

Executive Summary of the Project

SALIENT FEATURES OF THE PROJECT:	
Location	Alang is located on the Western part of Gulf of Cambay in South Gujarat (Latitude 21°15'-21°29' N; Longitude 72°5'-72°15' E).
Land Area	The stretch of Ship Recycling Yard along the Gulf of Cambay coastline is about 10 km extending about 100 m inland from the shore. The area is covered by the port limits of Talaja and is adjacent to Alang light house (Latitude 21°21'N; Longitude 72°12' E).
Screening Category	7(B)
Product Profile	<p>The project includes following work components:</p> <p>A. Existing Recycling Yard Improvement (Total 70 plots, out of which 47 Plots of 60m × 60m size and 23 plots of 90m × 60m size).</p> <ul style="list-style-type: none"> • Pilot project to improve existing infrastructure in Alang area <p>B. Hazardous Material Removal Pre-treatment Facility</p> <ul style="list-style-type: none"> • Dry dock facility for ships for pre-cleaning of hazardous materials and wastes (Dimension l×b×h = 300m × 50m × 11m). <p>C. Environmental Facilities</p> <ul style="list-style-type: none"> • Waste oil treatment system • Incinerator <p>D. Labour welfare infrastructure</p> <ul style="list-style-type: none"> • Housing including hospital facilities, community center, community school to be developed for welfare of labourer's working at the Yard (Total built up area around: 94,700 m²).
Cost of the Project	180.28 million USD ≈ ₹1140 Crores
RESORUCE REQUIREMENT:	
Source of Water & Quantity	Water Supply is being provided for 1 MLD through express line from Trapaj to Alang Ship Recycling Yard. Total 21 Stand Posts are also created throughout the yards to supply the water in the yards area.
Fuel	Liquefied Petroleum Gas along with other gases such as Oxygen is being used for cutting of ships.

Power	The power is supplied by Paschim Gujarat Vij Company Ltd. (PGVCL) at the yard. In case of power failure, the DG sets are installed in yard may be used.
Waste Water Generation	Waste water mainly bilge water generated at the ship breaking yard is being treated at the existing ETP having capacity of 30KLD developed by Gujarat Maritime Board at TSDF site, Alang, Bhavnagar.
ENVIRONMENTAL MANAGEMENT SYSTEM :	
Effluent Treatment Plant	Currently the waste is treated at the existing ETP of capacity 30 KLD developed by Gujarat Maritime Board at TSDF site, Alang, Bhavnagar
Flue Gas Emission	Flue gas emission would not increase in compared to existing Ship Recycling activities at the Alang Sosia Ship Recycling Yard since due to implementation of this project, other environment facilities i.e. Dry dock facility for pre-cleaning of hazardous materials and wastes, Oil, Oily Water collection and Treatment Facility would be activated at the yard. Ships (mainly ships of special concerned) would first made free from the hazardous wastes in the proposed to be developed facilities and only after that allowed for beaching and cutting which would lead to decrease in emission of flue gases.
Process Gas Emission	Liquefied Petroleum Gas along with other gases such as oxygen is being used for process of vessel cutting at the yard.
Hazardous Wastes	Bilge water, Asbestos and asbestos containing materials, waste glasswool, Incinerable wastes are mainly generated during the ship recycling activities. All wastes are pretreated and disposed at GMB's developed TSDF sites in environmentally safe and sound manner.