

PROJECT FEATURE

PROJECT TITLE : **EXPANSION OF BACK-UP AREA WITH RORO RAMP**

LOCATION : **Port of Lipata, Surigao City, Surigao del Norte**

SCOPE OF WORK**A. CONSTRUCTION OF BACK-UP AREA**

(Area = 5,766.00 sq.m.)

1. Demolish and dispose existing CHB fence including turn-over to authority of steel fence (60 sq.m.) and chipping of existing rc curb flush to deck level (25 l.m.)
2. Construction of rock bulkhead (7,759 cu.m.), fill materials (22,389 cu.m.), reinforced concrete for retaining walls, rc curb, rc ditch and perimeter fence column (321 cu.m. of concrete and 40,219 kg of reinforcing bars of various sizes), CHB wall for perimeter fence (150mm thk. - 157 sq.m.), including plastering of CHB wall and column (390 sq.m.), fabrication and installation of various materials for steel fence (208 sq.m.)
3. Supply and drive of concrete piles (0.35m x 0.525m psc sheet piles - 1,274 l.m. and rc corner sheet piles - 35 l.m.), including chipping and cutting of newly driven piles up to required elevation (187 pcs.)
4. Construction of portland cement concrete pavement (250mm thk., 5610 sq.m.), including aggregate base course (1,141 cu.m.)
5. Construction of catch drain manhole (5 sets) and reinforced concrete pipe (610mmØ - 62 l.m.), including gravel bedding (6 cu.m.)
6. Supply and install geotextile fabric (2,330 sq.m.) and concrete block (9 cu.m.), including jute concrete (1 cu.m.)
7. Excavate existing seabed up to required elevation prior to laying of rocks (3,968 cu.m.)

B. CONSTRUCTION OF RC WHARF WITH RORO RAMPS

(Area = 1,801.16 sq.m.)

1. Supply and drive A252 Grade 2, 600mmØ x 13mm thk. Steel Pipe Piles (718 m.t.- 3,812 l.m.) including application of polyurethane external coating (1,299 sq.m.), cutting (170 pcs) and installation of reinforcing band tip (170 pcs)
2. Supply and place 3,500 psi concrete filler (486 cu.m.) and reinforcing steel cage (125,035 kgs of various sizes) for steel pipe piles including extraction of clogged materials (110 cu.m.)
3. Supply and place 3,500 psi concrete (1,028 cu.m.) and reinforcing steel bars (163,765 kg of various sizes) for superstructure
4. Supply and install mooring bollard, 35 tons, T-head (7 sets), rubber dock fender, V-type, (V-500H x 1500L - 19 sets) and used tire fender (4 sets)

C. PORT LIGHTING SYSTEM

1. Supply and installation of single angle bar floodlight steel post, 10.00m ht., hot dipped galvanized (4 sets) with 100 watt LED floodlight fixture (8 sets)

APPROVED BUDGET FOR THE CONTRACT : P 267,839,136.26
Sources of Funding : PPA Corporate Fund

TOTAL PROJECT COST : P 286,587,875.80

PROJECT DURATION : 600 C.D.