

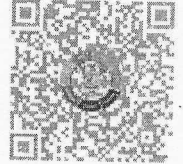


सत्यमेव जयते

File No: 21-45/2023-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Dated 09/11/2023



To,

PUSHKAR MITTAL
WIN WASTE MANAGEMENT PRIVATE LIMITED
PLOT 1/32 S.S. GT ROAD INDUSTRIAL AREA GHAZIABAD UTTAR PRADESH 201001,
AMROHA, UTTAR PRADESH, 201001
winwaste2023@gmail.com

Subject:

Terms of Reference for Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) with Secured Landfill (SLF), Used Oil Recycling, MEE and Preprocessing for Coprocessing at Firozpur Gadauli village, Amroha District, Uttar Pradesh by M/s Win Waste Management Pvt. Ltd - regarding.

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) with Secured Landfill (SLF), Used Oil Recycling, MEE and Preprocessing for Coprocessing, Proposed by Win Waste Management Pvt. Ltd. submitted to Ministry vide proposal number IA/UP/INFRA2/449763/2023 dated 21/10/2023.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO23A3202UP5284519N
(ii) File No.	21-45/2023-IA.III
(iii) Clearance Type	TOR
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(d) Common hazardous waste treatment, storage and disposal facilities (TSDFs)
(vi) Sector	INFRA-2 Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) with Secured Landfill (SLF), Used Oil Recycling, MEE and Preprocessing for Coprocessing, Proposed by Win Waste Management Pvt. Ltd.
(vii) Name of Project	

(viii) Name of Company/Organization	WIN WASTE MANAGEMENT PRIVATE LIMITED
(ix) Location of Project (District, State)	AMROHA, UTTAR PRADESH
(x) Issuing Authority	MoEF&CC
(xii) Applicability of General Conditions	yes
(xiii) Applicability of Specific Conditions	no

3. The project/activity is covered under category 'B' of item 7(d) 'Common hazardous waste treatment, storage and disposal facilities (TSDFs)' of the Schedule to the EIA Notification, 2006 as amended. However, since the project is located at the distance of 6.3 km from Hastinapur Wildlife Sanctuary and 2.7 km from boundary of Gajraula Critically Polluted Area, thus, the General Conditions are applicable to this project. Therefore, the proposed project is covered under category 'A' of item 7(d) 'Common Hazardous Waste Treatment, Storage and Disposal Facilities' of the Schedule to the EIA Notification, 2006 as amended and required appraisal by the sectoral EAC at central level.

4. Accordingly, the above mentioned proposal for ToR has been examined by the Expert Appraisal Committee (Infra-2) in its 105th meeting held on 06.06.2023, 108th EAC meeting held on 07.08.2023 and 112th meeting held on 31.10.2023.

5. The details of the project, as per the application form, documents submitted by the project proponent, and also as informed during the aforesaid meeting of EAC, are provided below for reference:

- i. The project is New.
- ii. The Project is located at Plot No./ Khasra no. 4, 85, 100, 101, 102, 104, 107, 108, 109 Village Firojpur Gandavli, Tehsil Hasanpur, Dist. Amroha (Uttar Pradesh).
- iii. The project activity falls under 7(d) of category A as per the EIA Notification, 2006 as amended and General Condition is applicable to this project.
- iv. The proposed project involves establishment of Secured Landfill (SLF) having 1,34,643.33 MT Capacity for scientific treatment & disposal of Industrial hazardous waste, Multi Effect Evaporations (MEE) System 10 KL/Day for treatment of effluent, Used Oil recycling Facility 2MT/day and preprocessing the high calorific hazardous waste for co-processing in Cement Plant on a land area measuring 2.777 Hectare.
- v. The total area of the project is 27,770 m².
- vi. The boundary of Hastinapur wildlife Sanctuary falls within 10 km radius (at approximately 6.3 Km distance) of the project site.
- vii. No Forest land involved and no diversion of forest land required.
- viii. The project does not fall in Critically Polluted Area, but located within 5 km of Gajraula Critically polluted area at the distance of 2.7 km from project boundary.
- ix. Grounds/ Environmental Parameters taken into account for selection of the proposed project site.: Criteria for site selection is given in the table 1 at Annexure 2.
- x. The total water requirement will be 9 KLD which will be supplied by Tubewell water supply. 3.2 KLD domestic wastewater will be treated through septic Tank. 4.5 KLD of wastewater will be generated from Laboratory, Vehicle/Wheel wash, Floor cleaning, Scrubber attached to oil refining plant and will be treated in MEE and recycled within the unit.
- xi. Municipal Solid waste from Canteen and Office will be disposed as per MSW Rule. Building and construction waste will be disposed as per the applicable regulations.
- xii. Used oil from DG set, Residue from MEE and Used oil recycling plant will be disposed in the Secured Landfill within the project site.
- xiii. No tree cutting is envisaged at the project site.
- xiv. No, the expansion will be carried out within the existing premises.
- xv. No water body is present within the core zone, no diversion is required.
- xvi. No litigation is pending for this project and the project proponent has submitted an Undertaking in this regard.
- xvii. The power load requirement is 100KW and the power requirement is met through connecting loads of

Uttar Pradesh Power corporation limited (UPPCL). In case of power failure, D.G. Set can be used. Total D.G. load will be 100 KVA.

xviii. Total capacity of 0.5 KW of Solar street lights are proposed.

xix. The total cost of the project is Rs. 15.00 Crores.

xx. The total manpower requirement for the proposed project will be around 30-40 personnel during the construction phase and 30 personnel during the operation phase.

xxi. Benefits of the project: 1. Hazardous wastes are disposal of through Scientific manner. 2. Direct & Indirect Employment generation 3. The project will have positive environmental impacts by collection and disposal the hazardous waste in the scientific manner that will reduce health hazard.

6. Earlier, the same proposal was considered by EAC in its 108th meeting held on 07-08.08.2023 wherein EAC returned the proposal stating that the proposed site is not suitable as it is surrounded by lands under irrigated cultivation and horticulture gardens, mostly owned by small landholders and underground water from these lands is used both for drinking and irrigation purposes.

7. The project proponent has again submitted this proposal and informed that site has been selected as per the criteria for siting such facilities as established by the Central Pollution Control Board. It is further informed that the land classification of the proposed site has been changed to non-agriculture land by the order dated 15.06.2023 issued by the SDM concerned. Further the proponent has submitted an NoC from the local Gram Panchayat stating that there is no 'Aabadi' and 'Aabadi Pani' (public water supply) within the 500 m of the proposed site. The project proponent has assured to take all remedial measures so as to avoid water leakage from the proposed project site. The proponent has also cited some examples (TSDF at Kharpadi, Aroha, U.P. by M/s Sangam Mediserve Pvt. Ltd., CHWTSDF at Gudli, Udaipur, Rajasthan by M/s Rajasthan Waste Management Project and others) wherein such activities had already been granted environmental clearances and are running in the country.

8. After detail deliberation, the EAC has recommended the proposal for grant of ToR for preparation of EIA/EMP report with public consultation subject to compliance of all conditions as notified in the standard ToR applicable for such projects along with specific conditions.

9. As per the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords ToR for preparation of the EIA/EMP report with public consultation for Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDF) with Secured Landfill (SLF), Used Oil Recycling, MEE and Preprocessing for Coprocessing at Firozpur Gadauli village, Amroha District, Uttar Pradesh by M/s Win Waste Management Pvt. Ltd, subject to compliance of all conditions as notified in the standard ToR applicable for such projects along with specific conditions as mentioned in **Annexure 1**, additional conditions and General Guidelines as stated below:

Additional Conditions:

Since, the CEPI scores for air and water are above 60, project proponent is required to submit EC proposal along with EIA/EMP report along with additional chapter focusing on mitigation measures for addressing higher CEPI score for air and water on following points:

- i. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
- ii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.
- iii. Effective fugitive emission control measures should be imposed in the process, transportation, parking, etc.
- iv. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).
- v. Reuse/recycle of treated wastewater, wherever feasible.
- vi. Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (Water polluting).
- vii. Zero liquid discharge wherever techno-economically feasible.
- viii. In case, domestic waste water generation is more than 10 KLD, the proponent shall install STP.
- ix. Monitoring of compliance of EC conditions may be submitted with third party audit every year.

General Guidelines:

- i. The EIA document shall be printed on both sides, as far as possible.
 - ii. All documents should be properly indexed, page numbered.
 - iii. Period/date of data collection should be clearly indicated.
 - iv. Authenticated English translation of all material provided in Regional languages.
 - v. The letter/application for EC should quote the MoEF&CC's File No. and also attach a copy of the letter prescribing the ToR.
 - vi. The copy of the letter received from the Ministry on the ToR prescribed for the project should be attached as an annexure to the final EIA-EMP Report.
 - vii. The final EIA-EMP report submitted to the Ministry must incorporate the issues mentioned in ToR. Issues and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
 - viii. The index of the final EIA-EMP report, must indicate the specific chapter and page no. of the EIA-EMP Report where the specific ToR prescribed by Ministry. Questionnaire related to the project (posted on MoEF&CC website) with all sections duly filled in shall also be submitted at the time of applying for EC.
 - ix. Grant of ToR does not mean grant of EC.
 - x. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
 - xi. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed ToRs (ToR proposed by the project proponent and additional ToR given by the MoEF&CC) have been complied with and the data submitted is factually correct (Refer MoEF&CC Office memorandum dated 04.08.2009).
 - xii. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the laboratories through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and the rules made there under (Please refer MoEF&CC Office Memorandum dated 04.08.2009). The project leader of the EIA study shall also be mentioned.
 - xiii. All the ToR points as presented before the Expert Appraisal Committee (EAC) shall be covered.
10. The above ToR should be considered for preparation of EIA/EMP report with public consultation for Common Hazardous Waste Treatment Storage and Disposal Facility (CHWTSDf) with Secured Landfill (SLF), Used Oil Recycling, MEE and Preprocessing for Coprocessing at Firozpur Gadauli village, Amroha District, Uttar Pradesh by M/s Win Waste Management Pvt. Ltd in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006.
11. As stipulated in amendment notification No. S.O. 751(E) dated 17.02. 2020, the above ToR would be valid for a period of four years from the date of issue. The project proponent shall submit detailed final EIA Report and EMP prepared as per above ToR within the stipulated period of four years as per Ministry's OM dated 08.06.2022 issued vide F. No. IA3-22/10/2022-IA.III [E 177258].
12. As per amendment notification No. 648 (E) dated 03.03.2016, the Environmental consultant organizations which are accredited for a particular sector and the category of project for that sector with the Quality Council of India (QCI) or National Accreditation Board for Education and Training (NABET) or any other agency as may be notified by the Ministry of Environment, Forest and Climate Change from time to time shall be allowed to prepare the EIA Report and EMP of a project and appear before the concerned EAC. The consultants involved in preparation of EIA Report would need to include a certificate in this regard in the EIA report and EMP prepared by them and details for data provided by other Organization(s)/ Laboratories including their status of approvals etc.
13. This issues with the approval of the competent authority.

1. The DDG, Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector "H" Aliganj, Lucknow – 226 020
2. The Member Secretary, Uttar Pradesh Pollution Control Board, Building. No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow - 226 010.

Annexure 1

Specific Terms of Reference for (Common hazardous waste treatment, storage and disposal facilities (TSDFs))

1. Specific Conditions

S. No	Terms of Reference
1.1	Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided.
1.2	Specify the land area and space allotted for each activity proposed within the integrated waste management facility. The area requirements for each activity shall be calculated as per the CPCB guidelines for the specified activity.
1.3	List of waste to be handled and their source along with mode of transportation.
1.4	Characteristics and source of each type of waste to be handled.
1.5	Details of storage and disposal of pre-processing and post-processing rejects/inerts and products.
1.6	List of proposed end receivers for the rejects/inerts/products should be provided. MoUs to be submitted along with the EC application.
1.7	Other chemicals and materials required with quantities and storage capacities.
1.8	Details of storage facility for storage of hazardous waste at project site.
1.9	Details of air emissions, effluents, hazardous/solid waste generation and their management.
1.10	Project proponents would also submit a write up on how their project proposal conform to the stipulations made in the "Protocol for Performance evolution and monitoring of the Common Hazardous Waste Treatment Storage and Disposal facilities including common Hazardous Waste incinerators", published by the CPCB.
1.11	Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
1.12	Process description along with major equipment and machineries, process flow sheet (quantitative) from waste material to disposal to be provided.
1.13	Hazard identification and details of proposed safety systems.
1.14	Ground water quality monitoring in and around the project site

S. No	Terms of Reference
1.15	The Air Quality Index shall be calculated for base level air quality.
1.16	Status of the land purchased in terms of land acquisition Act. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
1.17	Details of effluent treatment and recycling process.
1.18	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
1.19	If applicable, a certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
1.20	The project proponents shall satisfactorily address all the complaints/suggestions that have been received against the project till the date of submission of proposals for Appraisal.
1.21	Cost of project and time of completion.
1.22	A tabular chart with index for point wise compliance of above TORs.
1.23	Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included.
1.24	A detailed plan for green belt development along with timeline.
1.25	Details of Disaster Risk Resilient Infrastructure (in addition to Disaster Management Plan).
1.26	Details of Risk assessment and safeguarding the health of the workers.
1.27	Installation of Automatic Weather Station (AWS) at project site.
1.28	Details of baseline data on Public Health for 2 km radius of the project site.

Standard Terms of Reference for (Common hazardous waste treatment, storage and disposal facilities (TSDFs))

1 Project Details

S. No	Terms of Reference
1.1	Importance and benefits of the project.
1.2	Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
1.3	The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
1.4	Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided.
1.5	List of waste to be handled and their characteristics. Details of temporary storage facility for storage of hazardous waste at project site.
1.6	Other chemicals and materials required with quantities and storage capacities.
1.7	Detailed design of pre-treatment and waste stabilization facility of hazardous waste at TSDF.
1.8	Project proponents would also submit a write up on how their project proposal conform to the stipulations made in the Protocol for Performance evaluation and monitoring of the Common Hazardous Waste Treatment Storage and Disposal facilities including common Hazardous Waste incinerators, published by the CPCB on May 24, 2010.
1.9	Process description along with major equipment and machineries, process flow sheet (quantitative) from waste material to disposal to be provided.
1.10	Details of man-power requirement (regular and contract).
1.11	A detailed layout of the project site indicating all the project components.

2 Road and Traffic

S. No	Terms of Reference
2.1	Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures
2.2	Examine the details of transportation of Hazardous wastes, and its safety in handling.

3 Land Environment

S. No	Terms of Reference
3.1	Detailed soil analysis of the site including its permeability, water holding capacity be included.
3.2	Submit the present land use and permission required for any conversion such as forest, agriculture etc.
3.3	Specify the land area and space allotted for each activity proposed within the facility. The area requirements for each activity shall be calculated as per the CPCB guidelines for the specified activity.
3.4	Status of the land purchases in terms of land acquisition Act. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
3.5	The EIA would address to the conformity of site to the stipulations as made in the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and will have a complete chapter indicating conformity to the said rules. NOC shall be obtained from State Pollution Control Board regarding site suitability for establishment of TSDF.
3.6	Post project reclamation management program with financial allocation.

4 Environmental Monitoring and Management

S. No	Terms of Reference
4.1	Examine and submit the details of on line pollutant monitoring.
4.2	Examine the details of monitoring of Dioxin and Furon.
4.3	Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control
4.4	Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
4.5	A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
4.6	Air Quality Index shall be calculated for base level air quality.
4.7	Baseline data on Ground water quality is required.
4.8	Possible carbon footprint contribution from each activities and mitigation measures proposed shall be included as part of Environment Management Plan.

5 Waste Management

S. No	Terms of Reference
5.1	MoU for disposal of ash through the TSDF.
5.2	MoU for disposal of scrubbing waste water through CETP.
5.3	Examine and submit details of the odour control measures.
5.4	The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
5.5	Details of storage and disposal of pre-processing and post-processing rejects/inerts and products. List of proposed end receivers for the rejects/inerts/products should be provided. MoUs to be submitted in this regard
5.6	Details of hazardous/solid waste generation and their management.

6 Water Environment

S. No	Terms of Reference
6.1	Detailed hydrogeological studies and possible impact if any accidental contamination occurs shall be included.
6.2	Examine and submit details of monitoring of water quality around the landfill site.
6.3	Examine and submit details of impact on water body and mitigative measures during rainy season.
6.4	Details of Drainage of the project up to 5 km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided.

7 Water Management

S. No	Terms of Reference
7.1	Details of effluent treatment and recycling process.
7.2	A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users

8 Energy Management

S. No	Terms of Reference
8.1	A certificate of adequacy of available power from the agency supplying power to the project along

S. No	Terms of Reference
	with the load allowed for the project.

9 Disaster Management Plan

S. No	Terms of Reference
9.1	Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
9.2	Hazard identification and proposed mitigation measures.

10 Green Belt

S. No	Terms of Reference
10.1	A detailed Plan for green belt development.

11 Socio-economic Environment

S. No	Terms of Reference
11.1	Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
11.2	The project proponents shall satisfactorily address all the complaints/suggestions that have been received against the project till the date of submission of proposals for Appraisal.

12 Court Cases

S. No	Terms of Reference
12.1	Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

13 Miscellaneous

S. No	Terms of Reference
13.1	Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website http://moef.nic.in/Manual/Incinerato

Annexure - 2

Table – 1 Grounds/ Environmental Parameters taken into account for selection of the proposed project site.: Criteria for site selection are as shown below:

Sl.NO.	PARAMETERS	CRITERIA	OBSERVATIONS
1	Lake or pond (Distance from Surface Water body)	Should not be within 200 m	No lake or pond present within 200 meters.
2	River	Should not be within 100 m	No river within 100 m from the site. Bagardnadi a tributary is 1.7 Km in SW direction. River Ganga is at a distance of about 8Km in west direction.
3	Flood plain	Should not be within 100-year flood plain	Not within 100 yrs. flood plain.
4	Highway – State or National	Should not be within 500 m	State highway SH 51 is 1.1 KM NH-24 (9) is 1.24 Km away from the site
5	Habitation – Notified habituated area	Should not be within 500 m	No notified residential area presents within 500m radius. Firozpur Gandawali is 800m in NW direction
6	Public Parks	Should not be within 500 m	No public park presents within 500 m radius.
7	Critical habitat area – area in which one or more endangered species live	Should not be within such area.	Not within Critical habitat area. Hastinapur wildlife Sanctuary is 6.3 Km in NW direction
8	Reserved Forest area	Should not be within such area.	The land acquired is agricultural land . Shal Jaggi RF is 1.3 Km in SE
9	Wetlands	Should not be within such area	No wetland
10	Airport	Should not be within zone around the airport(s)	Not within the zone of any Airport Nearest Airport is IGI Airport Delhi 115 Km. WSW direction
11	Water supply	No Water supply well within 500 m	None within 500m
12	Coastal Regulation Area	Should not be within a coastal regulation zone	Not in a coastal regulation zone
13	Ground Water Table level	GW table should be >2m from the base of the landfill	Ground water is at about 14 m bgl
14	Presence of monuments/ religious structures	Not suitable	None within 5 Km