

PROJECT FEATURE

PROJECT TITLE : MASAO PORT IMPROVEMENT PROJECT
 LOCATION : Port of Masao, Butuan City, Agusan Del Norte

- SCOPE OF WORK :
- A. DEMOLITION, REMOVAL & EXCAVATION WORKS
 - 1 Demolition and removal works:
 - a. Removal of existing Paving blocks (1,521 sq.m.)
 - b. Demolition of existing Concrete pavement (6,258 sq.m.)
 - c. Demolition of existing R.C. Wing wall and R.C. Curb (153 cu.m.)
 - d. Chipping portion of existing coping/wing/retaining walls and mooring block (11 cu.m.)
 - e. Removal of existing Mooring bollard (6 sets)
 - f. Removal of existing G.I Pipe Ramp Railing (1 lot)
 - g. Removal of existing Lamp post (3 sets)
 - 2 Excavation and extraction works:
 - a. Extraction of existing rock bulkhead (693 cu.m.)
 - c. Excavation/backfill of existing fill (2,301 cu.m.)
 - B. UPGRADING AND EXPANSION OF EXISTING BACK-UP AREA
 - 1 Pile Driving works:
 - a. PSC Sheet piles, 350 x 600mm (5,175 l.m.)
 - b. R.C. Corner piles (75 l.m.)
 - c. Tubular Steel Sheet piles, 600mm dia. x 9mm thk. (469 m.t.)
 - 2 Reinforced concrete works:
 - a. Placing of sand filler (222 cu.m.)
 - b. Fabrication/Installation of reinforcing cage (23,050 kg.)
 - c. Placing of 3,500 psi concrete filler (95 cu.m.)
 - d. Placing of 3,500 psi concrete (645 cu.m.)
 - e. Fabrication/Installation of reinforcing steel (64,096 kg.)
 - 3 Reclamation works:
 - a. Installation/laying of armour rocks (344 cu.m)
 - b. Installation/laying of core rocks (8,086 cu.m)
 - c. Installation of tie-rods (various sizes, 117 sets)
 - d. Installation of Geotextile fabric (4,419 sq.m.)
 - e. Placing of sand and gravel fill (19,972 cu.m.), selected fill (3,502 cu.m)
 - 4 Paving works:
 - a. Placing of aggregate base course (1,924 cu.m.)
 - b. Placing of CTB (1,547 cu.m.) and Sand cushion (2,053 cu.m.)
 - c. Installation of interlocking paving blocks (3,042 sq.m.)
 - d. Const. of Portland Cement Concrete pavement (1,190 sq.m.)
 - 5 Mooring and Fender system:
 - a. Installation of rubber dock fenders (V-type, 11 sets)
 - b. Installation of mooring bolidard (T-head, 25T, 10 sets)
 - 6 Portlighting system:
 - a. Installation of wires, cable, conduit pipes (1 lot)
 - b. Installation of protective devices (1 lot)
 - c. Construction of R.C. concrete pedestal post, duct bank, handhole and lamp post foundation (1 lot)
 - d. Re-installation of old lamp post & provision of new anchor bolts (3 sets)

APPROVED BUDGET FOR THE CONTRACT	:	Php	236,339,767.43
SOURCES OF FUNDING	:	PPA Corporate Fund	
TOTAL PROJECT COST	:	Php	250,520,153.47
PROJECT DURATION	:	540 Calendar Days	