

PROJECT FEATURE

PROJECT TITLE	:	EXTENSION OF RC PIER AND CONSTRUCTION OF BACK-UP AREA WITH RORO RAMP ON FILL
LOCATION	:	Port of Sultan Naga Dimaporo, Lanao del Norte
SCOPE OF WORK	:	<p>A. CONSTRUCTION OF RC PIER (Area = 540.00 sq.m.)</p> <ol style="list-style-type: none"> 1. Supply and drive 450mm x 450mm PSC piles (2,960 l.m.), including chipping and cutting of newly driven piles up to required elevation (80 pcs), splicing (80 pcs), supply and place 3,500 psi reinforced concrete (301 cu.m.) and steel bars (35,403 kg of various sizes) for superstructure 2. Supply and install rubber dock fenders, V-Type, 500H x 1,500L (20 sets) and mooring bollards, 35 tons, T-head (10 sets) <p>B. CONSTRUCTION OF BACK-UP AREA (Area = 2,950.00 sq.m.)</p> <ol style="list-style-type: none"> 1. Construction of rock bulkhead (7,920 cu.m.), fill materials (18,363 cu.m.), reinforced concrete for retaining wall, anchor wall, rc curb, wing wall and mooring block (484 cu.m. of concrete and 34,883 kg of reinforcing bars of various sizes) 2. Supply and drive of concrete piles (0.35m x 0.525m psc sheet piles - 3,240 l.m., rc corner sheet piles - 80 l.m. and 0.45m x 0.45m PSC piles - 946 l.m., including chipping and cutting of newly driven piles up to required elevation (209 pcs). 3. Construction of portland cement concrete pavement of various thickness (PCCP, 300mm thk.-108 sq.m. and PCCP, 250mm thk. - 2,777 sq.m.) including aggregate base course (577 cu.m.) 4. Supply and install of geotextile fabric (3,399 sq.m.), tie rod of various sizes (4 sets - 32mmØ x 12.00m and 43 sets - 60mmØ x 13.00m) and anchor block (4 pcs), including gravel bedding (5 cu.m.) 5. Supply and install rubber dock fender, V-type, 500H x 1500L (3 sets) and mooring bollards (35 tons, T-head - 2 sets) 6. Excavate existing seabed up to required elevation (1,524 cu.m.) <p>C. UPGRADING OF EXISTING ROCK CAUSEWAY (Area = 1,191.10 sq.m.)</p> <ol style="list-style-type: none"> 1. Demolish and dispose existing concrete pavement (764 sq.m.) and existing rc curb foundation (82 cu.m.) 2. Scrape/cut and dispose existing materials up to required elevation (54 cu.m.), including subgrade preparation (764 sq.m.) 3. Construction of rock bulkhead (2,180 cu.m.), fill materials (81 cu.m.), reinforced concrete for retaining wall and rc curb (90 cu.m. of concrete and 7,104 kg of reinforcing bars of various sizes). 4. Construction of portland cement concrete pavement (PCCP, 250mm thk. - 1,159 sq.m.) including aggregate base course (211 cu.m.) 5. Supply and install of geotextile fabric (336 sq.m.)

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**D. EXTENSION OF ROCK CAUSEWAY
(Area = 945 sq.m.)**

1. Remove and turn-over to authority existing mooring cleat (2 sets) and existing steel lamp post (4 sets)
2. Demolish and dispose existing rc deck (450 sq.m.) including chipping and cutting of existing concrete piles up to el. MLLW (54 pcs)
3. Construction of rock bulkhead (4,983 cu.m.), fill materials (1,938 cu.m.), reinforced concrete for retaining wall and rc curb (345 cu.m. of concrete and 34,684 kg of reinforcing bars of various sizes).
4. Construction of portland cement concrete pavement (PCCP, 250mm thk. - 815 sq.m.) including aggregate base course (162 cu.m.)
5. Supply and install of geotextile fabric (1,942 sq.m.)

E. PORT LIGHTING SYSTEM

1. Supply and installation of single arm steel tapered lamp post, 10.00m ht., hot dipped galvanized (10 sets) with 100 watt LED roadway fixture (10 sets) and single angle bar floodlight steel post, 10.00m ht., hot dipped galvanized (2 sets) with 100 watt LED floodlight fixture (4 sets)

APPROVED BUDGET FOR THE CONTRACT : **P 205,299,409.79**
Sources of Funding : **PPA Corporate Fund**

TOTAL PROJECT COST : **P 221,723,362.58**

PROJECT DURATION : **480 C.D.**