

F.No.10-19/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 15th January, 2019

To,

Shri Sanjiv Kumar, IWM Head,
M/s Rajasthan Waste Management Project,
Ramky Enviro Engineers Limited,
13th Floor, Ramky Grandiose, Ramky Tower Complex,
Gachibowli, Hyderabad, Rangareddi,
Telangana - 500032.

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Subject: Proposed Expansion of Existing CHWTSDF to ICHWTSDF at Survey No. 1018/13, village Gudli, Tehsil Malvi, District Udaipur, Rajasthan by M/s Rajasthan Waste Management Project - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/RJ/MIS/63355/2017 dated 06th November, 2018, 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. The proposal for grant of environmental clearance to the project Proposed Expansion of Existing CHWTSDF to ICHWTSDF at Survey No. 1018/13, village Gudli, Tehsil Malvi, District Udaipur, Rajasthan by M/s Rajasthan Waste Management Project was considered by the Expert Appraisal Committee (Infra-2) in its 36th meeting held on 26 - 28 November, 2018. The project proponent gave a detailed presentation on the salient features of the project and informed that:

- (i) M/s Rajasthan Waste Management Project (Division of Ramky Enviro Engineers Ltd) is proposing for the expansion of Existing Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) to Integrated Common Hazardous Waste Treatment Storage and Disposal Facility (ICHWTSDF).
- (ii) Terms of Reference was granted by MoEFCC vide letter F.No 10-19/2017-IA-III dated 7th July 2017.
- (iii) Public Hearing was conducted on 14.6.2018 at the Atal Seva Kendra, Government Bhavan, Gudli Village, Mavli Tehsil, Udaipur District, Rajasthan.
- (iv) The facility is located at Survey No 1018/13, Gudli Village, Zinc Smelter Chouraha, Debari Railway Station Road, Mavli Tehsil, Udaipur District,

Rajasthan. Existing TSDF has a current capacity of 18,000 TPA for landfill and 2,000 TPA for alternative fuel and raw material facility, while the proposed new and elevated capacities include 20,000 TPA for secured landfill and 40,000 TPA for stabilization, 500 kg/hr for incineration which will be common for both hazardous & bio-medical wastes, 5 TPD for biomedical waste, 18,000 TPA for alternative fuel and raw material, 4,000 TPA for e-waste management, 2 KLD for used oil recycling, 5 KLD for spent solvent recycling, 2,000 TPA for lead recycling, 2 TPD paper recycling & 2 TPD. The project is proposed in an existing area of 21 acres (8.4 Ha), green belt will cover 33% of the total area.

- (v) Power requirement for the facility is 450 KVA.
- (vi) The total water requirement of 60 KLD (fresh water is 50 KLD and treated water is 10 KLD) for the proposed project will be met through Tankers/Panchayat supply.
- (vii) The domestic effluent generated will be treated in septic tank followed by soak pit or portable STP and the treated water is used for greenbelt development. The effluent generated from floor washings, recycling activity, etc., will be collected in collection tank followed by settling tank and the settled water is reused. The effluent from bio medical waste treatment facility, recycling facility, incinerator and spent solvent and oil recovery facility is treated in ETP and recycling to incinerator or circulation back to landfill. There will not be any wastewater discharge to any nearby water body and the zero wastewater discharge concept is adopted in the proposed facility operation.
- (viii) Solid waste generated within the premises shall be disposed off in incinerator. Otherwise, waste shall be segregated and disposed off as per MSW Rules, 2016.
- (ix) The company shall earmark funds of Rs. 40 Lakhs for social development and welfare measures under CER activities in the surrounding villages towards development of education, healthcare and infrastructure facilities. After that the company shall allot 2% of the annual profit towards CSR activities as mandated by Indian Companies Act.
- (x) The estimate cost of the proposed project is about Rs. 40 Crores.
- (xi) Employment Generation: The man power for the proposed project during construction and operation phase is: Skilled manpower (50) and unskilled manpower (50). Indirect employment during operation will be around 100 persons.
- (xii) Benefits of the project: Facilitating better management of Solid wastes. Provides a one stop solution for the management of various types of wastes.

3. The project/activity is covered under category A of item 7(d) 'Common hazardous waste treatment, storage and disposal facilities (TSDFs)' of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at Central level by sectoral EAC.

4. Terms of Reference was granted by MoEFCC vide letter F.No 10-19/2017-IA-III dated 7th July, 2017. Public Hearing was conducted on 14.6.2018 at the Atal Seva Kendra, Government Bhavan, Gudli Village, Mavli Tehsil, Udaipur District, Rajasthan.

5. The EAC, in its 36th meeting held on 26 - 28 November, 2018, 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 Proposed Expansion of Existing CHWTSDF to ICHWTSDF at Survey No. 1018/13, village Gudli, Tehsil Malvi, District Udaipur, Rajasthan by M/s Rajasthan Waste Management Project, 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) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (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) As proposed, no ground water shall be extracted.
- (iv) It shall be ensured that all the trees and other plantation are of the non-edible varieties and do not in any way encourage the incorporation of toxic materials in the food chain.
- (v) The TSDF should only handle the waste generated from the member units.
- (vi) 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.
- (vii) Analysis of Dioxins and Furans shall be done through CSIR – National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory.

- (viii) 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.
- (ix) Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
- (x) 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.
- (xi) Ambient air quality monitoring shall be carried out in and around the landfill site at up wind and downwind locations.
- (xii) The depth of the land fill site shall be decided based on the ground water table at the site and may be such as permitted by the Pollution Control Board.
- (xiii) 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.
- (xiv) The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- (xv) On line real time continuous monitoring facilities shall be provided as per the CPCB or State Board Directions.
- (xvi) No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.
- (xvii) Gas generated in the Land fill should be properly collected, monitored and flared.
- (xviii) 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.
- (xix) 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.
- (xx) Pre-medical check-up to be carried out on workers at the time of employment and regular medical record to be maintained.
- (xxi) 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.

- (xxii) Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.
- (xxiii) The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
- (xxiv) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1st May 2018, and as proposed, a fund of Rs. 0.40 Crore @ 1% of project Cost, shall be earmarked under Corporate Environment Responsibility (CER) for the activities mentioned in the EIA Report. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.


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, 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.
- (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.
- (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.

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



(Kushal Vashist)
Director

Copy to:

- 1) The Secretary, Department of Forests & Environment, Govt. of Rajasthan, Secretariat, Jaipur, Rajasthan.
- 2) The Chairman, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana, Doongri, Jaipur, Rajasthan.
- 3) The Additional Principal Chief Conservator of Forests (C), Regional Office (CZ), Ministry of Environment & Forests, Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow - 226020, U.P.
- 4) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEF&CC Website.


(Kushal Vashist)
Director