

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No.SIA/MH/IND2/130004/2019
Environment Department
Room No. 217, 2nd Floor,
Mantralaya,
Mumbai- 400032.
Date- 31.03.2020

To
M/s.CLEAN SCIENCE &
TECHNOLOGY PVT. LTD.,
Plot No.: D-26/3, MIDC Kurkumbh,
Dist. Pune

Subject : Environmental Clearance for Synthetic Organic Chemicals Plant of Clean Science & Technology Pvt. Ltd. at Plot No.: D-26/3, MIDC Kurkumbh, Dist. Pune by M/s.CLEAN SCIENCE & TECHNOLOGY PVT. LTD.

Reference : Application no. SIA/MH/IND2/130004/2019

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 175th meeting under screening category 5 (f) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 187th meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

- PP submitted proposal for the grant of Amendment in their Environmental Clearance No. SEAC-EC-0000000174 dated 16.02.2018.
- The changes required in the EC based on factual requirement are addition of one boiler of 6 TPH capacity and Thermopack of 8 Lakhs Kcal/Hr. capacity in addition to the existing 15 TPH boiler and 1- Lakh Kcal/Hr. Thermic Fluid Heater.
- Impact on water consumption and waste water generation:
 - It was observed that, the total water requirement after amendment in the EC as proposed by PP will be 825 CMD against existing 540 CMD. The total effluent generation will be 189 CMD against existing 171 CMD. PP has installed Zero Liquid Discharge Effluent Treatment Plant.
 - The increase in the water consumption is mainly due to increased capacity of the boiler , thermopack and ancillary utilities like cooling tower.
 - The water required for additional 6 TPH boiler will be 20 CMD and waste water generation in the form of blow down will be 8 CMD.
 - To make up with the additional capacity of boiler PP proposes to install 1500 TR & 200 TR capacity coiling tower which will require 265 CMD water and will generate 10 CMD waste water.
 - Thus, the total water increase due to proposed amendment will be 285 CMD and waste water generation will be 18 CMD.
- Impact on Fuel Consumption:
 - PP will use briquette as a fuel to the boiler and thermopack instead of coal. The requirement of briquette for proposed 6 TPH boiler will be 20 T/Day. PP proposes to

provide 30 m. height boiler stack along with the provision of multi cyclone and bag filter as air pollution control equipment.

- The proposed briquette requirement for 8 Lakh Kcal/Hr thermo pack will be 8 T/Day. PP proposes to provide 30 m. height of boiler stack along with the provision of multi cyclone and bag filter as air pollution control equipment.
- The ash content of briquettes is 1.5%. The total briquette consumption will be 29 T/Day generating 155 TPA ash which will be disposed at the brick manufacturer site after executing the agreement.

➤ PP also committed that, there will be no changes in the manufacturing quantities, products and other parameters as granted vide earlier EC No. SEAC-EC-0000000174 dated 16.02.2018.

Sr No.	Project cost	In existing EC	Amendment required in EC
1.	Project cost	70.00 Crs.	78.75 Crs.
2.	EMP cost	188.00 Crs.	216.00 Crs.
Utilities			
	Utilities	In existing EC	Amendment required in EC
3.	Boiler	No capacity & numbers mentioned in EC fuel - coal Quantity - not mentioned stack height – 30.5 M	Two numbers of Boilers with capacity- 15 TPH & 6 TPH fuel – Coal / Briquette Quantity - 55 TPD for 15 TPH & 22 TPD for 6 TPH stack height – 40 M for 15 TPH & 30 M for 6 TPH
4.	Thermopack	Capacity & numbers are not mentioned in EC fuel - coal Quantity - not mentioned stack height – 30 M	2 Nos. of Thermopack with capacity 10 Kcal/Hr & 8 K cal/Hr. fuel - coal / Briquette Quantity – 10 TPD for 10 Kcal/Hr & 8 TPD for 8 K cal/Hr stack height – 30 M combined stack for both Thermopack
5.	D.G. Set	Capacity - 750 KVA x 1 no. fuel - HSD Quantity - not mentioned stack height – 5.5 M	2 no. of DG set with Capacity 750 KVA & 1500 KVA fuel - HSD Quantity – 162 Lit/Hr for 750 KVA & 336 Lit/Hr for 1500 KVA stack height – 5.5 M & 7.8 M above enclosure
Hazardous waste			
	Hazardous waste	In existing EC	Amendment required in EC
6.	ETP Sludge	5 TPM	1750 TPA
7.	Distillation residue	3 TPM	45 TPA - It will be used as fuel for boilers.
8.	Spent carbon from ETP	Not Mentioned	29 TPA
9.	Used / Spent oil	Not Mentioned	1000 Lit/A
10.	MEE salt	Not Mentioned	75 TPA
Non Hazardous waste			
	Non Hazardous waste	In existing EC	Amendment required in EC
11.	Packing material &	200 Kg/M	6 TPA

	plastic waste		
12.	Boiler ash	2 TPD	1875 TPA
13.	Liners/PPE	Not Mentioned	1 TPA
14.	Discarded container/barrels	200 No/M.	2400 Nos./A
	Water requirement	In existing EC	Amendment required in EC
15.	Net fresh water requirement	540 CMD	825 CMD
	Effluent generation	In existing EC	Amendment required in EC
16.	Total effluent	172 CMD	189 CMD

3. The proposal has been considered by SEIAA in its 187th meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

- I. PP to obtain revised permission from MIDC for fresh water supply.
- II. PP to ensure Zero Liquid Discharge effluent treatment plan.
- III. PP to make an agreement with the brick manufactures so as to ensure scientific disposal of ash generated on site. No ash be dumped anywhere without permission of the competent Authority.
- IV. The conditions stipulated in the earlier EC are unchanged; PP to ensure its compliance; if at any point of time any non-compliance is observed the amendment granted will be automatically deemed as rejected.
- V. PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector
- VI. PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.

General Conditions:

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

- X. Noise level shall be **maintained** as per standards. For people working in the high noise area, requisite personal **protective** equipment like earplugs etc. shall be provided.
- XI. The overall noise levels in and around the plant are shall be kept well within the standards by providing noise **control** measures including acoustic hoods, silencers, enclosures, etc. on **all** sources of noise **generation**. The ambient noise levels shall conform to the standards prescribed under Environment (**Protection**) Act, 1986 Rules, 1989.
- XII. Green belt shall be **developed & maintained** around the plant periphery. Green Belt Development shall be **carried out** considering CPCB guidelines including selection of plant species and in **consultation** with the local DFO/ Agriculture Dept.
- XIII. Adequate safety **measures** shall be provided to limit the risk zone within the plant boundary, in case of an accident. **Leak** detection devices shall also be installed at strategic places for early detection and warning.
- XIV. Occupational health **surveillance** of the workers shall be done on a regular basis and record maintained as per **Factories Act**. XV (The company shall make the arrangement for protection of possible fire **hazards** during manufacturing process in material handling.
- XV. 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.
- XVI. 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.
- XVII. A separate **environment** management cell with qualified staff shall be set up for implementation of the **stipulated** environmental safeguards.
- XVIII. 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.
- XIX. 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://parivesh.nic.in>.
- XX. 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.
- XXI. 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**.
- XXII. 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.

XXIII. 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.

XXIV. 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, amended time to time.

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

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

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


Anil Diggikar
(Member Secretary, SEIAA)

Copy to:

1. Shri Johny Joseph, Chairman, SEIAA.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Pune.
7. Regional Officer, Maharashtra Pollution Control Board, Pune.