

CAVITE STATE UNIVERSITY

SCOPE OF WORK:

A. COMPLETION OF HRM HOSTEL BUILDING AT CARMONA CAMPUS

GENERAL NOTES:

1. The project should be finished in 150 calendar days.
2. There is an existing structure. Actual site inspection is a must.

B. Technical Description

I. Earthworks

A. Excavation/ backfilling/ clearing

1. This work includes excavation for septic tank, storm drainage, and catch basin.
2. The area should be cleared before and after the construction works. Unusable used formworks and all other unwanted debris of construction works should be disposed properly.

B. Additional fill and soil poisoning.

1. Provide additional fill.
2. The area within the specified grid of the building should be treated with termite proofing.
3. Gravel fill: 0.05m thick

II. Concrete, Masonry and Tile Works

Concrete works include slab on fill at stage, all lavatory counters and all other components needed to complete the structure.

A. Cast-in-place concrete

1. Strength of concrete to be adopted shall be 3000 psi.
2. Concrete works should be plain cement finished.
3. Provide necessary tools and equipment needed for concrete works.

B. Steel reinforcement

- 1.

- A. Doors
 - 1. 1.0 set of D-colored glass on colored powder coated finish
 - 2. 1.0 set of D-colored glass on colored powder coated finish
 - 3. 4.0 sets of D-
 - 4. 11.0 sets of D-
 - 5. 4.0 sets of D-6 (0.60m x 1.40m) Aluminum frame door complete with all accessories and aluminum cladding
 - 6. 9.0 sets of D-7 Aluminum frame door complete with all accessories and with decorative glass window
- B. Windows
 - 1. 18.0 sets of W-aluminum jamb
 - 2. 4.0 sets of W-col aluminum jamb
 - 3. 1.0 set of W-aluminum jamb
 - 4. 4.0 sets of W-aluminum jamb
 - 5. 2.0 sets of W-col aluminum jamb
- C. Stainless sheet for Working Tables
 - 1. Provide ga. 16 stainless sheet for all working tables including 0.60m of its wall.
- D. Stainless Railings (for stairs, ramp and grab rail for PWD CR)
 - 1.
- E. Fire Escape Ladder
 - 1.
- F. Waterproofing
 - 1. Provide three (3) coats of waterproofing for the whole gutter, roof deck area and all comfort rooms.

V. Electrical Works

- 1. Installation of feeder line and secondary post including all its accessories.
 - a. Installation of MDP, ACP, LP and all other panel boards on the plan and their circuit breakers. Bolt on Nema Standard should be used. Tap to the source including testing. (see plans)
- 2. Installation of wiring/ conductors and PVC conduits/ junction box/ utility box/ from main/ sub-main panel boards to convenience outlet/ light outlet/ ACU outlet (see plans for details).
 - a. Use THHN stranded wire. Phelps dodge or approved equal should be used.
 - b. PVC conduit orange pipe with sizes as indicated on the plan.
 - c. Utility and junction boxes should be PVC and deep type.
- 3. Installation of electrical fixtures/ switches/ outlets/ and other electrical devices. Use Bticino, National, or its approved equal)
 - a. Switches
 - b. Two gang convenience outlets (with ground)
 - c. 2-18W LED fluorescent lamp with diffuser (35 sets)
 - d. 1-18W LED fluorescent lamp with diffuser (9 sets)
 - e. Pinlight with 9W LED bulb (62 sets)
 - f. Spotlight 20W LED (2 sets)
 - g. Wall lamp with 7W LED bulb (8 sets)
- 4. Consult plan for details and extent of works.

5. Construction of service entrance is included.
6. Tap to the source, testing and commissioning are included.

VI. Plumbing Works

A. Water Supply Line

1. Adopt PPR pipes and fittings for water lines.
 - a.
 - b. Provide a gate valve for every comfort room.
2. tapping to the source is included.
3. No pipe should be embedded without testing it to leak.

B. Sewer Line and Down Spout

1. Adopt PVD heavy duty orange pipes and fittings for ventilation, downspout, and the whole sewer line system including the septic tank fittings.
 - a.
 - b.
 - c. Provide brass roof drain.
2. Supply and installation of RCP for storm drainage (see plan).
3. Provide one (1) unit septic tank (see plan).
4. Provide a catch basin with concrete reinforced pipes.

C. Fixtures (All fixtures must be HCG, American Std. Toto or approved equal)

Provide the following for the comfort room and kitchen:

1. 1 set of bath tub
2. 13 sets of water closet
3. 5 sets of under the counter lavatory
4. 9 sets of wall hung lavatory with soap and tissue holder.
5. 9 sets of shower heads and valves.
6. 1 set of urinal
7. 9 sets of stainless sink (deep type)
8. 20 pcs of faucet (US std.)
- 9.
10. 20 pcs dome type brass roof drain strainer

VII. Painting Works (Note: Color of paint will depend upon the preference of the end-user. Paints and its accessories should be Boysen or approved equal)

The whole building should be painted both exterior and interior including doors.

A. Wood

1. Apply one coat of flat wall enamel white. Allow to dry overnight.
2. Repair minor surface imperfections with glazing putty. Let dry then sand.
3. Apply at least two coats of Quick Dry Enamel in the desired color. Allow an overnight inter coating interval.

B. Metal

1. Apply epoxy primer by brush or spray. Allow to dry for 24 hours. Apply suitable putty on imperfections.
2. Apply at least two coats of Quick Dry Enamel in the desired color.

C. Concrete

1. Treat the surface with concrete neutralizer. Mix one part with 16 parts water by volume.
2. Apply a skim coat as primer. Repair minor surface imperfections with a suitable putty. Let dry then sand.
3. Apply at least two coats of colored dirt resistant factory mixed semi glo 0 1 141.25 -125(I)2