

F. No. 10-26/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi - 110003

Date: 21st March, 2018

To,

Shri Naveen, Partner
M/s E Nano Incintech,
342 B, 2nd Phase, Harohalli Industrial Area,
Kanakpura Taluk., District Ramanagara, Karnataka- 562112

E-mail: enanoincintech@gmail.com

Subject: Proposed Expansion of Common Integrated Incineration Facility at Plot No. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka by M/s E Nano Incintech - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/KA/MIS/62543/2017 dated 10th November, 2017, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. Earlier, Environmental Clearance has been granted to the project 'Environmental Clearance for Common Hazardous Waste Incinerator Facility at 342 B, 2nd phase, Harohalli Industrial Area, Kanakpura Taluk, Ramanagara District, Karnataka by M/s E-Nano Incintech' vide EC letter No. 10-88/2010-IA-III dated 10th May, 2012.

3. The proposal for grant of environmental clearance to the project 'Proposed Expansion of Common Integrated Incineration Facility at Plot No. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka promoted by M/s E Nano Incintech' was considered by the Expert Appraisal Committee (Infra-2) in its meetings held on 14-15 December, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:

- (i) The proposal is for proposed expansion of Common Hazardous Waste Incineration facility at plot no. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakpura Taluk, Ramanagara District, Karnataka. (Increasing the operational hours by keeping the installed incinerator capacity same).
- (ii) Proposed project is only an expansion proposal i.e., increasing the operational hours 8 hours/ day to 16 hours/day and capacity will be increase from 1200 MTA to 2400 MTA. Without increase in pollution load, total area of the project is 4043 sqm, project components remain same as per previous EC. Project site is located within notified industrial area and hence has well connected with NH and SH.
- (iii) ToR was granted to the project by MoEFCC vide letter 10-26/2017-IA-III dated

10th August 2017.

- (iv) Water requirement for the proposed expansion is 2 KLD and met from KIADB. There is no increase in water requirement.
- (v) The domestic water consumption is 0.9 KLD and wastewater generation is 0.7 KLD & is disposed to septic tank followed by soak pit, and 0.7 KLD of water is utilized for industrial use for scrubber spraying and the effluent generated from scrubber is disposed to CETP of M/s. Pai & Pai Chemicals located at Kumbalagodu Industrial Area. Industrial effluent will be neutralized and sent to Common Effluent Treatment Plant (CETP) for further treatment and disposal.
- (vi) Hazardous Waste Management will be as follows:

S. No.	Type of Hazardous Waste	Quantity		Source	Waste Management Details Reuse/Recycle/Disposal
		Existing	After Amendment		
1	Used/Spent oil	0.1 KL/A	0.1 KL/A	Prime Movers	Reuse in plant for lubrication and/or Selling to authorized processor.
2	Incineration ash	100 MT/A	200 MT/A	Incinerator	Incineration ash is disposed to SPCB authorized secured landfill cell in Bangalore

(vii) Investment/Cost of the project is Rs.3.1655 Crore.

(viii) Employment potential: 42 Nos.

(ix) Benefits of the project: Scientific disposal of hazardous waste, Minimization of environmental impact, Industrial growth and illegal dumping of hazardous waste can be controlled.

4. The EAC, in its meeting held on 14-15 December, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project Affordable Housing Project 'Proposed Expansion of Common Integrated Incineration Facility at Plot No. 342 B, 2nd Phase, Harohalli Industrial Area, Kanakapura Taluk, Ramanagara District, Karnataka promoted by M/s E Nano Incintech, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i) No objection Certificate from the State Pollution Control Board shall be obtained before initiating the project.
- (ii) The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
- (iii) No ground water shall be used.
- (iv) The TSDF should only handle the waste generated from the member units.

- (v) As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bagfilter/ESP for removal of particulate matter; ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator. Online pollutant monitoring shall be provided as per CPCB guidelines for monitoring particulate matter, SO₂, NO_x and CO from the incinerator stack. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out.
- (vi) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.
- (vii) The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
- (viii) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
- (ix) Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- (x) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xi) Solid hazardous process waste shall be disposed at approved landfill site. No waste shall be land filled on-site.
- (xii) Environmental Monitoring Programme shall be implemented as per EIA report and guidelines prescribed by CPCB for hazardous waste facilities. Periodical ground water/soil monitoring to check the contamination in and around the site shall be carried out.
- (xiii) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xiv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xv) No non hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
- (xvi) Project Proponent shall develop green belt with native plant species that are significant and used for the pollution abatement. At least 10 m thick greenbelt shall be developed in the periphery of hazardous waste facility.
- (xvii) Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorisation under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 to prevent unwanted access.

- (xviii) Pre medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xix) Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or non sudden release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- (xx) Rain water runoff from hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxi) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/GPCB.


PART B - GENERAL CONDITIONS

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Bangalore who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Bangalore.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be

made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bangalore.


- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body 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.
- (xi) 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&CC, 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 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.
- (xii) 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&CC by e-mail.

5. This issues with the approval of the Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) Secretary to Government (Environment and Ecology), Forest, Environment and Ecology Department, Karnataka Government Secretariat, M. S. Building, Bangalore-560001.
- 2) Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bengaluru-560034.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Karnataka State Pollution Control Board, "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore-560001.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.


(Kushal Vashist)
Director