APPENDIX I

FORM – I

(I) Basic Information:-

Sr. No	Item	Details
1.	Name of the project/s	Proposed Integrated Municipal Solid waste processing facility for Rewari Cluster {Ateli Mandi, Bawal, Dharuhera, Kanina, Mahendragarh, Nangal Choudhary, Narnaul and Rewari}
2.	S. No. in the schedule	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
3.	Proposed capacity/area/length/tonnage to be handled/ command area/lease area/ number of wells to be drilled	Total Area- 14.625 acres
4.	New / Expansion / Modernization	New
5.	Existing Capacity/ Area etc.	Not Applicable
6.	Category of Project i.e. 'A' or 'B'	Category 'A'
7.	Does it attract the general condition? If Yes, please specify.	No
8.	Does it attract the specific condition? If Yes, please specify	No
9.	Location	**Coordinate Points / Latitude / Longitude** A. 28⁰03'42.93"N 76⁰32'31.29"E B. 28⁰03'42.48"N 76⁰32'26.23"E C. 28⁰03'46.44"N 76⁰32'25.75"E D. 28⁰03'47.14"N 76⁰32'27.85"E E. 28⁰03'48.81"N 76⁰32'27.86"E F. 28⁰03'47.51"N 76⁰32'33.06"E G. 28⁰03'45.42"N 76⁰32'35.71"E
	Plot/Survey/Khasra No.	
	Village	Near Ramsinghpura
	Tehsil	Rewari
	District	Rewari
	State	Haryana
10.	Nearest railway station/airport along with distance in kms.	Bawal railway station 3.19 Km New Delhi Airport 76 Km
11.	Nearest town, city, district headquarters along with distance in kms.	Nearest Town/City Rewari 5.7 Km

12.	Village Panchayat, Zila Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	Rewari Municipal Corporation
13.	Name of the applicant	Rewari Municipal Corporation
14.	Registered address	Near Bharawas Gate, Rewari.
15.	Address for correspondence:	
	Name	Shri. Ajay Sikka
	Designation (Owner/Partner/CEO)	Municipal Engineer
	Address	Rewari Municipal Corporation
	Pin Code	123401
	E-mail	secymc.rewari@gmail.com
	Telephone No.	01274-225263
	Fax No.	
16.	Details of Alternatives Sites examined, if any. Location of these sites should be shown on a Topo sheet	Details of Alternate site are given in PFR (pre-Feasibility report).
17.	Interlinked Project	No
18.	Whether separate application of interlinked project has been submitted?	NA
19.	If Yes, date of Submission	NA
20.	If no, reason	NA
21.	Whether the proposal involves approval/clearances under: if yes, details of the same and their status to be given. The Forest (Conservation) Act, 1980? The Wildlife (Protection) Act, 1972? The C.R.Z Notification, 1991?	No
22.	Whether there is any Government Order /Policy relevant/ relating to the site?	No
23.	Forest land involved (hectares)	No
24.	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? Name of the court Case No. Orders/directions of the Court, if any and its relevance with the proposed project.	None

(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	Yes	Total land = 14.625 acres In the proposed site, MSW has been dumped for more than a years. The proposed project will clear the unorganized dump and the waste from the dump will be disposed of in a sanitary landfill etc.
2.	Clearance of existing land, vegetation and buildings?	**No**	**NA**
3.	Creation of new land uses?	**Yes**	**NA**
4.	Pre-construction investigations e.g. bore houses, soil testing?	**Yes**	Pre- construction investigations of bore wells and soil characteristics are in progress.
5.	Construction works?	**Yes**	Construction of • Intermediate storage • Wheel wash facility • Office building • Approach and internal road • Compound wall • Secured landfill cell in phases • Leachate well • Ground water monitoring well
6.	Demolition works?	**No**	NA
7.	Temporary sites used for construction works or housing of construction workers?	**Yes**	Local laborers to be employed from nearby villages. If required make labor camp with basic amenities shall be set up within the site only.
8.	Above ground buildings, structures or Earthworks including linear structures, cut and fill or excavations	**Yes**	All buildings (i.e. Shed, Lab, Office etc.) are above ground except landfill cells, foundations and underground storage tank.
9.	Underground works including mining or tunneling?	**Yes**	NA
10.	Reclamation works?	**No**	NA
11.	Dredging?	**No**	NA

12.	Offshore structures?	**No**	NA
13.	Production and manufacturing Processes?	**Yes**	NA
14.	Facilities for storage of goods or materials?	Yes	Materials which are used for construction shall be stored in temporary sheds at site.
15.	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Detail disposal of solid waste is discussed in Pre-feasibility report
16.	Facilities for long term housing of Operational workers?	**No**	Priority to be given to local villagers
17.	New road, rail or sea traffic during Construction or operation?	**Yes**	Only Road traffic will increase. Traffic due to transportation of construction material during construction phase, during nonpeak, day hours of approximately 5 trucks. During operation phase: Approximately 20 trucks. Increase in Vehicular traffic due to commute of employees and workers during construction and operation phase.
18.	New road, rail, air waterborne or Other transport infrastructure including new or altered routes and stations, ports, airports etc.?	**No**	Existing infrastructure is sufficient to cater the extra traffic load due to the proposed project.
19.	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	**No**	NA
20.	New or diverted transmission lines or pipelines?	**No**	NA
21.	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	NA
22.	Stream crossings?	No	NA

23.	Abstraction or transfers of water form ground or surface waters?	**No**	Water shall be provided from Municipal Corporation Rewari.
24.	Changes in water bodies or the land surface affecting drainage or run-off?	**No**	NA
25.	Transport of personnel or materials For construction, operation or decommissioning?	**Yes**	Laborers and raw material will be transported via the existing Infrastructure
26.	Long-term dismantling or decommissioning or restoration works?	**No**	Not Applicable. Closure of landfill cell at end as per CPCB guidelines. Green belt/garden will be developed.
27.	Ongoing activity during decommissioning which could have an impact on the environment?	**No**	NA
28.	Influx of people to an area in either temporarily or permanently?	**No**	Priority will be given to local area people
29.	Introduction of alien species?	**No**	NA
30.	Loss of native species or genetic Diversity?	**No**	NA
31.	Any other actions?	**No**	NA

2. **Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):**

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1.	Land especially undeveloped or agricultural land (ha)	No	Barren land
2.2.	Water (expected source & competing users) unit: KLD	**Yes**	Construction Phase: 6 - 8 KLD Source: Municipal Corporation of Rewari Operation Phase: 80.06 KLD Source: Ground water / Treated sewage from Municipal Corporation of Rewari

2.3.	Minerals (MT)	**No**	NA
2.4.	Construction material – stone, aggregates, sand / soil (expected source – MT)		Cement, Steel, Rocks and aggregates, Sand, Geo Membrane Stone, Aggregate, Steel, Cement Source: Local Supplier
2.5.	Forests and timber (source – MT)	**No**	NA
2.6.	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)		1 D.G set of 250 KVA will be utilized for power during construction phase. During operation phase 250KW power will be taken from of State Electricity Board and for emergency 1 D.G set of 250 KVA will be utilized as backup.
2.7.	Any other natural resources (use appropriate standard units)	**No**	NA

3. Use , Storage , transport , handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health

Sr. No	**Information/Checklist Confirmation**	**Yes/No**	**Details thereof (with approximate quantities /rates, wherever possible) with source of information data**
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	Yes	NA
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	**No**	Positive change expected. With capping of existing dumpsite and with construction of new secured landfill, occurrence of disease expected to decrease.
3.3	Affect the welfare of people e.g. By changing living conditions?	**No**	Improved living condition by direct & indirect employment.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	**No**	-
3.5	Any other causes	**No**	-

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	**No**	All the excavated material generated out of foundation excavation will be used for construction of embankment of the cell.
4.2	Municipal waste domestic and or commercial wastes)	**Yes**	The Municipal solid waste handled during operation phase is expected to be 197 TPD in 2017, 236 TPD in 2025 and 335 TPD in 2035.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	**Yes**	--
4.4	Other industrial process wastes	**No**	--
4.5	Surplus product	**No**	--
4.6	Sewage sludge or other sludge from Effluent treatment	**Yes**	Sludge, if any generated, from leachate treatment plant- to be landfilled..
4.7	Construction or demolition wastes	**Yes**	--
4.8	Redundant machinery or equipment	**No**	NA
4.9	Contaminated soils or other materials	**No**	NA
4.10	Agricultural wastes	**No**	NA
4.11	Other solid wastes	**No**	NA

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Not envisaged except for movement of vehicles for transporting waste to site.
5.2	Emissions from production processes	**Yes**	Air emissions will be generated from production process based on RDF. The same will be treated as per the SPCB/CPCB norms using flue gas cleaning system before its release in environment.
5.3	Emissions from materials handling Including storage or	**No**	NA

	transport		
5.4	Emissions from construction activities including plant and equipment	**Yes**	Fugitive emissions during unloading of construction material, concrete mixers etc.
5	Dust or odors from handling of materials including construction materials, sewage and waste	**Yes**	Dust and Odour will be generated during transportation and handling of Municipal solid waste. Same will be kept under control by water spraying, odour control measures and other methods.
5.6	Emissions from incineration of waste	**No**	Particulates, Sulphur oxides, nitrous oxides, HCl, CO
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	**No**	NA
5.8	Emissions from any other sources	**Yes**	D. G Emission

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Increase in noise level due to the movement of vehicles and construction machinery.
6.2	From industrial or similar processes	**Yes**	Noise will be generated during MSW processing but same will be kept as per noise limitation of SPCB.
6.3	From construction or demolition	**Yes**	Minor increase in noise due to transportation of construction material
6.4	From blasting or piling	**No**	NA
6.5	From construction or operational traffic	**Yes**	Minor increase due to transportation activity
6.6	From lighting or cooling systems	**No**	---
6.7	From any other sources	**No**	---

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage	**No**	NA

	of hazardous materials		
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	**No**	Leachate will be treated as per PCB/CPCB norms. There will not be any land disposal of leachate.
7.3	By deposition of pollutants emitted to air into the land or into water	**No**	NA
7.4	From any other sources	**No**	NA
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	**No**	--

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

Sr. No	**Information/Checklist Confirmation**	**Yes/No**	**Details thereof (with approximate quantities /rates, wherever possible) with source of information data**
8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	**Yes**	NA
8.2	From any other causes	**Yes**	NA
8.3	Could the project be affected by Natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)?	**No**	The project fall under seismic zone IV

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

Sr. No	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: •Supporting infrastructure roads, power supply, waste or waste water treatment, etc.) •housing development •extractive industries • supply industries • other	**No**	Due to the proposed project, local ancillary units will be developed. Local infrastructure as well as low-scale commercial facilities will be developed.
9.2	Lead to after-use of the site, which could have an impact on the environment	**Yes**	The landfill will be scientifically capped after the project completion.
9.3	Set a precedent for later developments	**Yes**	NA
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	**No**	NA

(III) Environmental Sensitivity

Sr. No	Area	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	**NIL**	NA
2	Areas which are important or sensitive for Ecological reasons Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	**NIL**	NA
3	Areas used by protected, important or Sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	**NIL**	NA
4	Inland, coastal, marine or underground waters.	**NIL**	NA
5	State, National boundaries.	**Yes**	Inter State boundary of Haryana and Rajasthan lies at a distance of 2.23 km from project site.

6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	**No**	NA
7	Defense installations	**None**	NA
8	Densely populated or built-up area	**Yes**	Rewari lies at a distance of 5.7 km from project site.
9	Areas occupied by sensitive man-made land uses *(hospitals, schools, places of worship, community facilities)*	**Yes**	Rewari lies at a distance of 5.7 km from Integrated MSW Processing facility.
10	Areas containing important, high quality or scarce resources. *(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)*	**No**	NA
11	Areas already subjected to pollution or Environmental damage. *(those where existing legal environmental standards are exceeded)*	**None**	NA
12	Areas susceptible to natural hazard which Could cause the project to present environmental problems. (*earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions*)	**Nil**	NA

(IV) Proposed Terms of Reference for EIA studies

"I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: 19.09.2017

Place:

Rewari Municipal Council,
Rewari, Haryana.