

## HAZARDOUS WASTE TREATMENT & SECURED LANDFILL FACILITY

at

UDAIPUR

The year 2006 shall be proved to be a momentous year for the industries of Rajasthan by getting a 'must' industrial hazardous waste management infrastructure at Udaipur as a role-model of Public - Private Partnership with an investment of Rs.18.00 crores in phases through strategic efforts of Udaipur Chamber of Commerce & Industry (UCCI) as a promoter who's endeavour was to perceive and to show its desire, structured capability and societal consciousness by setting-up a Common Hazardous Waste Treatment, Storage & Disposal Facility(TSDF).

The Hazardous Waste (Management & Handling) Rules, 2003 under the Environment (Protection) Act, 1986 the hazardous waste of the Fertilizer, Metal, Petrochemical, Organic Chemical, Dyes & Pigment, Textile, Fibre Dyeing and Pharmaceutical industries needs to be disposed off at a defined place and no industrial unit is suppose to carry such waste in their factory premises generally for more than 90 days, and it is felt that long storage can spoil the environment by those industries who on their own may not afford and are unable to provide on-site facility for disposal of Hazardous Waste. Since there was no common facility to handle the hazardous waste and to prevent such pollution, it was a matter of consideration to address this vital issue in such a way by which industries can ultimately dispose-off their waste in a scientifically constructed landfill site in a environment friendly manner and remains buried life long.

To understand where & what kind of industrial waste is generated and to prepare a feasibility report for setting-up such facility on 50 Bigha's of land at Village Gudli, Tehsil Mavli, District Udaipur which was identified / notified by the Government of Rajasthan as back as in 1997 for the purpose of developing such facility by any industrial association, a Canadian Consultant was appointed under CIDA grant-in-aid of Rs. 2.00 crores. Based on the feasibility report prepared by the Consultant, the State Government as well the Rajasthan State Pollution Control Board approved the project and granted the requisite permissions under the Environment Protection Act.

On the advise of State Pollution Control Board, UCCI constituted a trust viz. "Udaipur Industrial Waste Management & Research Centre" (UIWM&RC) as a Special Purpose Vehicle to develop & operate the proposed hazardous waste management facility and user's rights were given to UIWM&RC to use the land for the object for which land was set aside by the Government of Rajasthan. Thereupon, on BOOT basis a contract was awarded to one of the largest waste management service provider M/s. Ramky Enviro Engineers Ltd., Hyderabad to develop the facility for collection, transportation, storage, treatment, landfill, incineration and leachate treatment etc. as per guidelines of the Ministry of Environment & Forest, Central Pollution Control Board and USEPA. The Rajasthan State Pollution Control Board also granted an authorization to the Contractor / Operator M/s. Ramky Enviro Engineers Ltd. and the facility was developed by them within a period of 9 months and that is in operation since April, 2006. That way a kind of environmental security has been provided to the industries located in Alwar, Bikaner, Bhilwara, Jaipur, Jodhpur, Kota, Pali and Udaipur area and as on date about 408 industries are availing this facility which is first of its kind not only in the State of Rajasthan but in whole of the Northern India.

Under the tripartite agreement between Udaipur Industrial Waste Management & Research Centre and Udaipur Chamber of Commerce & Industry as a promoter, and Ramky Enviro Engineers Ltd., user charges have been decided as under for direct landfill, stabilization and incineration :

	<u>DISPOSAL CHARGES</u>	Rs./M.T.
A.	For Direct Landfill	
	Upto 250 MT/Annum	693
	251 - 500 "	684
	501 - 1000	675
	1001 & above	657
B.	For Stabilization	
	Upto 250 MT/Annum	900
	250 - 500 "	891
	501 - 1000 "	882
	1001 & above	873
C.	For incineration	
	Upto 3000 Keal / Kg.	6600
	3001 - 5000 "	7200
	5001 & above"	7650

The sample testing charges and transportation charges from the premises of industries to upto the facility on per KM basis have also been finalised in the agreement. Since sizeable quantity of incinerable waste is not available at present, installation of incinerator at site is under consideration and till then such waste shall be transported to any of the nearby facilities operated by M/s. Ramky Enviro Engineers Ltd.

With a view to have effective co-ordination with the industries, representatives of industrial associations of Bhiwadi, Jaipur, Bhilwara, Udaipur, Jodhpur, Kota as well waste generators of small scale, medium scale, large scale industries and representatives of UCCI are in the Board of Trustees of “Udaipur Industrial Waste Management & Research Centre”, who are monitoring the project.

The Sub-Committee of High Powered Monitoring Committee appointed by Hon’ble Supreme Court of India on this subject have appreciated the joint efforts of Govt. of Rajasthan, RSPCB and UCCI for developing this facility which will prove to be an exemplary Model of Private-Pubic Partnership for others to follow and classified this facility under “A+” category. This facility will certainly provide an unimaginable relief to the industries who were not finding a way out to dispose off their hazardous waste and to comply with the environmental laws of the country and this will certainly fulfill the escalating demand for a pollution free industrial environment in the State of Rajasthan.

Udaipur Chamber of Commerce & Industry is providing registration for membership of CHWTSDF on behalf of operator of the Facility at a nominal fee of Rs. 25,000/- and waste generators can contact to Shri K.S. Mogra, Chairman - HWM Sub-Committee/ UCCI and Executive President, Udaipur Industrial Waste Management & Research Centre, Tel.No. 0294-2491060 ; 2491061; Fax No.0294-2492212 ; e-mail [uccisec@hotmail.com](mailto:uccisec@hotmail.com)



**HAZARDOUS WASTE TREATMENT PLANT**