PROJECT FEATURE

PROJECT TITLE : **JASAAN PORT EXPANSION PROJECT**

LOCATION : **Port of Jasaan, Misamis Oriental**

: **A REMOVAL AND DEMOLITION WORKS**

1 Demolition and disposal of existing building structure (39 sq.m.)
2 Demolition and disposal of existing Portland Cement Concrete Pavement (621 sq.m.)
3 Demolition and exposure of existing riprap (279 sq.m.)
4 Chipping of existing RC curb (107 l.m.)
5 Removal of existing 35T Mooring Bollard and Mooring Bitt (9 no.) and V-Type Rubber Dock Fender and Truck Fenders (13 no.)
6 Demolition and disposal of temporary steel fence (30 l.m.)
7 Demolition and disposal of existing CHB fence (27 l.m.)
8 Removal of existing gate (4 l.m.)
9 Removal of existing lamp posts (14 no.) and twin floodlight lamp posts (2 no.)
10 Extraction of existing bulkhead (12 cu.m.)
11 Excavation of existing seabed (411 cu.m.)
12 Excavation of existing fill materials (827 cu.m.)

B ACCESS ROAD (173.58m X 9.00m)

1 Supply and placing of 3,500 psi concrete (270 cu.m.)
2 Supply and installation of reinforcing steel bars (25,885 cu.m.)
3 Supply and place gravel bedding (37 cu.m.)
4 Supply and placing of 50-100kg/pc core rocks (222 cu.m.) and 1,000 kg/pc. armour rocks (1,021 cu.m.)
5 Supply and installation of Geotextile Fabric (937 sq.m.)
6 Supply, spread and compact sand and gravel fill (148 cu.m.) and aggregate sub-base course (454 cu.m.)
7 Supply, spread and compact aggregate base course (376 cu.m.)
8 Construction of Portland Cement Concrete Pavement (1,882 sq.m.)
9 Construction of catch drain man hole (1 set)
10 Supply and installation of HDPE pipe 600mm dia. (13 l.m.) and 900mm dia. (38 l.m.)
11 Supply, delivery and installation of mooring cleats (10 set)
12 Construction of Security Fence (21 l.m.)
13 Re-installation of existing lamp posts (12 set)

C PORT OPERATIONAL AREA

1 Supply and driving of Z-Type steel sheet pile (133 m.t., 1,148 l.m.) including protective coating (859 sq.m.)
2 Supply and installation of dowel bars (1,457 kg.), steel waling and splice plate (5,355 kg.)
3 Supply and placing of 3,500 psi concrete (303 cu.m.)
4 Supply and installation of reinforcing steel bars (27,439 kg.)
5 Supply and installation of Ø44mm x 16m tie-rod (39 set)
6 Supply and placing of 50-100kg/pc core rocks (755 cu.m.) and 1,000 kg/pc. armour rocks (178 cu.m.)
7 Supply and installation of Geotextile Fabric (1,133 sq.m.)
8 Supply, spread and compact sand and gravel fill (4,584 cu.m.) and aggregate sub-base course (853 cu.m.)
9 Supply, spread and compact aggregate base course (269 cu.m.)
10 Supply and place gravel bedding (23 cu.m.)
11 Construction of Portland Cement Concrete Pavement (1,347 sq.m.)
12 Construction of security fence (77 l.m.)
13 Supply and installation of hot-dipped galvanized angle bar for const. joints (51 l.m.)
14 Supply, deliver and install electrical works for the port lighting system (1 set)
15 Supply, deliver and drive 450mm x 450mm x Vertical PSC pile for High Must Tower foundation (15 l.m.)

D RC WHARF, (SEGMENT 1)

1 Supply, deliver and drive Test Pile Ø 550mm x 39m steel pipe piles (13mm thick, A252 Grade 2) including splicing thereof (1 no)
2 Supply and deliver Ø 550mm steel pipe piles (13mm thick, A252 Grade 2) (636 m.t.) and application of polyurethane-base external coating (2,728 sq.m.)

3 Handle, pitch and drive Ø 550mm vertical steel pipe piles (1,900 l.m.) and batter steel pipe piles (1,764 l.m.) including splicing (96 no.) and cutting of driven SPP (97 no.)
4 Supply and install reinforcing cylindrical band plate at the tip of steel pipe piles (Ø 550mm) (2,446 kg) and extraction of clogged materials (73 cu.m.)
5 Supply and place 3,500 psi concrete filler (382 cu.m.) and supply and install steel cage bar for steel pipe piles (88,358 kg.)
6 Supply and placing of 3,500 psi concrete (427 cu.m.)
7 Supply and installation of reinforcing steel bars (74,462 cu.m.)
8 Supply and installation of hot-dipped galvanized angle bar for const. joints (68 l.m.)
9 Supply, deliver and install rubber dock fender (V-type, 500H x 1500L) (6 set) and mooring bollard, 35-Ton, Tee-head (3 set) including accessories

E RC WHARF WITH RORO RAMP (SEGMENT 2)

1 Supply, deliver and drive Test Pile Ø 550mm x 39m steel pipe piles (13mm thick, A252 Grade 2) including splicing thereof (2 no)
2 Supply and deliver Ø 550mm steel pipe piles (13mm thick, A252 Grade 2) (603 m.t.) and application of polyurethane-base external coating (2,620 sq.m.)
3 Handle, pitch and drive Ø 550mm vertical steel pipe piles (1,672 l.m.) and batter steel pipe piles (1,833 l.m.) including splicing (91 no.) and cutting of driven SPP (93 no.)
4 Supply and install reinforcing cylindrical band plate at the tip of steel pipe piles (Ø 550mm) (2,345 kg) and extraction of clogged materials (70 cu.m.)
5 Supply and place 3,500 psi concrete filler (367 cu.m.) and supply and install steel cage bar for steel pipe piles (84,840 kg.)
6 Supply and placing of 3,500 psi concrete (442 cu.m.)
7 Supply and installation of reinforcing steel bars (80,414 cu.m.)
8 Supply and installation of hot-dipped galvanized angle bar for const. joints (69 l.m.)
9 Supply, deliver and install rubber dock fender (V-type, 500H x 1500L) (8 set) and mooring bollard, 35-Ton, Tee-head (3 set) including accessories
10 Supply and install machine bended 20mm thick steel ramp protection with welded end cover and 100mm Ø pouring holes at 50mm interval (5 set)

F RECONSTRUCTION OF EXISTING RORO RAMP TO RC PLATFORM

1 Supply and placing of 3,500 psi concrete (48 cu.m.)
2 Supply and installation of reinforcing steel bars (10,901 cu.m.)
3 Supply and installation of hot-dipped galvanized angle bar for const. joints (31 l.m.)

G PASSENGER TERMINAL BUILDING

1 Construction of Passenger Terminal Building, complete with architectural finishes, structural, electrical, plumbing, fire pro., painting etc. (625 sq.m.)
2 Supply, delivery and installation of distribution transformer including accessories, metering, bill deposit and other incidental expenses
3 Supply, delivery and installation of 29.76 kwp Grid-Tied Solar power including net-metering application and other incidental expenses

H CONSTRUCTION OF COVERED WALKWAY

1 Excavation and backfilling works (124 cu.m.)
2 Supply and place gravel bedding (19 cu.m.)
3 Supply and placing of 4,000 psi concrete (47 cu.m.)
4 Supply and installation of reinforcing steel bars (4,635 cu.m.)
5 Supply, fabrication and installation of structural steel materials (19,094 cu.m.)
6 Supply and application of epoxy primer and quick drying enamel paint (395 sq.m.)
7 Construct catch basin including accessories (16 no.)
8 Supply and install drainage pipes and fittings including accessories (1 lot)
9 Supply and installation of pre-insulated panels pre-painted Hi-Rib Roofing (184 sq.m.)
10 Covered walkway electrical system (1 lot)

I CONSTRUCTION OF GATE COMPLEX 1 AND 2, AND GUARD HOUSE

1 Construction of Guardhouse and Gate Complex 1 and 2, complete with architectural finishes, structural, electrical, plumbing, painting etc.

APPROVED BUDGET FOR THE CONTRACT	:	Php	483,226,260.35
SOURCES OF FUNDING	:	PPA Corporate Fund	
TOTAL PROJECT COST	:	Php	546,045,674.20
PROJECT DURATION	:	660 Calendar Days	