

STATE OF ART DISPOSAL OF HAZARDOUS WASTE ENVIRONMENT MANAGEMENT INFRASTRUCTURE AT ALANG:

TREATMENT, STORAGE, DISPOSAL FACILITY AT ALANG

Gujarat Maritime Board has developed Treatment, storage, Disposal facility at Alang in year 2005 and made operational by engaging external agency M/s GEPIL. All the ship recycling plots at Alang are members of GMB's common facility to transfer their hazardous waste to TSDF. Hence no waste is left to fall along the coastal area at Alang and ambient coastal and marine environment is periodically monitored by GMB and GPCB. The existing baseline coastal and marine environment at Alang is not found polluted because of operation of centralized hazardous waste management facility operated by GMB. So far no oil spill or chemical spill from the vessels plying in and around Bhavnagar to Alang is occurred.

FOLLOWING FACILITIES ARE OPERATIONAL AT ALANG AS APART OF INTEGRATED ENVIRONMENT MANAGEMENT PLAN

I	Item	Capacity	
1	Landfill cell for Hazardous waste	70,000 m ³	
2	Landfill cell for Municipal solid waste	30,000 m ³	
3	Common hazardous waste incinerator	5 Mt/day	
4	Fire hydrant system	Under ground reservoir	200 m ³
		Over ground reservoir	5 m ³ × 2
5	Effluent treatment plant	30 KLPD	

GMB has created awareness among ship recyclers to recycle, reuse and reprocess the waste upto the extent possible to reduce load on above TSDF facility so that it will last for more than designed period.



Landfill Site



Effluent Treatment Plant



Incinerator