

Annexure 00

Compliance of CPCB Criteria for Hazardous waste landfill

Sr. No.	Conditions	Status
1.	<p>Location Criteria:</p> <ul style="list-style-type: none"> - Lake or Pond : 200 Mtrs - River : 100 Mtrs - Flood plain : 100 years - Highway : 500 Mtrs - Habitation : 500 Mtrs - Public Parks : 500 Mtrs - Critical habitat Area : No landfill - Wet Lands: No landfill - Airport : No Landfill - Water Supply: 500 Mtrs - Coastal Regulation Zone : No landfill - Ground Water table level: < 2 meters below the base 	<p>Complied</p> <p>Landfill is located in Ankleshwar GIDC Estate fulfilling all the criteria mentioned in the guidelines. Nearest railway station is at about 2.4 Km (NE), Dadhhal. Nearest river is at about 1.15 km (E), Kondhki Khadi. Nearest village is at about 1.2 KM (ENE), Jitali. Nearest airport is at about 63 Km (SW), Surat. Nearest highway is at about 5 Km (W), national highway No.8.</p>
2.	<p>Planning And Design criteria:</p>	Complied
	<p>1. Essential Components:</p> <ul style="list-style-type: none"> - Liner System at base and sides of landfill - A leachate collection and treatment facility - Gas collection and treatment facility - Final cover system at top - Surface water drainage system - Environmental monitoring system - Closure and post closure plan 	<p>Appropriate base and side liners has been provided according to the criteria. Leachate collection wells (6 for Phase I, 7 for Phase II and 1 for Phase III) has been provided for collecting leachate which further send to MEE or M/S ETL for treatment. Adequate nos. of vents has been provided for gas collection and monitoring. Phase I is completed, so final vegetation coverage has been done and closure of Phase II is going on. Phase-III is in use Currently in Operation (waste dump in temporary shed from 10th June). Surface water drainage system is provided.</p>
	<p>2. Phased Operation:</p> <ul style="list-style-type: none"> - During the monsoon months the waste may stockpiled in a temporary holding areas 	<p>Complied.</p> <p>Landfill site operation is being suspended during the 4</p>

	(covered with roof). During this period and the landfill may be kept capped with final cover/ intermediate cover and landfill operations suspended to reduce infiltration of rainwater into the landfill.	months of monsoon. We have separate storage shed of capacity 30,000 MT. which is also having same side and base lines system provided with roof. Landfill which is in operation is covered with tarpaulin during these period.
	<p>3. Liner system:</p> <ul style="list-style-type: none"> - Leachate control within a landfill involves the following steps: (a) prevention of migration of leachate from landfill sides and landfill base to the subsoil by suitable liner system; and (b) drainage of leachate collected at the base of a landfill to the side of the landfill and removal of the leachate from within the landfill. 	<p>Complied</p> <p>A proper base and side liners has been provided according to the criteria. Drainage system is also provided to avoid infiltration of surface water.</p>
	<p>4. Leachate Management:</p> <ul style="list-style-type: none"> - Offsite Treatment - Onsite Treatment - Recirculation 	<p>Complied</p> <p>Leachate collection wells wells (6 for Phase I, 7 for Phase II and 1 for Phase III)has been provided and collected leachate is treated onsite in MEE or sent to ETL for offsite treatment. Leachate is recirculated accelerating process of landfill stabilization.</p>
	<p>5. Gaseous Emission Management:</p> <ul style="list-style-type: none"> - Controlled passive venting - Controlled collection and treatment 	<p>Complied</p> <p>Adequate nos. of vents has been provided to collect and monitor generation of gas. Results of VOC monitoring is attached.</p>
	<p>6. Final Cover System</p>	<p>Complied</p> <p>Phase I has been closed and covered with vegetation layer with enhanced surface drainage system. Closure of Phase II has been going on. Final coverage system is according to Guidelines. Phase-III is in use Currently in Operation (waste dump in temporary shed from 10th June).</p>
	<p>7. Site Infrastructure:</p> <ul style="list-style-type: none"> - Site Entrance and Fencing. - Administrative and Site Control Offices - Access Roads - Waste Inspection and Sampling Facility. - Equipment Workshops and Garages. - Signs and Directions 	<p>Complied</p> <p>All the facilities like site entrance and fencing, administration, site control offices, access roads, waste inspection, sampling facility, water supply, lightings,</p>

	<ul style="list-style-type: none"> - Water Supply - Lighting - Vehicle Cleaning Facility - Fire Fighting Equipment 	vehicle cleaning facility, firefighting equipment, signs and directions etc. have been provided.
	8. Environment Monitoring System:	Complied Regular monitoring of leachate quality, air quality, and noise is being carried out. Monitoring of ground water, leachate, VOC generation, ambient air monitoring, noise monitoring has been conducted on regular basis. All the analysis reports are attached.
	9. Closure and post closure maintenance plan:	Complied Phase I has been closed and covered with vegetation layer with enhanced surface drainage system. Closure of Phase II has been going on. Final coverage system is according to Guidelines. Phase-III is in use Currently in Operation (waste dump in temporary shed from 10 th June).
3.	Waste Acceptance Criteria	Complied On arrival of any waste, it is first analyzed and if it follows GPCB/CPCB waste acceptance criteria then and only then it is accepted.
4.	<p>Construction and operational Criteria:</p> <ul style="list-style-type: none"> - Site Development - Phase development - Phase operation - Phase closure - Landfill closure - Post closure vegetative stabilization 	Complied Proper facilities for site development like record keeping for site manual, site reports, vehicle inspection is provided.
5.	<p>Inspection, Monitoring and record keeping criteria:</p> <ul style="list-style-type: none"> - During construction of liners and covers - During operation - During closure and post closure period - Environmental Monitoring System 	Complied Regular inspections of liners, and covers was being conducted during construction phase of landfill. Adequate environmental monitoring system has been provided.
6.	Financial Assurance Criteria	Complied We have prepared detailed financial estimates for construction, operation, and

		closure and post closure activity of the landfill.
7.	Contingency Plan for Emergency	Complied We are having onsite emergency plan, which is updated on yearly basis and submitted to GPCB, RO.