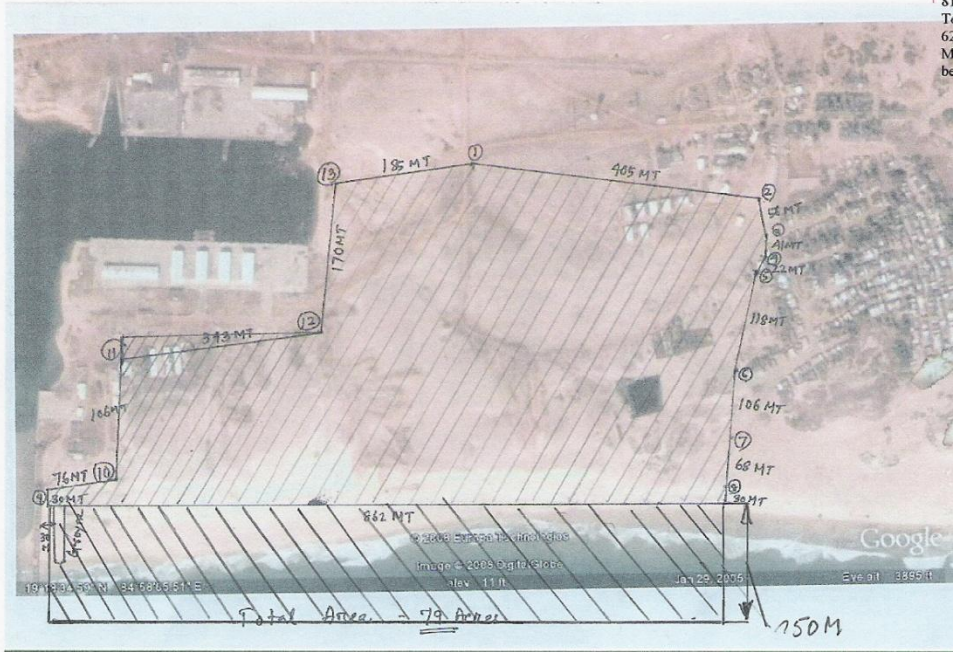


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**Fig.1 – The land to be leased from Gopalpur Port Limited.**

**The land to be reclaimed.**

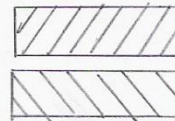
**The land balance:**

**1. The land to be leased .....79 acres**

**2. The land to be reclaimed .....32 acres**

**4. Wet dock and piers area ..... 83 acres**

**GGsRY total area .....approx.....194 acres**



# GOPALPUR GREEN SHIP RECYCLING YARD

ORISSA STATE, INDIA



# GOPALPUR GREEN SHIP RECYCLING YARD

ORISSA STATE, INDIA



## LEGEND TO THE LAYOUT:

- 1 Staff parking area - paved, 50 x 75 m.
- 2 Main office building for 100 persons of staff, 50 x 80 m.
- 3 Second hand / reusable goods from ships dismantling - store and sale, 100 x 80 m, 5 m high.
- 4 Electricity supply sub station, 50 x 50 m area, with transformers building.
- 5 Non ferrous scrap handling and processing area/workshop. Paved, open 50 x 80 m.
- 6 Second hand equipment handling area. Paved, open, 180 x 80 m.
- 7 Electronic scrap processing workshop, 50 x 80 m, 4 m high.
- 8 Cables processing workshop, 50 x 30 m, 5 m high.
- 9 Laboratory, social building, CASO office, 30 persons of staff, 2 floors, with observation tower 10 m high.
- 10 Cables storage/segregation area before processing, 50 x 30 m, paved, open.
- 11 Waste segregation areas, 18 000 m<sup>2</sup>, paved, open, with steel wire net fence 3 m high.
- 12 Insulation treatment/compacting workshop, 25 x 50 m, 4 m high.
- 13 Incinerator ( plasma? ), 80 x 90 m area, with closed store for segregation of hazardous wastes.
- 14 City / ballast water treatment system, 50 x 70 m, 4 m high.
- 15 City water storage tanks after ships cleaning, 12 m dia, 10 m height, 3 pcs.
- 16 Ozone depleting substances collection/handling area ( MARPOL 17 Reg ) 30 x 15 m, paved, open.
- 17 Deckhouse sections dismantling workshop, 120 x 35m, movable roofs, 5 m high, 3 segments.
- 18 Fire brigade & first aid building, 40 x 40 m, 2 floors.
- 19 Thin plates processing/compacting workshop, shredder, 40 x 40 m, open.
- 20 Deckhouse sections dismantling/processing area, 130 x 35 m, open.
- 21 Machinery dismantling area, 120 x 35 m, open, paved with heavy duty surface.
- 21a Machinery dismantling workshop, 120 x 35 m, movable roofs 12 m high, 3 segments.
- 22 Steel scrap collection areas for ship or land transport, 120 x 120 m and 110 x 30 m, open, with heavy duty surface.
- 23 Final cutting workshops, with hydraulic guillotines , 100 x 30 m, 5 m high, 2 workshops.
- 24,25 Secondary hull blocks cutting workshops, covered with movable roofs 240 x 35m, 12m high, 20 t gantry cranes inside.
- 26 Social building - changing facilities, sanitary rooms for 1000 workers, 50 x 50 m, canteen, with solar panels for heating of water on the roof.
- 27 Transport equipment base, 80 x 75 m, open, paved area with heavy duty surface.
- 28 Cutting gases storage / distribution tanks, 60 x 100m, open.
- 29 WATLAND System operation area, 3 positions, 35 x 300 m, open, served by 80 t portal cranes.
- 29a Cranes / heavy transporters operation / reloading areas, 6 positions, 40 x 35 m.
- 30 WATLAND pontoon, 340 x 45 m.
- 31 Vessel's pre cleaning pier, to obtain "ready for recycling" certificate, with a breakwater 8 m high over water level, pier 5 m high over water level.
- 32 Dismantling pier, 5 m high over water level, dismantling of the deckhouse, deck equipment and machinery.
- 33 GGSRY maintenance workshop, 50 x 75 m, 4 m high.
- 34 Inner port - mooring position for tug boats, pontoons, floating equipment.
- 35 Wet dock, 620 x 300/380 m, 7 m deep, depth for the WATLAND pontoon operation area to be defined.
- 36 Movable oil / waste stoppage gate, serving 150 m wide entrance to the wet dock.
- 37 Steel scrap loading pier, 5 m over water level, prolongation of the pier pos. 32.
- 38 Sewage treatment system, 70 x 70 m area, the system to be defined.
- 39 Second hand selling area parking, paved, abt. 5000 m<sup>2</sup>.
- 40 Entrance to GGSRY, gate 10 m wide, guard / supervisors house with change room, sanitary rooms, office, storage for arms.
- 41 Breakwater, 8 m high over water level, stone barrier before the breakwater, abt. 1400 m long.
- 42 Asbestos removal facility, with negative pressure, 50 x 20 m workshop, 4 m high.
- 43 Wastes intermediate storage / handling workshop, 100 x 20 m, 4 m high.
- 44 Ballast water treatment system compartment - 40 x 20 m, 4 m high.
- 45 Wind mills towers - 3 towers, foundations incorporated into breakwater / pier structure.

- handling hazardous wastes
- fire brigade, office and first aid service
- engaged mainly in recycling activity