



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
 Don Severino delas Alas Campus  
 Indang, Cavite

**BILL OF QUANTITIES**

IMPROVEMENT OF WATER SPORTS FACILITY FOR SPORTS DEVELOPMENT AND LOCAL TOURISM (SALUYSOY RESORT)					
ABC: ₱ 6,031,817.88				Bill of Quantities	
COLLEGE/UNIT/CAMPUS: MAIN CAMPUS					
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	EARTHWORKS (Pesos _____ _____ and _____ centavos)				
II	CONCRETE WORKS (Pesos _____ _____ and _____ centavos)				
III	MASONRY AND TILE WORKS (Pesos _____ _____ and _____ centavos)				
IV	CARPENTRY WORKS (Pesos _____ _____ and _____ centavos)				
V	MISCELLANEOUS WORKS (Pesos _____ _____ and _____ centavos)				
VI	RAFTER AND ROOFING WORKS (Pesos _____ _____ and _____ centavos)				
VII	ELECTRICAL WORKS (Pesos _____ _____ and _____ centavos)				

VIII	PAINTING WORKS (Pesos _____ _____ and _____ centavos)				
<b>GRAND TOTAL</b> _____					
<b>Write grand total in words</b> _____ _____ _____					

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Name of Bidder/Bidder's Representative: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Construction Company/Contractor: \_\_\_\_\_

## **CAVITE STATE UNIVERSITY**

### **SCOPE OF WORK:**

#### **A. IMPROVEMENT OF WATER SPORTS FACILITY FOR SPORTS DEVELOPMENT AND LOCAL TOURISM (SALUYSOY RESORT)**

##### **GENERAL NOTES:**

1. The project should be finished for 120 calendar days.
2. There is an existing structure. Site inspection is a must to verify site condition.
3. The area should be cleared/cleaned before and after the construction work at least six meters away from the building line. Unusable used formworks, excessive soil fill and all other unwanted debris of construction works should be disposed properly.
4. Mobilization
  - a. Provide the following:
    1. Billboard
    2. Bank house, temporary office and temporary comfort rooms
    3. Site enclosure

#### **B. Technical Description**

##### **I. Earthworks**

###### **A. Excavation/backfilling/chipping/clearing**

1. Remove and replace all gazebos.
2. This work includes chipping and excavation and backfilling for footings.

##### **II. Concrete Works**

###### **A. Construction of Retaining walls (57.60 meters)**

1. Concrete walls include wall footings and retaining walls.
2. Strength of concrete to be adopted shall be **3,500 psi**.
3. Cast-in-place concrete
  - Concrete works should be rough cement finish.
  - Use deformed bar grade 40. See plan for sizes of bars needed.

###### **B. Construction of retaining wall between two pools (20.0 meters) and railing at view deck**

1. Concrete walls include wall footings and retaining walls.
2. Strength of concrete to be adopted shall be **3,500 psi**.
3. Cast-in-place concrete
  - Concrete works should be rough cement finish.
  - Use deformed bar grade 40. See plan for sizes of bars needed.

###### **C. Construction of stairs (57.0 meters)**

1. Concrete walls include wall footings and steps.
2. Strength of concrete to be adopted shall be **3,500 psi**.
3. Cast-in-place concrete
  - Concrete works should be rough cement finish.
  - Use deformed bar grade 40. See plan for sizes of bars needed.

###### **D. Construction of walkway (160.0 x 1.30 x 0.10 meters)**

1. Strength of concrete to be adopted shall be **3,500 psi**.
2. Cast-in-place concrete
  - Concrete works should be rough cement finish.
  - Use deformed bar grade 40. See plan for sizes of bars needed.

###### **E. Construction of two gazebos**

1. Concrete works include columns/wall footings, tie beams and slab.
2. Strength of concrete to be adopted shall be **3,500 psi**.
3. Cast-in-place concrete
  - Concrete works should be rough cement finish.
  - Use deformed bar grade 40. See plan for sizes of bars needed.

##### **III. Masonry and Tile Works**

1. Provide CHB #4 for stairs going to the river.
2. Supply and installation of unglazed ceramic tiles for two units gazebos.
3. Provide rubble finish design for all columns (gazebo), retaining wall (between pool) and railing.
4. Replacement of all damaged/dilapidated tiles for all swimming pools.
5. Retouching of all chips and cracks of existing stairs.

#### **IV. Carpentry Works**

1. Provide formworks and scaffolding.

#### **V. Miscellaneous Works**

##### **A. Supply and installation of the following:**

1. 2" stainless pipe (404) for stair railings of existing two stairs
2. 2" G.I. pipe (S-40) for stair railings of stair going to the river
3. 3" G.I. pipe (S-40) for railings of view deck

#### **VI. Rafter and Roofing Works**

##### **A. Rafter**

1. See plans for sizes of bars and other details for the installation of steel trusses.
2. This work also includes painting of two (2) coats of epoxy primer and two (2) coats of Quick Dry Enamel black.
3. Provide necessary tools and equipment.
4. All joint connections should be fully welded.
5. Use galvanized tubular bar 2" x 4" for purlins at 0.60 meters on center.
6. Use galvanized tubular bar 2" x 6" as fascia board.
7. Provide 4 - 16 mm Ø anchor bolts with nut and washer for each support.

##### **B. Roofing**

1. Adopt gauge 26 (0.5mm) rib type pre-painted roof sheets.
2. Adopt gauge 26 x 18 (0.5mm) pre-fabricated and pre-painted ridge roll.
3. All attachment for roofing sheet and ridge roll shall be 2 ½ teckscrew for metal.
4. Provide water sealant for all attachment (water sealant should be provided for both inside and outside surface of teckscrew head).

#### **VII. Electrical Works**

##### **A. Supply and installation of the following:**

1. 30 units galvanized lamp post (15')
2. 30 units 30-watt, 400K (cool white) 220 V, 3300 lumens, IP 65 435 x 190 80 mm.
3. 4 units wall lamp with LED 7-watt bulb
4. 8 units fluorescent lamp T8 LED
5. 12 units weatherproof outlet (2-gang)
6. 2 sets 1-gang switch
7. 12 pcs deep type PVC octagonal box
8. 14 pcs deep type PVC utility box
9. Wirings, fittings, and panel board are included.

#### **VIII. Painting Works**

1. Repainting of all concrete wall at swimming pool (A)
2. Painting of all new structures (two gazebos, view deck railing and retaining wall between two swimming pools).

- C.** See plans/consult the end-user and project inspector for details and extent of work. The silence of specifications, plans, special provisions and supplementary specifications as to any detail, or the apparent omission therein of detailed description or definition of the quality of materials and workmanship shall be regarded to mean that only materials and workmanship of first class quality are to be used or employed.