



No. J-13012/09/2008-IA.I(T)
Government of India
Ministry of Environment, Forest and Climate Change

3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 04.09.2019

Office Order

Sub: 16 MW Municipal Solid Waste based Power Plant (Waste to Energy) at NDMC Compost Plant Site, Near Okhla STP, Okhla, New Delhi by M/s Timarpur Okhla Waste Management Company Pvt. Ltd. - reg. Directions under Section 5 of Environment (Protection) Act, 1986.

The Environmental Clearance for generating 16 MW Power with Refuse Derived Fuel quantity of 600-720 Tons/Day has been accorded vide Ministry's letters dated 21.3.2007 and 9.5.2007.

2. As per the Environmental Clearance (EC) dated 21.3.2007, mixed Municipal Solid Waste (MSW) processing units of 2x650 Tonnes per day (TPD) at Okhla and 1x650 TPD at Timarpur have been proposed to produce 3x225 TPD of Refuse Derived Fuel (RDF) fluff.

3. The Waste to Energy power plant based on Incineration Technology to use 600-720 TPD RDF fluff for generating 16 MW Power has also been proposed as per the Environmental Clearance dated 21.3.2007. A single boiler of 80 TPH steam generation with pressure and temperature of 42 bar and 415 °C, respectively was planned to set up for generation of 16 MW Power. Water for potable purpose would be taken from Delhi Jal Board and the water for plant purposes will be taken from treated Sewage Water located adjacent to the proposed project. A single stack of 60 m height would be provided for dispersal of flue gases.

4. Representations were received from residents of Sukhdev Vihar Residential Colony vide dated 14.10.2018 and 12.11.2018 in the Ministry that the Waste to Energy power plant is not complying with the environmental pollution standards, not inline with the original proposal as envisaged in the Environmental Impact Assessment Report and expansion activities are being taken place by the Project Proponent.

5. The Ministry vide Office Order dated 20.11.2018 constituted a sub-committee for conducting the site visit and submitting the factual report. The sub-committee inspected the Power Plant site at Okhla on 15.12.2018 and submitted its site visit report to the Ministry.

6. An online application dated 25.1.2019 has also been submitted to the Ministry by the Project Proponent for amendment of Environmental Clearance for power generation capacity from existing 16 MW to 23 MW without increasing the waste feed to

the boilers as per the Environmental Clearances issued vide dated 21.03.2007 and 09.05.2007.

7. The Ministry has taken cognizance prima facie of the increase in waste throughput to the incinerators leading to in the pollution load, increase in power generation, construction of new chimney without prior permission, failure to set up Bio-methanation plant at Okhla and RDF plant at Timarpur are non-compliances of the Environmental Clearance dated 21.3.2007 and its conditions.

8. A Notice vide Order dated 16.4.2019 was issued to show cause why the EC accorded to M/s Timarpur Okhla Waste Management Company Pvt. Ltd. vide letter No. J-23-1/2006-IA.III dated 21.3.2007 should not be kept in abeyance. The reply has been submitted to the show-cause notice vide dated 3.5.2019 and the project proponent sought for an opportunity and requested for personal hearing.

9. A personal hearing has been held in the Ministry to hear the submissions made by M/s Timarpur Okhla Waste Management Company Pvt. Ltd. Subsequently, M/s Timarpur Okhla Waste Management Company Pvt. Ltd. have furnished clarifications vide letter dated 25.6.2019.

i. As per the EC, only one boiler/incinerator was envisaged with a capacity of 750 MT/Day. Whereas, Project Proponent has installed three boilers with a capacity of 3x450 MT/day.

ii. The capacity of the waste to energy power plant has been increased as against the Environmental Clearance as per the following:

a. Increasing the power generation of 20 MW as against 16 MW, approved under Environmental Clearance;

b. Increasing the total unsegregated waste handling at Okhla to 2000 TPD as against approved quantity of 1525 TPD (2x650 TPD Unsegregated waste at Okhla & 225 TPD RDF fluff from Timarpur).

iii. A new stack has been constructed at the site. The Ministry should have been informed before initiating the construction of new stack.

10. The Project Proponent has accepted the following violations/developments at the site:

i. The MSW handling permitted at two locations, namely Okhla and Timarpur, have been consolidated at one location- Okhla. This has resulted in a larger transportation/collection/segregation of MSW that what was permitted.

ii. The power generated has been exceeding the permitted capacity of 16 MW continuously since 2015. Hence, a higher volume of RDF has been processed with consequent higher emissions.

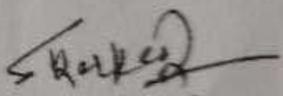
iii. Several related equipment such as storage/pre-segregation/processing facility, grate incinerators, steam flow and heating equipment, air cooled condenser system, turbine & generator, construction of chimneys, air pollution control

equipment, leachate treatment systems have been augmented to meet the additional MSW load.

NOW, THEREFORE, the Competent Authority has approved for directing /s Timarpur Okhla Waste Management Company Pvt. Ltd. for the following compliance:

- i. Ecological damage assessment and remediation plan for increasing the quantity of waste incineration to 1500 TPD as against the approved quantity of 750 TPD under Environmental Clearance, will be undertaken by Central Pollution Control Board (CPCB). The compensation as decided in the remediation plan shall be deposited with the CPCB and would be used for restoration of natural resources and pollution control measures in the project affected area.
- ii. As regard the amendment to the earlier Environmental Clearance for increasing the power generation from existing 16 MW to 23 MW, it may be considered only after the above direction has been complied with.
- iii. Dioxins and Furans from the flue gas are to be monitored once in a month and submit the emission data to the Ministry, CPCB, DPCC and Ministry's Regional Office including uploading the emission data on the company's website.

This issues with the approval of the Competent Authority.


(Dr. S. Kerketta)
Director, IA.I

M/s Timarpur Okhla Waste Management Company Pvt. Ltd.

Old NDMC Compost Plant, Behind CRRI,
Mathura Road, New Delhi- 110025.

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Ministry of New and Renewable Energy, Block-14, CGO Complex, Lodhi Road, New Delhi-110 003.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.- **with a request to carry out the ecological damage assessment and prepare a remediation plan as per the para 10(i) above.**
5. The Deputy Director General of Forests (C) Ministry of Environment, Forest and