PROJECT FEATURE

PROJECT TITLE	:	**ESPERANZA PORT RESTORATION PROJECT**
LOCATION	:	**Port of Esperanza, Masbate**

A. DEMOLITION, REMOVAL AND EXCAVATION WORKS

1 Remove existing mooring bollard and rubber dock fender (for re-installation with new accessories) (12 no.)
2 Removal of existing lamp post and turn-over to the PPA authority (1 no.)
3 Demolition of existing pavement (858 sq.m .)
4 Demolition of upper portion of existing retaining wall for the installation of tie-rod (81 l.m.)
5 Excavation of existing fill/scoured materials (1,037 cu.m.)

B. PORT OPERATIONAL AREA

1 Supply and deliver to site Z-type hot rolled steel sheet pile, (Sx≥4,228 cm3/m; Steel Grade = S355) (446 m.t.)
2 Handle, pitch and drive Z-type hot rolled steel sheet pile, (Sx≥4,228 cm3/m; Steel Grade = S355) (3,120 l.m.)
3 Supply and weld steel reinforcement for sheet pile dowel bars (2,462 kg.)
4 Supply and install steel sheet pile connector (Unit wt: 10.22 kg/m, Steel Grade S355) (20 l.m.)
5 Supply and install steel channel/wale, dowel bars, steel plates, bolts and other accessories/incidentals for steel waling (9,432 kg.)
6 Supply, deliver and drive 400mm x 400mm PSC anchor piles (200 l.m.) including chip/cut up of driven PSC piles to required elevation (10 no.)
7 Supply, place and compact gravel bedding for catch drain manhole and reinforced concrete pipe culvert (8 cu.m.)
8 Supply and place 3,500 psi. concrete for retaining wall, anchor wall, fender and mooring block, anchor block, RC curb and lamp post foundation (367 cu.m.)
9 Supply and install steel reinforcement for retaining wall, anchor wall, fender and mooring block, anchor block, RC curb and lamp post foundation (28,397 kg)
10 Supply and place 50-100 kg. core rocks, (2,260 cu.m.)
11 Supply and install tie-rod (steel 45) of various sizes, including accessories (83 set)
12 Supply and install geotextile filter fabric, (1,803 sq.m.), supply and place sand and gravel fill, (7,613 cu.m.) and supply, place and compact aggregate sub-base course (1,878 cu.m.)
13 Construct portland cement concrete pavement (300mm thk) including dowel bars and construction joints (2,073 sq.m.) and supply, spread and compact aggregate base course (415 cu.m.)
14 Excavation and backfilling works for reinforced concrete pipe culvert, catch drain manhole and lamp post foundation (1,277 cu.m.)
15 Construct catch drain manhole including installation of hot-dipped galv. angle bar 200mm x 200mm x 12mm (6
16 Supply and install reinforced concrete pipe culvert (RCP) Ø 600mm (80 l.m.)
17 Re-install mooring bollard and rubber dock fender including supply of new accessories (12 set)
18 Construct port lighting system (1 lot)

APPROVED BUDGET FOR THE CONTRACT	:	**Php**	**128,063,372.73**
SOURCES OF FUNDING	:	**PPA Corporate Fund**	
TOTAL PROJECT COST	:	**Php**	**144,711,611.19**
PROJECT DURATION	:	**450 Calendar Days**	