

Project Summary

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Name of the Project: **Integrated Treatment Storage and Disposal Facility for Hazardous Waste at KIADB Kadechur Industrial Estate¹, Taluka and District Yadgir, Karnataka, 585 221**

M/s Mother Earth Environ Tech Pvt. Ltd. Bangalore (MEETPL) is proposing an integrated Treatment, Storage and Disposal Facility (TSDF) for hazardous waste (HW) under the setting-up and operational compliance framework of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 (Hazardous Waste Rules) over a 16.2 ha industrial plot within Notified Industrial Estate (IE) of Karnataka Industrial Area Development Board (KIADB), Kadechur, Taluka and District Yadgir, Karnataka. The proposed integrated TSDF will comprise a secured landfill of 1.21 MT and an incinerator of 12 T/day (Phase I – Stationary hearth type), expandable to 24 T/day, Phase II - Rotary kiln primary chamber type) treatment and terminal disposal of hazardous waste, along with essential utilities and amenities.

The site will also feature a 5 MLD CETP based on conventional technology, to be developed in phases of 1.2, 1.2 and 2.6 MLD². The 3 MLD CETP is part of the EC (Refer Sr. 3, (vi), page 02 of the Kadechur KIDB IE EC letter).

Environmental clearance for the 1311.18 ha KIADB IE has been accorded by the Ministry of Environment, Forest and Climate Change (MoEE&CC), New Delhi *vide* Letter No. 21-8/2014-IA-III, dated 14th October, 2016).

According to Karnataka State Pollution Control Board (KSPCB) Inventory of Hazardous Waste as on 20st December, 2017, the state of Karnataka generates about 1,91,990 MT/annum (plus 9,52,199 nos of contaminated units – containers, filters, etc. which are not measured in weight units) of hazardous waste from 3134 industrial/other units, 46,596 MT/annum (24.2%) of which is land-fillable waste and 79,542 MT/annum (plus 74,068 nos.) (41.4%) is incinerable waste³.

The proposed integrated TSDF is proposed over a 16.2 ha land inside the KIADB Kadechur IE (Plot Numbers 158 to 164). The plot is 700 m east of the Raichur to Yadgiri highway (Gulberga Gooty National Highway, NH 150), Kadechur village is 1.3 m away from the site's eastern boundary. A 24 m, four lane, un-mediated tarred road passes from in front (south) of the site which will act the prime easement for the site.. The Kadechur IE is about 40 km south (by road) from Yadgir, the District Headquarter. River Bhima, tributary of perennial river Krishna is about 8.2 km south west of the site. River Krishna is about 12.3 km south of the site. Bada talab (village irrigation tank) is about 1.45 km east of the site. Chegunta is the nearest railway station, about 3.8 km (aerial distance) south of the site on the South Central Railway line (double track, electrified, 374 m MSL). Saidapur is the second nearest railway station, about 8.2 km (aerial distance) north west of the site on the South Central Railway line (double track, electrified, 379 m MSL). Railway track is about 2.5 km south west of the Project site. The nearest airport is Rajiv Gandhi International Airport, Hyderabad, located about 140 km in the north east direction (aerial distance) from the proposed Project site.

The site is 2.15 km away from the inter-state boundary of Telengana in the east. Maganur Mandal taluka, Mahbubnagar District is the adjoining administrative unit of Telengana from the site.

¹ EC to the KIADB Kadechur Industrial Estate has been accorded by the MoEF&CC *vide* Letter No. 21-8/2014-IA-III, dated 14th October, 2016

² CETP volume phasing and implementation schedule is tentative and may depend on demand for industrial wastewater treatment in the Industrial estate

³ Karnataka State Pollution Control Board Inventory of Hazardous Waste generation in Karnataka, status as on 20st December, 2017