

## PROJECT FEATURE

## PROJECT TITLE

: CONSTRUCTION OF BACK-UP AREA AND RC PIER

## LOCATION

: Port of Tagbilaran, Bohol

## SCOPE OF WORK

## : A. BACK-UP AREA ( 12,081.30 sq. m. )

- 1 Chip-off existing RC curb (288 l.m.)
- 2 Excavation of existing seabed (2,641 cu.m.) and fill materials (210 cu.m.) up to required elevation
- 3 Supply and drive 0.35m x 0.60m x 16m PSC sheet piles (3,120 l.m.)
- 4 Supply and drive R.C. Corner piles (64 l.m.)
- 5 Chip-off newly driven PSC sheet piles & R.C. Corner piles including disposal (199 no.)
- 6 Supply & place 3,500 psi. concrete (1,180 cu.m.)
- 7 Supply & installation of steel reinforcements (69,248 kgs.)
- 8 Supply and place 3,000 psi concrete blocks of various sizes (384 units)
- 9 Supply and place 50-100 kg. rocks (7,987 cu.m.)
- 10 Supply and installation of tie-rods of various sizes (steel 45) including accessories (81 sets)
- 11 Supply and installation of geotextile fabric (4,843 sq.m.)
- 12 Supply, place and compact sand and gravel fill (73,802 cu.m.), aggregate subbase course (12,497 cu.m.), aggregate base course (1,835 cu.m.) and gravel bedding (45 cu.m.)
- 13 Supply and installation interlocking of concrete paving blocks (9,580 sq.m.) including cement treated base course (1,581 sq.m.) and leveling course sand cushion (479 sq.m.)
- 14 Construction of portland cement concrete pavement (300mm thk) including dowel bars and construction joint (1,412 sq.m.)
- 15 Supply and installation of Rubber Dock Fender (V600H x 1,000L) (9 sets) including accessories
- 16 Supply and installation of Mooring Bollard (25-Tons, T-head) (5 sets) and (15-Tons, T-head) (9 sets) including accessories
- 17 Supply and installation of trench grate cover including angular frame for lateral drainage (34 l.m.)
- 18 Supply and installation of 900mm ø reinforced concrete pipe culvert (187 l.m.)
- 19 Supply and installation of port lighting system (1 lot) including pile foundation (44 l.m.)

## B. RC PIER (15m x 150m)

- 1 Supply and drive 450mm x 450mm x 29m PSC test piles (2 no.)
- 2 Supply and drive 450mm x 450mm PSC piles (5,064 l.m.)
- 3 Chip-off/cutting of newly driven PSC piles up to required elevation (178 no.)
- 4 Supply and drive 550mmØ steel pipe test pile with protective external coating (10 m.t.)
- 5 Supply and delivery to site steel pipe piles (A252 Grade 2, 550mm ø x 9mm & 12mm thk) (314 m.t.) including application of polyurethane external coating (2083 sq.m.) and supply and installation of 9mm thk. reinforcing band tip (66 no.)
- 6 Handle, pitch and drive vertical steel pipe piles (550mm ø x 9mm & 12mm thk) (1,088 l.m.)
- 7 Handle, pitch and drive batter steel pipe piles (550mm ø x 9mm & 12mm thk) (1,056 l.m.)
- 8 Splicing of 550mm dia steel pipe piles (68 no.)
- 9 Extraction of clogged materials from steel pipe piles (45 cu.m.)
- 10 Cutting of driven steel pipe piles up to cut-off elevation including turning over to authority of recovered pile materials (68 no.)
- 11 Supply and installation of reinforcing steel cage for steel pipe piles (69,277 kgs.)
- 12 Supply and place 3,500 psi concrete filler for steel pipe piles (301 cu.m.)
- 13 Supply and place 3,500 psi concrete for the superstructure (883 cu.m.)
- 14 Supply and installation of steel reinforcements for the superstructure (136,078 kgs.)
- 15 Supply and installation of hot-dipped galvanized angle bar, 100mm x 100mm x 10mm, as construction joint including dowel bars (101 l.m.)
- 16 Supply and installation of Rubber Dock Fender (V500H x 1,500L) (8 sets) and (V600H x 1,500L) (13 sets) including accessories
- 17 Supply and installation of Mooring Bollard (35-Tons, T-head) (8 sets) and (50-Tons, T-head) (13 sets) including accessories

## APPROVED BUDGET FOR THE CONTRACT

: Php 491,652,486.14 / / /

## SOURCES OF FUNDING

: PPA Corporate Fund

## TOTAL PROJECT COST

: Php 555,567,309.33 / /

## PROJECT DURATION

: 600 Calendar Days /

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