



Republic of the Philippines  
**Tourism Infrastructure & Enterprise Zone Authority**

**MANPOWER & EQUIPMENT**

Project: **PROVISION OF FLOOD CONTROL SYSTEM AND REHABILITATION OF DRIVING RANGE AND NETTING (PERIMETER DRAINAGE AT FAIRWAY)**

Location: CIGC, Intramuros Manila

Duration: 210 CD

Minimum Required Manpower	Quantity
a. Project Manager	1
b. Project Engineer	1
c. Materials Engineer	1
d. Part-time Safety Officer	1
e. Certified First Aider	1
f. Project Foreman	1
g. Leadman	1
h. Skilled Worker	48
i. Helper/Laborer	90

Minimum Required Equipment	Quantity
1 Basic Construction Tools	1 lot
2 Backhoe, Wheel Mounted, PW60N-1 (0.28 cu.m)	1
3 Pavement/Concrete Breaker, Stanley BR67 (30kg)	1
4 Payloader (110 Hp), LX80-2C (1.50 cu.m)	1
5 Dump Truck (290 Hp), All Models (12-15 cu. Yd)	1
6 Jackhammer	1
7 Air Compressor (130 Hp), All Models (356-450 cfm)	1
8 Plate Compactor (5 Hp), 400-500 Gasoline Engine	1
9 Water Truck/Pump (564 Hp), All makes (3001 - 5000 gal.)	1
10 Water Truck/Pump (864 Hp), All makes (6001 - 10000 gal.)	1
11 Motorized Road Grader (140 Hp), G710A	1


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Minimum Required Equipment	Quantity
12 Vibratory Roller (125 Hp), SD100DC (10 m.t)	1
13 Concrete Vibrator (Flex. Shaft, 2" Head $\phi$ , 5A Gasoline Drive)	1
14 Concrete Screeder (5.5 Hp), Wacker Truss Screened	1
15 Concrete Saw (7.5 Hp), 14" Blade $\phi$ , 4 3/4" Cutting Depth	1
16 Bar Cutter (Gr 40, 25mm $\phi$ Single Phase)	1
17 Bar Bender (Gr 40, 25mm $\phi$ Three Phase)	1
18 One Bagger Mixer	1
19 Water Truck/Pump (864 Hp), All Makes	1
20 Welding Machine (48 Hp, 400A), Gas/Diesel Driven	1
21 Welding Machine (Electric Driven/DC Output), 500A	1
22 Cargo Truck (270 Hp), All Makes (9-10 m.t)	1
23 Cargo Truck, All Makes (2-5 m.t)	1
24 Generator Set (301-350 KW)	1
25 Applicator Machine	1
26 Kneading Machine	1
27 Water Pump, 100mm suction $\phi$ (2,6687 lpm, 16 hp)	1
28 Crawler Crane (190 Hp), All Models (41-45 mt)	1
29 Crane Barge (275 Hp), DWT-450 Tons (60T)	1
30 Electric Drill	1
31 Truck Mounted Crane (256 Hp), All Models (41-45 mt)	1
32 Vibro Hammer (205 Hp), AKP300 Hydraulic Pile Driver (25T)	1
33 Cutting Outfit	1

Prepared By:

  
**ENGR. RENE LENARD M. BUENAVENTURA**  
 Estimator

Checked by:

  
**ARTHUR O. ANONUEVO**  
 Officer-in-Charge, PMD

Noted:

  
**JEFFREY L. MACALALAD**  
 Officer-in-Charge, PEPD