PROJECT FEATURE

PROJECT TITLE	:	OPOL PORT EXPANSION AND RESTORATION PROJECT
LOCATION	:	Brgy. Luyong, Bonbon, Opol, Misamis Oriental

A. DEMOLITION, REMOVAL AND EXCAVATION WORKS

1 Remove and turn-over to PPA existing mooring bollard and accessories (9 no.)
2 Remove existing fender and turn-over to PPA (17 no.)
3 Removal of existing solar lamp post and re-install to new locations (4 no.)
4 Demolish and dispose existing R.C. wharf deck (2,700 sq.m.)
5 Cut and dispose existing conrete piles up to elevation (400 no.)
6 Demolish and dispose portion of existing concrete pavement for transition ramp (659 sq.m.)
7 Chip-off portion of existing retaining wall prior to construction of retaining wall 3 (10 m.)
8 Excavate/backfill existing fill for retaining wall, lamp post foundation, handhole, duct bank and PVC installation (181 cu.m.)
9 Remove and re-install existing paving blocks for the construction of lamp post foundation, handhole, duct bank and PVC installation (192 sq.m.)

B. UPGRADING OF BERTHING FACILITY, PHASE 1 AND PHASE 2

1 Supply and deliver steel pipe sheet piles (A252 Grade 2, Ø 900mm x 13mm thk) (2,262 m.t.)
2 Supply and welding of O-pile connector to the steel pipe pile, 1 pc. male and 1 pc. female (156,714 kg.)
3 Application of polyurethane external coating for steel pipe sheet piles (Polyurethane @ 1,500 microns dry film thickness or equivalent) (7,775 sq.m.)
4 Handle, pitch and drive steel pipe sheet piles (Ø 900mm x 13mm thk) (7,955 l.m.)
5 Supply and install steel channel/wale, dowel bars, steel plates, bolts and other accessories/incidentals for steel waling (16,090 kg.)
6 Supply and place sand fill for steel pipe piles (952 cu.m.)
7 Supply and place 3,500 psi concrete filler for steel pipe sheet piles (450 cu.m.)
8 Supply and install steel cage bar for steel pipe sheet piles (56,067 kg.)
9 Supply, deliver and drive 450mm x 450mm PSC anchor piles (720 l.m.) including splicing (18 no.) and chipping/cutting of PSC pile up to required elevation (18 no.)
10 Supply, place and compact gravel bedding (23 cu.m.)
11 Supply and place 3,500 psi. concrete for retaining wall, coping wall, anchor pile wall, mooring block, anchor block, RC curb, lamp post foundation, duct bank, handhole and pedestal post (1,207 cu.m.)
12 Supply and install steel reinforcement for retaining wall, coping wall, anchor pile wall, mooring block, anchor block, RC curb, lamp post foundation, duct bank, handhole and pedestal post (92,815 kg)
13 Supply and place 3,000 psi concrete fillers in jute bags for concrete blocks (11 cu.m.)
14 Supply and place 3,000 psi concrete blocks, (171 cu.m.), 1,000 kg. armour rocks (627 cu.m.) and 50-100 kg. core rocks, (18,888 cu.m.)
15 Supply and install tie-rod (steel 45) of various sizes, including accessories (264 set)
16 Supply and install geotextile filter fabric, (7,196 sq.m.), supply and place sand and gravel fill, (37,380 cu.m.) and supply, place and compact aggregate sub-base course (4,881 cu.m.)
17 Construct portland cement concrete pavement (300mm thk) including dowel bars and construction joints (6,138 sq.m.) and supply, spread and compact aggregate base course (1,228 cu.m.)
18 Excavation and backfilling works for catch drain manhole, RCPC and lamp post foundation (215 cu.m.)
19 Construct catch drain manhole including installation of hot-dipped galv. angle bar 200mm x 200mm x 12mm (12 set), supply and install reinforced concrete pipe culvert (RCP) Ø 600mm (155 l.m.)
20 Supply, deliver and install rubber dock fender (V-type, 500H x 1500L) including accessories (18 set) and 35T mooring bollard, T-head, including accessories (18 set)
21 Construct port lighting system (1 lot)

APPROVED BUDGET FOR THE CONTRACT	:	Php	732,767,234.14
SOURCES OF FUNDING	:	PPA Corporate Fund	
TOTAL PROJECT COST	:	Php	828,026,974.58
PROJECT DURATION	:	720 Calendar Days	