ST /Adivasis	:	Nil
	(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 and years of survey)	:	Nil
9.	Financial details		
	(a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	Project Cost (Planned)Rs.1.3 Crores
	(b) Allocation made for environmental management plans with item wise and year wise break-up.	:	<b>Attached Annexure – II</b>
	(c) Benefit cost ratio/Internal rate of Return and the year of assessment	:	Yet to finalise.
	(d) Whether (c) include the cost of environmental management as shown in the	:	Not applicable since (c) is yet to finalise.



	above.		
	(e) Actual expenditure incurred on the project so far	:	Yet to finalise.
	(f) Actual expenditure incurred on the environmental management plans so far	:	Yet to finalise.
10.	Forest land requirement.	:	There is no forest land involved.
	(a) The status of approval for diversion of forest land for non-forestry use	:	Not applicable
	(b) The status of clearing felling	:	Not applicable
	(c) The status of compensatory afforestation, if any	:	
	(d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	:	Not applicable
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	:	Nil
12.	Status of construction.	:	
	a) Date of commencement (Actual and/or planned)	:	Excavation Started: --
	b) Date of completion (Actual and/or planned)	:	--
13.	Reason for the delay if the project is yet to start.	:	--



14.	Dates of site visits	
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	: Monthly visited by MPCB Officer.
	(b) Date of site visit for this monitoring report	: August 2019 & November 2019.  (Environmental Monitoring report done by S A Encon Private Limited is Enclosed herewith)
15.	<p>Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits.</p> <p>(The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently.</p>	<p><b>Letter issued by MoEF:</b></p> <p><b>EC Letter:</b> File No. SEIAA Meeting No: 112 Meeting Date: July 27, 2017 (SEIAA STATEMENT-0000000373) SEIAA-MINUTES-0000000215 SEIAA-EC-0000000163, dated 9<sup>th</sup> August 2017.</p> <p><b>Consent to Establish:</b> ROP/E25/CC/ / PUNE/Pune-I/09/08, dated 15/05/2008.</p> <p><b>Consent to Operate:</b> Format 1.0/BO/AST/UAN No. 0000038918/O-1808000925, dated-23/08/2018.</p>



सत्यमेव जयते

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,  
Room No. 217, 2nd floor,  
Mantralaya, Annexe,  
Mumbai- 400 032.  
Date: August 9, 2017

To,  
**Mr. Uttam Kulkarni**  
at A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.

**Subject:** Environment Clearance for Industrial Project- Synthetic Organic Chemical Manufacturing unit  
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 th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 112th meetings.

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

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

1.Name of Project	M/s. Kulkarni Organics Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Uttam Kulkarni
4.Name of Consultant	SGM corporate Consultants Pvt Ltd, Pune
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.
9.Taluka	Daund
10.Village	Kurkumbh
11.Area of the project	In MIDC Area (MIDC Kurkumbh)
12.IOD/IOA/Concession/Plan Approval Number	MIDC plot possession letter has been obtained IOD/IOA/Concession/Plan Approval Number: Not Applicable Approved Built-up Area: 1011.858
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	3835.00 sq. m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): Not applicable



19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	13000000



# Government of Maharashtra

Shri Satish.M.Gavai (Member  
Secretary SEIAA)



## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2-(2-Chloro Ethoxy) Acetamide	0	0.25	0.25
2	4-Nitro Phenyl Ethyl Amine HCL	0	0.10	0.10
3	5-Methyl Nicotinic Acid	0	0.10	0.10

## 23. Total Water Requirement

Dry season:	Source of water	MIDC Kurkumbh
	Fresh water (CMD):	7.04
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	7.04
	Fire fighting - Underground water tank(CMD):	60
	Fire fighting - Overhead water tank(CMD):	5
	Excess treated water	1
Wet season:	Source of water	MIDC Kurkumbh
	Fresh water (CMD):	7.04
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD):	7.04
	Fire fighting - Underground water tank(CMD):	60
	Fire fighting - Overhead water tank(CMD):	5
	Excess treated water	1
Details of Swimming pool (If any)	Not applicable	



## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.54	0.54	0	0.10	0.10	0	0.43	0.43
Industrial Process	0	4	4	0	0.1	0.1	0	3.9	3.9
Cooling tower & thermopack	0	1.5	1.5	0	1.5	1.5	0	0	0
Gardening	0	1	1	0	1	1	0	0	0

### 25.Rain Water Harvesting (RWH)

Level of the Ground water table:	80-90 m
Size and no of RWH tank(s) and Quantity:	25 Cum, 1 No
Location of the RWH tank(s):	Ground
Quantity of recharge pits:	Not Applicable
Size of recharge pits :	Not Applicable
Budgetary allocation (Capital cost) :	3 Lacs
Budgetary allocation (O & M cost) :	0.5 Lacs
Details of UGT tanks if any :	Not Applicable

### 26.Storm water drainage

Natural water drainage pattern:	Through MIDC drain
Quantity of storm water:	7.09 Cum/sec
Size of SWD:	200 x 300 mm

### 27.Sewage and Waste water

Sewage generation in KLD:	0.43
STP technology:	Primary Treatment
Capacity of STP (CMD):	1 STP of 1 CMD
Location & area of the STP:	Ground
Budgetary allocation (Capital cost):	1.5 Lacs
Budgetary allocation (O & M cost):	0.5 Lacs/Annum



28.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	i) ETP - sludge: 0.15 TPM ii) Residues & MEE bottom waste: 0.25 TPM
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Not Applicable
	Wet waste:	Not Applicable
	Hazardous waste:	Hazardous waste will be Sent to CHWTSDF
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not Applicable
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

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## 29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	6.2	7.5	5.5-8.5
2	BOD	mg/lit	1500	<100	100
3	COD	mg/lit	5000	<250	250
4	TDS	mg/lit	5000	<100	100
Amount of effluent generation (CMD):		3.9			
Capacity of the ETP:		10			
Amount of treated effluent recycled :		2			
Amount of water send to the CETP:		NIL. Zero Liquid Discharge will achieved by the Industry.			
Membership of CETP (if require):		PP has obtained membership letter from CETP			
Note on ETP technology to be used		The ETP will comprise of Oil & Grease Trap, Collection cum Neutralization Tank, Primary Settling Tank, Aeration Tank, Secondary Settling Tank and Pressure Sand Filter. Multi Effect Evaporator of capacity of 2.5 M3/Day will be installed and Zero Liquid Discharge will be achieved.			
Disposal of the ETP sludge		ETP sludge & Bottom solid waste from MEE will be sent to CHWTSDF.			

**Government of  
Maharashtra**

30. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	33.2	TPM	0	0.15	0.15	CHWTSDF
2	Residues & MEE bottom waste	31.1	TPM	0	0.25	0.25	CHWTSDF

31. Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set	HSD - 6 litre/hr	1	3	0.1	75 degrees
2	LDO Boiler stack	LDO - 16 lit/hr	2	12	0.4	150 degrees
3	Agro waste/Solid Fuel Boiler stack	Agro waste/Solid Fuel- 40 Kgs/Hr	3	18	0.6m at ground level & 0.4 m at top-level	170 degrees

32. Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	0	16 lit/hr	16 lit/hr
2	HSD	0	6 Lit/hr	6 Lit/hr
3	Agrowaste/Solid Fuel	0	40 Kgs/Hr	40 Kgs/Hr

33. Source of Fuel	Local Vendor
34. Mode of Transportation of fuel to site	By Road

35. Energy	

Government of  
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<b>Power requirement:</b>	Source of power supply :	MSEB
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	60HP
	During Operation phase (Demand load):	80 HP
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Total No 1 X 30 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

### Energy saving by non-conventional method:

Solar for plant illumination

### 36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar for plant illumination	10 Tubes

### 37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not Applicable	Dust Collector
Water	Not Applicable	ETP & STP
Noise	Not Applicable	Acoustic enclosure
Solid Waste	Not Applicable	CHWTSDF

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10.0 lacs
	O & M cost:	2.0 lacs

### 38.Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

#### 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	Air Pollution Control	3.0	1.0



2	Water	Water Pollution Control	26.0	2.5
3	Noise	Noise Pollution Control	2.0	0.5
4	Environment Monitoring	Environment Monitoring	-	0.5
5	Occupational Health	Occupational Health	2.0	0.5
6	Green Belt	Green Belt	1.0	0.5
7	Rain Water Harvesting	Rain Water Harvesting	3.0	0.5
8	Solid waste management	Solid waste management	1.0	0.5
9	Solar for plant illumination	Solar for plant illumination	10.0	2.0

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Storage of chemicals	Separate Storage facility in the industrial area.	Separate Storage facility in the industrial area.	-	-	-	Local Vendor	By Road

### 40.Any Other Information

No Information Available

# Government of Maharashtra



	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	Not Applicable
	<b>Other Relevant Informations.</b>	<p>Zero Liquid Discharge:</p> <p>Kulkarni Organics Pvt Ltd will generate 3.9 CMD of Effluent per day. Out of which 1.25 CMD is not exactly effluent. It consists of reactor washings, floor washings and final washing of materials in centrifuge. 1.25 CMD of water will be used in cooling tower attached to MultiEffect Evaporator.</p> <p>Kulkarni Organics Pvt Ltd is setting up 2.5 CMD capacity MultiEffect Evaporator near boiler house along with solid fuel boiler (Agrowaste/Coal) of 600 Kgs/hr capacity.</p> <p>The whole system consist of above and 7.5 HP Jet Ejector, Cooling Tower, Pumps, Centrifuge &amp; Tanks required for effluent storage and distilled water storage.</p> <p>MultiEffect Evaporator is operated about 12 hours per day and all the effluent is evaporated using steam, vacuum, cooling tower and finally thick mass will be centrifuged. Solids will be collected and sent to Maharashtra Environ Power Ltd. and liquid is recirculated in MultiEffect Evaporator.</p>
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

3. The proposal has been considered by SEIAA in its 112th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

**Specific Conditions:**

**General Conditions:**

I	(i) PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.
III	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
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 achieve.
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	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.
XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XX	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.
XXI	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
XXII	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.
XXIII	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.
XXIV	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 <sub>2</sub> , NO <sub>x</sub> (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.
XXV	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.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.



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

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


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

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

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

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

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

  
Shri Satish M. Gavai (Member Secretary SEIAA)

**Copy to:**

1. SHRI ANAND. B. KULKARNI, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI JOHNY JOSEPH, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD.
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR



COMPLIANCE REPORT

EC No.	:	File No. ( SEIASTATEMENT-0000000373 )SEIAA-MINUTES-0000000215SEIAA-EC-0000000163, dated 9 <sup>th</sup> August 2017.
Project Name	:	M/s. Kulkarni Organics Pvt. Ltd.
Project location	:	A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.
Developers address	:	M/s. Kulkarni Organics Pvt. Ltd. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.

The proposal has been considered by SEIAA in its 112th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

**Specific Conditions:****General Conditions:**

Sr. No.	EC Conditions	Compliance Status
1.	PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	Noted & Complied.
2.	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	Noted & Complied.
3.	No additional land shall be used /acquired for any activity of the project without obtaining proper Permission.	Noted. Still don't have any plan for expansion. Hence if it is required, without obtaining proper permission no any additional land will be acquired.
4.	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Noted & Complied.
5.	Proper Housekeeping programmers shall be implemented.	Noted & Complied. All housekeeping worker gives the proper training before joining & regular training programs are arranged.
6.	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.	Noted & Complied.
7.	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Noted & Complied.



8.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Noted & Complied.
9.	Arrangement shall be made that effluent and storm water does not get mixed.	Noted & Complied.

10.	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.	Noted. In the company premises, there is no any bore well.
11.	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.	Noted & Complied. <ul style="list-style-type: none"> <li>• All DG are with acoustic enclosure.</li> <li>• Plantation are done within &amp; around the boundary area of company.</li> </ul> All peoples working in the industry are provided earplugs.
12.	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.	Noted & Complied. For noise reduction All DG are with acoustic enclosure. Plantation are done within & around the boundary area of company. Company maintain noise level below 75dB of day time & 70dB.
13.	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.	Noted & Complied. Almost 33% area of total plot area of the unit is covered by plantation with different plant species.
14.	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.	Noted & Complied.
15.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Noted & Complied. All the company workers are gone through health check up on regular basis.
16.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Noted & Complied.
17.	The project authorities must strictly comply with the rules and	Noted & Complied.

	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.	As company is member of MEPL, Ranjangaon, Pune, the generated hazardous waste is loaded on truck with all precautions and transfer to MEPL, Ranjangaon, pune for further treatment. Registration certificate of MEPL is enclosed.
18.	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.	Noted & Complied.
19.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Noted & Complied.
20.	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	Noted & Complied. EMP allocation is enclosed as annexure-II.
21.	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	Noted.
22.	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 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Noted & Complied. EC compliance report with all necessary document is submitted to MPCB.
23.	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.	Noted.
24.	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 <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectorial parameters,	Noted.



	Indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
25.	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.	Noted & Complied. EC compliance report with all necessary document is submitted to MoEF, Nagpur.
26.	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.	Noted & Complied. Last environment statement report submitted in September 2018. Next will be submitted before 30 <sup>th</sup> September 2019.
<b>OTHER CONDITIONS</b>		
1.	<b>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.</b>	Noted.
2.	<b>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.</b>	Noted.
3.	<b>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.</b>	Noted.
4.	<b>Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&amp;CC Notification dated 29th April, 2015.</b>	Noted.
5.	<b>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</b>	Noted.

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	protection measures required, if any.	
6.	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.	Noted.
7.	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.	Noted.



### AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO.</b>	SAEN/TR/19-20/03-20
	<b>DATED</b>	10/08/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/182 I
	<b>DATE OF SAMPLING</b>	03/08/2019
	<b>DATE OF ANALYSIS</b>	03/08/2019

#### RESULTS OF ANALYSIS

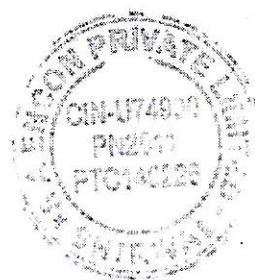
Sr. No.	DESCRIPTION	UNIT	RESULT	RESULT	NAAQS LIMITS
1.	Test Location	----	Near Main Gate		
2.	Sampling Duration	Hrs	8		
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	26		80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	31		80
5.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	25		100
6.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	20		60
7.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	60		180
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL		1.0
9.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL		04
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL		400
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL		05
12.	Benzo(a)Pyrene (BaP)	ng/m <sup>3</sup>	BDL		01
13.	Arsenic (As)	ng/m <sup>3</sup>	BDL		06
14.	Nickel(Ni)	ng/m <sup>3</sup>	BDL		20

**REMARK/OBSERVATIONS:** - NAAQS - National Ambient Air Quality Standards

**Remarks:** - Monitoring Results are well within the limits prescribed by MPCB.

**For S A Encon Private Limited**

  
**Authorized Signatory**



## AMBIENT NOISE MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO.</b>	SAEN/TR/19-20/03-21
	<b>DATED</b>	10/08/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/182 II
	<b>DATE OF SAMPLING</b>	03/08/2019
	<b>DATE OF ANALYSIS</b>	03/08/2019

### RESULTS (DAY TIME)

Sr. No.	TEST DESCRIPTION	UNIT	RESULT	LIMITS
1.	Near Main Gate	dB (A)	60	75
2.	Near Boiler Area	dB (A)	65	75
3.	Back Side Of Company	dB (A)	51	75
4.	Near DG	dB (A)	62	75

### RESULTS (NIGHT TIME)

Sr. No.	TEST DESCRIPTION	UNIT	RESULT	LIMITS
1.	Near Main Gate	dB (A)	46	70
2.	Near Boiler Area	dB (A)	61	70
3.	Back Side Of Company	dB (A)	44	70
4.	Near DG	dB (A)	49	70

**REMARK/OBSERVATIONS:** Monitoring results are well within the limits prescribed by MPCB.

**Limits\*** - Maharashtra Pollution Control Board has prescribed 75 dB (A) as an upper limit of Noise Level during day time & 70 dB (A) during night time.

Note: 1. Day time shall mean from 06:00 A.M. to 10:00 P.M.

2. Night time shall mean from 10:00 P.M. to 06:00 A.M.

For S A Encon Private Limited

Authorized Signatory





## SOURCE EMISSION MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO.</b>	SAEN/TR/19-20/03-22
	<b>DATED</b>	10/08/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/182 III
	<b>DATE OF SAMPLING</b>	03/08/2019
	<b>DATE OF ANALYSIS</b>	03/08/2019

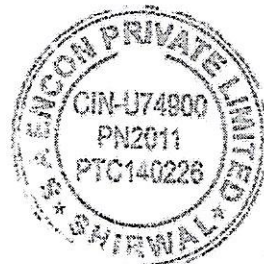
### RESULTS

Sr. No.	TEST DESCRIPTION	UNIT	RESULT			LIMITS
1.	Test Location	----	Boiler-I	Boiler-II	DG Set 40 KVA	
2.	Duration Of Sampling	Min	20	20	20	
3.	Attached To	----	----	----	----	
4.	Material Of Stack	----	MS	MS	MS	
5.	Dimensions	Mtr	0.38	0.38	0.02	
6.	Stack Height From G.L.	Mtr	18	18	3.5	
7.	Shape Of Stack	----	Round	Round	Round	
8.	Flue Gas Temperature	°C	110	112	54	
9.	Average Velocity	m/Sec	7.1	7.5	3.2	
10.	Type of Fuel	----	Coal/Bagasse	Solid Fuel	HSD	
11.	Consumption of Fuel	MT/Hr	4	0.6	6 Lit./hr.	
12.	Total Particulate Matter	mg/Nm <sup>3</sup>	30	31	15	80
13.	Sulphur Dioxide	Kg/day	16.01	18.1	2.1	650

**REMARK/OBSERVATIONS-** Monitoring results are well within the limits prescribed by MPCB.

For S A Encon Private Limited

Authorized Signatory



## WASTE WATER ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO</b>	SAEN/TR/19-20/03-23
	<b>DATED</b>	10/08/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/182 IV
	<b>DATE OF SAMPLING</b>	03/08/2019
	<b>DATE OF ANALYSIS</b>	03/08/2019

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Wastewater Sample	Vendor	Treated	ETP

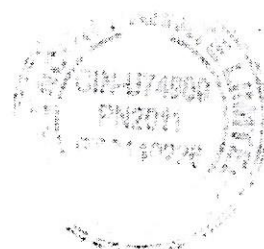
### RESULTS OF ANALYSIS

Sr. No.	DESCRIPTION	UNIT	RESULTS	LIMITS
1.	pH	--	7.5	5.5 - 9.0
2.	Suspended Solids	mg/l	Nil	100
3.	Total Dissolved Solids	mg/l	278	2100
4.	Chemical Oxygen Demand	mg/l	60	250
5.	Biochemical Oxygen Demand (27 degrees for 3 days)	mg/l	21	100
6.	Chloride	mg/l	Nil	600
7.	Sulphate	mg/l	Nil	1000
8.	Oil and Grease	mg/l	Nil	10

**REMARK/OBSERVATIONS-** Monitoring results are well within the limits prescribed by MPCB.

For S A Encon Private Limited

  
Authorized Signatory





## AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO.</b>	SAEN/TR/19-20/07-85
	<b>DATED</b>	13/11/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/301 I
	<b>DATE OF SAMPLING</b>	05/11/2019
	<b>DATE OF ANALYSIS</b>	05/11/2019


### RESULTS OF ANALYSIS

Sr. No.	DESCRIPTION	UNIT	RESULT	RESULT	NAAQS LIMITS
1.	Test Location	----	Near Main Gate		
2.	Sampling Duration	Hrs	8		
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	24		80
4.	Oxides of Nitrogen(NO <sub>2</sub> )	µg/m <sup>3</sup>	32		80
5.	Particulate Matter PM <sub>10</sub>	µg/m <sup>3</sup>	23		100
6.	Particulate Matter PM <sub>2.5</sub>	µg/m <sup>3</sup>	20		60
7.	Ozone(O <sub>3</sub> )	µg/m <sup>3</sup>	60		180
8.	Lead (Pb)	µg/m <sup>3</sup>	BDL		1.0
9.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL		04
10.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL		400
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	BDL		05
12.	Benzo(a)Pyrene (BaP)	ng/m <sup>3</sup>	BDL		01
13.	Arsenic (As)	ng/m <sup>3</sup>	BDL		06
14.	Nickel(Ni)	ng/m <sup>3</sup>	BDL		20

**REMARK/OBSERVATIONS:** - NAAQS - National Ambient Air Quality Standards

**Remarks:** - Monitoring Results are well within the limits prescribed by MPCB.

For S A Encon Private Limited

  
Authorized Signatory



## AMBIENT NOISE MONITORING ANALYSIS REPORT

CLIENT'S NAME & ADDRESS	REPORT NO.	SAEN/TR/19-20/07-86
M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	DATED	13/11/2019
	LAB REFERENCE NO	SAEN/19-20/301 II
	DATE OF SAMPLING	05/11/2019
	DATE OF ANALYSIS	05/11/2019

### RESULTS (DAY TIME)

Sr. No.	TEST DESCRIPTION	UNIT	RESULT	LIMITS
1.	Near Main Gate	dB (A)	59	75
2.	Near Boiler Area	dB (A)	62	75
3.	Back Side Of Company	dB (A)	50	75
4.	Near DG	dB (A)	60	75

### RESULTS (NIGHT TIME)

Sr. No.	TEST DESCRIPTION	UNIT	RESULT	LIMITS
1.	Near Main Gate	dB (A)	45	70
2.	Near Boiler Area	dB (A)	60	70
3.	Back Side Of Company	dB (A)	42	70
4.	Near DG	dB (A)	48	70

**REMARK/OBSERVATIONS:** Monitoring results are well within the limits prescribed by MPCB.

**Limits\*** - Maharashtra Pollution Control Board has prescribed 75 dB (A) as an upper limit of Noise Level during day time & 70 dB (A) during night time.

Note: 1. Day time shall mean from 06:00 A.M. to 10:00 P.M.

2. Night time shall mean from 10:00 P.M. to 06:00 A.M.

For S A Encon Private Limited

Authorized Signatory





## SOURCE EMISSION MONITORING ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO.</b>	SAEN/TR/19-20/07-87
	<b>DATED</b>	13/11/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/301 III
	<b>DATE OF SAMPLING</b>	05/11/2019
	<b>DATE OF ANALYSIS</b>	05/11/2019

### RESULTS

Sr. No.	TEST DESCRIPTION	UNIT	RESULT			LIMITS
1.	Test Location	----	Boiler-I	Boiler-II	DG Set 40 KVA	
2.	Duration Of Sampling	Min	20	20	20	
3.	Attached To	----	----	----	----	
4.	Material Of Stack	----	MS	MS	MS	
5.	Dimensions	Mtr	0.38	0.38	0.02	
6.	Stack Height From G.L.	Mtr	18	18	3.5	
7.	Shape Of Stack	----	Round	Round	Round	
8.	Flue Gas Temperature	°C	108	110	50	
9.	Average Velocity	m/Sec	7.2	7.1	3.1	
10.	Type of Fuel	----	Coal/Bagasse	Solid Fuel	HSD	
11.	Consumption of Fuel	MT/Hr	4	0.6	6 Lit./hr.	
12.	Total Particulate Matter	mg/Nm <sup>3</sup>	31	32	11	80
13.	Sulphur Dioxide	Kg/day	15.02	18.7	2.0	650

**REMARK/OBSERVATIONS-** Monitoring results are well within the limits prescribed by MPCB.

For S A Encon Private Limited

Authorized Signatory



## WASTE WATER ANALYSIS REPORT

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s. Kulkarni Organics Pvt. Ltd. Plot No. A-34/35, MIDC Kurkumbh, Tal. Daund, Dist. Pune	<b>REPORT NO</b>	SAEN/TR/19-20/07-88
	<b>DATED</b>	13/11/2019
	<b>LAB REFERENCE NO</b>	SAEN/19-20/301 IV
	<b>DATE OF SAMPLING</b>	05/11/2019
	<b>DATE OF ANALYSIS</b>	05/11/2019

<b>DETAILS OF SAMPLE</b>	<b>SAMPLE COLLECTED BY</b>	<b>NATURE</b>	<b>LOCATION</b>
Wastewater Sample	Vendor	Treated	ETP

RESULTS OF ANALYSIS				
Sr. No.	DESCRIPTION	UNIT	RESULTS	LIMITS
1.	pH	--	7.5	5.5 - 9.0
2.	Suspended Solids	mg/l	Nil	100
3.	Total Dissolved Solids	mg/l	208	2100
4.	Chemical Oxygen Demand	mg/l	58	250
5.	Biochemical Oxygen Demand (27 degrees for 3 days)	mg/l	20	100
6.	Chloride	mg/l	Nil	600
7.	Sulphate	mg/l	Nil	1000
8.	Oil and Grease	mg/l	Nil	10

**REMARK/OBSERVATIONS-** Monitoring results are well within the limits prescribed by MPCB.

For S A Encon Private Limited

Authorized Signatory





## ANNEXURE – I – Project Details

Private Limited is a Synthetic Organic Chemical Manufacturing unit at Plot No. A-  
Maharashtra.

Private Limited is a Synthetic Organic Chemical Manufacturing unit at Plot No. A-  
Maharashtra.

## 1.2 Project Proposal:

The proposed project has following features:

Sr. No.			Description		Details			
1.			Project Name	M/s. Kulkarni	ni Organics Private Limited			
2.			Type of project	Industrial Es	karni			
3.			Project Proponent	Mr. Uttam Ku	#/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.			
4.			Location	Plot No. A-34	n			
5.			Total Plot area	3835.00 sq. m				
6.			Total Built up Area	NA				
7.			Project Cost	Rs.1.3 Cr.				
8.			Product					
Name of Products, By products & Intermediate								
1.		2-(2-Chloro Ethoxy) Acetamide	Existing (MT/M)		Proposed (MT/M)	Total (MT/M)		
			0		0.25	0.25		
2.		4-Nitro Phenyl Ethyl Amine HCL	0		0.10	0.10		
3.		5-Methyl Nicotinic Acid	0		0.10	0.10		
		TOTAL	0		0.45	0.45		

10	Water Requirement	Dry Season	Source of Water	MIDC, Kurkumbh
			Fresh Water (CMD)	7.04
			Recycled Water - Flushing (CMD)	0
			Recycled Water - Gardening (CMD)	0
			Swimming pool makeup (CUM)	NA
			Total Water requirement (CMD)	7.04
			Fire Fighting - Underground Tank (CMD)	60
			Fire Fighting overhead Water tank (CMD)	5
			Excess treated Water	1
			Source of Water	MIDC, Kurkumbh
			Fresh Water (CMD)	7.04
			Recycled Water - Flushing (CMD)	0

[Type text]



	Wet Season	Recycled Water - Gardening (CMD)	0	
		Swimming pool makeup (CUM)	NA	
		Total Water requirement (CMD)	7.04	
		Fire Fighting - Underground Tank (CMD)	60	
		Fire Fighting overhead Water tank (CMD)	5	
		Excess treated Water	1	

11	Effluent Generation	Sewage Generation: 0.43 m <sup>3</sup> /day Industrial Effluent: 3.9 m <sup>3</sup> /day		
12	Capacity	Capacity of ETP: 10 m <sup>3</sup> /day Capacity of STP: 1 m <sup>3</sup> /day		
13	Rain Water Harvesting	1 RWH tank of capacity 25 m <sup>3</sup>		
14	Solid Waste Generation	Sr. No.	Source	Quantity (TPM)
		1.	33.2 ETP Sludge	0.15
		2.	31.1 Residues & MEE bottom waste	0.25

15	Green Belt Development					
16	Energy Requirement	<ul style="list-style-type: none"><li>• During Construction phase (Demand load): NA</li><li>• During Operation Phase (Demand load): 80 HP</li><li>• Transformer : NA</li><li>• DG Sets: 1 X 30KVA.</li></ul>				
17	Stack Emission Details					
Plant Section & Units						
		Stack No	Height from ground level (M)	Internal diameter (top) (M)	Emission rate	Temp. Of Exhaust
DG set		1	3	0.1	---	75°
LDO Boiler stack		2	12	0.4	---	150°
Agro waste/Solid Fuel Boiler stack		3	18	0.6 m at ground level & 0.4 m at top level	---	170°
18	Details of Pollution Control System					
Sr. No.	Source	Existing pollution Control System		Proposed to be Installed		
1.	STP	--		Conventional type STP		
2.	ETP	--		The ETP will comprise of Oil & Grease Trap, Collection cum Neutralization Tank, Primary Settling Tank, Aeration Tank, Secondary Settling Tank and Pressure Sand Filter. Multi Effect Evaporator of capacity of 2.5 M3/Day will be installed and Zero Liquid Discharge will be achieved.		
3.	DG sets	--		Acoustic Hood Provision		

[Type text]



18.	Environmental Management Plan	EMP Cost During Construction Phase: NA EMP During operation Phase: <ul style="list-style-type: none"><li>• Capital Cost : 48 Lakh</li><li>• O &amp; M Cost: 8.5 Lacs/Yr.</li></ul>
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## ENVIRONMENTAL MANAGEMENT PLAN

### AIR ENVIRONMENT

- Stack attached to the multi fuel boiler with stack height is 12 & 18 m.
- Use of sprinklers to suppress dust formation.
- Covered raw material.
- Regular water sprinkling.
- Plantation of trees around the site to reduce effects of air / noise pollution.
- Preventive maintenance of the internal roads.
- Adequate parking spaces.

### NOISE ENVIRONMENT

- Buffer in form of wall and tree plantation will be provided along the plot periphery.
- Smooth flow of traffic will be maintained by office staff to avoid idling of vehicles.
- DG Sets provided with acoustic enclosures meeting EPA norms.
- Preventive maintenance of fans, blowers, compressors.
- Sturdy foundations to control vibration.

### WATER ENVIRONMENT

- We are zero liquid discharge industry.
- Adequate size of Storm Water drains.
- Roof top rain water connected to rain water harvesting pits.
- After proper filtration, harvested rain water will be lead to the bore well for recharging ground water.
- Accumulation of stagnant water avoided to prevent breeding of mosquitoes.



**SOCIO-ECONOMIC DEVELOPMENT ACTIVITIES**

- Vocational training to educated unemployed youths.
- Local people shall be engaged to maintain the greenbelt, gardens, transportation, small construction etc.

**ENVIRONMENTAL SAFETY MEASURES**

There shall be regular medical checkup of the workers. Adequate safety precautions shall be exercised strictly for observing the safety norms. Protective equipment's shall be stocked and made available to the workers i.e.

- Industrial Safety Helmet.
- Crash Helmets.
- Face shield with replacement acrylic vision.
- Zero power goggles with cut type filters on both sides and blue colour glasses.
- Welders equipment for eye & face protection.
- Cylindrical type earplug.
- Ear muffs.
- Dust masks.
- Self contained breathing apparatus.
- Leather apron.
- Boiler suit.
- Safety belt/line man's safety belt.
- Leather hand gloves.
- Canvas cum leather hand gloves with leather palm.
- Industrial safety shoes.

---

### **RISK MANAGEMENT**

- Raw material will be separately stored in covered area and solvent will be stored in under nitrogen gas blanketed storage tank as per the norms and safety rules of chief controller of explosive, Nagpur.
- All around the plant fire extinguisher and sand buckets will be provided.

### **EMERGENCY PREPAREDNESS PLAN**

#### **ONSITE EMERGENCY PLAN**

- Risk Assessment study has been conducted taking preview of all hazards.
- Training sessions and Awareness Programs.
- Mock Drills and Emergency evacuation.
- Establishment of primary and secondary control centers.
- Periodic checking & maintenance of all equipment.

#### **OFFSITE EMERGENCY PLAN**

- Close co-ordination with the local authorities and organizations.
- Booklets circulation in the local languages.
- Yearly awareness program.
- Display of details about the pollutants and possible hazards.
- Alert Warning systems.
- Wind direction indicators at strategic locations.



## Annexure - II

### ALLOCATION MADE FOR ENVIRONMENTAL MANAGEMENT PLANS

#### A) Construction Phase (With Break-up)

Sr. No.	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1.	NA	NA	NA

#### B) Operation Phase (With Break-Up)

Sr. No.	Component	Description	Capital Cost Rs. In Lacs	Operational and Maintenance cost (Rs. In Lacs/Yr.)
1.	Air	Air Pollution Control	3.0	1.0
2.	Water	Water Pollution Control	26.0	2.5
3.	Noise	Noise Pollution Control	2.0	0.5
4.	Environment Monitoring	Environment Monitoring	--	0.5
5.	Occupational Health	Occupational Health	2.0	0.5
6.	Green Belt	Green Belt	1.0	0.5
7.	Rain Water Harvesting	Rain Water Harvesting	3.0	0.5
8.	Solid waste Management	Solid waste management	1.0	0.5
9.	Solar for plant illumination	Solar for plant illumination	10	2.0
<b>TOTAL</b>			<b>48</b>	<b>8.5</b>



# MAHARASHTRA POLLUTION CONTROL BOARD

## REGIONAL OFFICE PUNE

Phone - (020) 25811 694  
Fax - (020) 2581 1029  
Gram - Prepoll



3<sup>rd</sup> Floor, "Jog Center"  
Wakadewadi Mumbai-Pune Road,  
Pune - 411003.

Cat. :- RED/SSI

Date : 15/05/08

Consent No. : ROP/E-25/CC/ /PUNE/ Pune-2/09/08

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) Rules 1989 and Amendment Rules thereto.

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

CONSENT is hereby granted to  
M/s. Kulkarni Organics Pvt. Ltd.  
A - 34 & 35, MIDC, Kurkumbh,  
Tal :- Daund.  
Dist:- Pune.

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
2. The Consent is valid for the manufacture of -

<u>Sr.No.</u>	<u>Product</u>	<u>Maximum Quantity</u>
1.	2 - Benzilidine Iso Butryl Acetanilide (BIBA)	800 Kg/M.
2.	2-(2-Chloro Ethoxy) Acetamide (Industry should have solvent recovery system)	600 Kg/M.

### 3. CONDITIONS UNDER WATER ACT :

- (i) The daily quantity of trade effluent from the factory shall be **0.9 M<sup>3</sup>**.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **0.3 M<sup>3</sup>**.
- (iii) **Trade Effluent Treatment** : The applicant shall provide comprehensive treatment system considering of primary/secondary / and or tertiary treatment as is warranted with reference to influent quality & operate maintain the same continuously so to achieve the quality of the treated effluent to the following standards

*Zundhe*



1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3days 27 Deg. C.	Not to exceed	100 mg/l.
4)	COD	Not to exceed	250 mg/l.
5)	Oil & Grease	Not to exceed	10 mg/l.
6)	TDS	Not to exceed	2100 mg/l.
7)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.

(iv) **Trade Effluent Disposal :** The trade effluent shall be recycle to the maximum extent and remaining shall be discharged on land gardening and irrigation

(v) **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 27° 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 :**

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
Dilute spent Nitric acid (15%)	600 Lit/M	----	By sale

(viii) **Other conditions :** The industry shall 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 Rules thereunder:

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

(i) Domestic	...	0.5 CMD
(ii) Industrial Processing	...	1.2 CMD
(iii) Industrial Cooling	...	— CMD
(iv) Agriculture/Gardening	...	3.0 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 :



**Control Equipment :**

Dust collector of adequate capacity shall be provided to all sources of SPM/TPM and shall be operated properly.

**Standards for Emissions of Air Pollutants :**

(i)	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub>	Not to exceed	30 Kg/Day.

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	LDO	6.0 Lit/hr.

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

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	Boiler	12 Mtrs
2.	D.G. Set	2.5 Mtrs (above the roof)

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.

(v) **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 HW (M&H) RULES, 1989 & AMENDMENT RULES :**

(i) The applicant shall handle hazardous wastes as specified below:

Sr. no.	Item No. of Process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
1	34.3	ETP Sludge	20 Kg/M,	Resued in Process
2	20.3	Process Sludge	50 Kg/M.	
3	20.2	Spent solvent washed & redistilled	1000 Lit/M.	

(ii) **Treatment :**



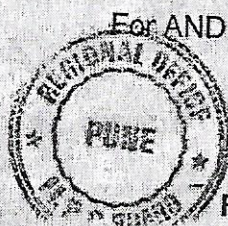
(iii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

7. 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.

8. The applicant shall comply with the conditions as stipulated under Annexure - I & II enclosed.

9. Capital Investment is  
Rs. 90.0 Lacs



For AND ON BEHALF OF M.P.C. BOARD

*(Signature)*  
(V. N. MUNDHE)  
REGIONAL OFFICER,  
PUNE

14.05.2008

(When consent issuing authority is other than Member Secretary, State)

Name : Shri. V. N. Mundhe

Designation : Regional Officer

Office Address : 3<sup>rd</sup> Floor, Jog Center, Wakadewadi Mumbai-Pune Road, Pune - 03.

To,  
M/s. Kulkarni Organics Pvt. Ltd.  
A - 34 & 35, MIDC, Kurkumbh,  
Tal :- Daund.  
Dist:- Pune.

Copy to:

- 1) Regional Officer, MPCB, Pune.
- 2) Sub-Regional Officer, MPCB, Pune - I
- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Rs.	Amount	D.D.No.	Date	Drawn on
	3000/-	929611	30.01.08	S.B.I

4] Cess Branch, MPCB.

5] Master file.



# MAHARASHTRA POLLUTION CONTROL BOARD

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



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

Red/SSI

Date: 23/8/2018

Consent No: Format 1.0/BO/AST/UAN No. 0000038918/O-1808000925

To,  
M/s. Kulkarni Organics Pvt. Ltd.,  
Plot No. A-34/35, MIDC Kurkumbh,  
Tal: - Daund, Dist. Pune.

Sub: Consent to Operate in Red/SSI Category.

Ref: 1. Consent to Establish granted vide no. ROP/E-25/CC/PUNE/Pune-  
I/09/08 dtd. 15.05.2007 which was valid up to commissioning of the  
unit.

Your Application: - MPCB-CONSENT-0000038918

Dated: 29.12.2017.

For 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 6 of the Hazardous & Other Wastes (M & 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 is granted for a period up to 31.05.2023.
2. The capital investment of the industry is 1.30 Cr. as per C.A. certificate submitted by the Industry.
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1.	2-(2Chloro Ethoxy) Acetamide	250	Kg/M
2.	5-Methyl Nicotinic Acid	100	Kg/M
3.	4-Nitrophenyl Ethyl Aamine	100	Kg/M
4.	Nitric Acid (Repacking activity only)	10,000	Ltr/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	0.9	As per Schedule I	Zero Liquid Discharge
2.	Domestic effluent	0.8	As per Schedule I	On land gardening

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.	D.G. Set (40 KVA)	1	As per Schedule - II
3.	Boiler	1	As per Schedule - II



6. Conditions under Non Hazardous Solid Wastes for treatment and disposal of hazardous waste:

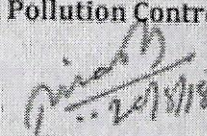
Sr. no.	Type of Waste	Quantity	UOM	Disposal
1.	Boiler Ash	2	MT/M	Sale to Brick Mfrs.
2.	Salt	500	Kg/M	Sale to Party
3.	MNO2	2	MT/M	Sale to Party

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

Sr. no.	Type of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	Sludge from treatment of waste water	33.2	0.25	Kg/M	---	CHWTSDF
2.	Chemical sludge from waste water treatment	34.3	0.15	Kg/M	---	CHWTSDF

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 industry shall not manufacture additional products or carry out extra production without obtaining prior permission of the Board.
11. Industry shall comply the conditions as per Environment Clearance dtd. 09.08.2017.
12. This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.

For and on behalf of the  
Maharashtra Pollution Control Board

  
(P. K. Mirashe)  
Asst. Secretary (Tech.)

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1.	15,000/-	124009	02.01.2018	State Bank Of India
2.	30,000/-	124018	10.01.2018	State Bank of India
3.	60,000/-	124086	09.03.2018	State Bank of India

Copy to:

1. Regional Officer - MPCB Pune and Sub-Regional Officer - Pune-I,  
- They are directed to ensure the compliance of the consent conditions
2. Chief Accounts Officer, MPCB, Mumbai.



### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity to 5 CMD consisting of primary & tertiary level treatment for the treatment of 0.9 CMD of industrial effluent followed by RO, MEE to achieve Zero Liquid Discharge.
- B] The effluent generated from your activity shall be treated in comprehensive Effluent Treatment Plant (ETP) consisting of primary, secondary and tertiary treatment and the treated effluent shall be used into the system for cooling tower and boiler to achieve "Zero Liquid Discharge".

C] Industry shall provide online monitoring system viz. IP camera and flow meter for ensuring recycling and ZLD and its connectivity to MPCB server.

- 2) A] As per your consent application, you have provided the septic tank followed by soak pit for the treatment sewage. Overflow, if any shall be applied on land for gardening purpose within premise.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1) Suspended Solids. Not to exceed 100 mg/l.

(2) BOD 3 days 27°C. Not to exceed 30 mg/l.

C] The treated domestic effluent shall be used for gardening/plantation purpose within premises. There shall not be any discharge outside the factory premises.

- 3) 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) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I 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	1.2
2.	Domestic purpose	0.5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0
5.	Others: i) Gardening	3.0

- 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:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO <sub>2</sub> Kg/Day
1.	Boiler	Dust Collector	18	Coal / Bagasse	4 MT/Hr.	960
2.	D.G. Set (40 KVA)	Acoustic enclosure	3.5*	HSD	6 Ltr/Hr	14.4
3.	Boiler	Stack	18	Solid Fuel	600 Kg/Hr.	350

(\* - above roof level)

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

Particulate matter	Not to exceed	80 mg/Nm <sup>3</sup> .
SO <sub>2</sub>	Not to exceed	650 Kg/day

3. The applicant shall provide specific Air Pollution control equipment's as per the conditions of EP Act, 1986 and rule made there under from time to time/Environmental Clearance/CREP guidelines.
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. 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.	Bank Guarantee (C to E/O/R)	Amt. of BG imposed (existing)	Submission period	Purpose of BG	Compliance period	Validity period
1.	C to O	1 Lakh	New	Towards compliance of the Consent conditions	Upto 15/07/2018	Upto 31/05/2023



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) 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.
- 3) 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 equipment's, the production process connected to it shall be stopped.
- 4) 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.
- 5) The firm shall submit to this office, the 30<sup>th</sup> 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.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW & other waste(M&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.
- 7) The industry should comply with the Hazardous and other Waste (MH & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and other Waste (MH & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) The applicant shall made an application for renewal of consent to operate well before 60 days before expiry of existing consent.
- 10) 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](http://www.mpcb.gov.in)).
- 11) 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.
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.
- 15) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 16) 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.
- 17) The industry should not cause any nuisance in surrounding area.
  - 18) 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.
  - 19) The applicant shall maintain good housekeeping.
  - 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
  - 21) 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.
  - 22) 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 equipment's 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.
  - 23) 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.
  - 24) 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).
  - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
  - 27) 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.

*Amish*



## PROJECT STATUS REPORT

### BACKGROUND

EC No.	:	File No. SEIAA Meeting No: 112 Meeting Date: July 27, 2017 (SEIAA STATEMENT-0000000373) SEIAA-MINUTES-0000000215 SEIAA-EC-0000000163, dated 9 <sup>th</sup> August 2017.
Project Name	:	Compliance report for Industrial Project- Synthetic Organic Chemical Manufacturing unit, by M/s. Kulkarni Organics Pvt. Ltd.,
Project location	:	Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.
Developer name	:	M/s. Kulkarni Organics Private Limited.
Developer address	:	M/s. Kulkarni Organics Private Limited. Plot No. A-34/35 MIDC Kurkumbh, Tehsil-Daund, District- Pune, Maharashtra.

### PROJECT STATUS

Sr. No.	Status Updated on	20.12.2019
1.	Excavation details	100 % Work is completed.
Construction Details : -		
1.	Storage house for Raw Material	100 % Work is completed.
2.	ETP	100 % Work is completed.
3.	RWH	Work not yet started.
4.	Storage house for finished product	100 % Work is completed.
5.	Office	100 % Work is completed.
6.	Lab and R & D	100 % Work is completed.
7.	Storm water drains	100 % Work is completed.
8.	Internal Road	100 % Work is completed.
9.	Solid waste facility	Storage is 100 % completed.
10.	Gardening & Landscaping	100 % Work is completed.

Place - Kurkumbh MIDC, Pune