

Site Development Phase – 1 Scope of Works

1. Mobilization

2. Demobilization

- Existing structures
- Existing pavements

3. Earthworks

- Survey works
- Clearing & Grubbing
- Removal of trees
- Cut and fill works
- Grading
- Compaction works

4. Road Networks

- Road tracing and survey works
- Preparation of sub base
- Preparation of base course
- Concreting of pavement
- Improvement of curb and gutter
- Improvement of sidewalk
- Improvement of parking area

5. Storm Drainage

- Pipe Trenching
- Pipe Laying
- Gravel bedding
- Backfill and compaction
- Installation of RCP pipes (Class II along sidewalk & class IV along road crossing) concrete collar
- Installation of curb inlet manhole and accessories
- Installation of outfall drainage with demolition and restoration of existing road.

- Installation of outfall structure
- Installation of service connection
- Testing and commissioning

6. Sanitary Sewer Line

- Pipe trending
- Roadfill and compaction
- Gravel bedding
- Installation of PVC sanitary pipes & fittings series 1000
- Installation of sewer manhole and accessories
- Installation of sewer service connection and accessories
- Installation of force main 150mØ steel pipe cement line
- Leak testing and commissioning

7. Construction of Lift station structure

With complete pumps, pipes/fittings, accessories and controller

8. Construction of Sewerage Treatment

Plant structure with complete pumps, blower, aerator, pipes and fitting accessories and all other electro mechanical equipment as mentioned in the process flow – SBR type

9. Water line and distribution system

- Pipe trending
- Backfill and compaction
- Sand bedding
- Installation of uPVC pressure pipe and fittings class 150
- Installation of valve and valve box, manhole and accessories
- Installation of Fire hydrant, valve, manhole and accessories
- Installation of Blow off valve, manhole and accessories
- Installation of air release / vacuum valve, manhole and accessories
- Installation of fitting thrust blocks
- Installation of service connection and accessories
- Testing and commissioning (leak test)

10. Electrical

- Installation of overhead transformers
- Installation of concrete poles and foundation accessories and service connections
- Installation of foundations, posts, lines, street lightings, and other accessories and services
- Installation of panel boards and accessories
- Tapping/Connection of power distribution lines to primary line of CDO power company
- Tapping/Connection of street lighting panel boards to primary line of CDO power company
- Permits and bonds for tapping connection
- Testing and commissioning

11. All other works/activities are indicated in the plans to complete the projects.

SCOPE OF WORKS:

MEQ / MOQ

1. Mobilization

(Construction of Tempacil and other utilities needed.)

2. Lay-out / Clearing and grading, Removal of trees

3. Demolition of Existing houses and pavement kerb and gutter and base course

4. Excavation, Gravel bedding, Backfill and Compaction

5. Soil Poisoning

6. Structural Works

a. Foundation works

- Fabrication and installation of Rebar
- Fabrication, Installation and Removal of formworks
- Pouring of Concrete

b. Columns (Ground to Roof deck)

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

c. Graded Beams / Beams

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

d. Slabs / Suspended Slab

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

e. Stair

- Fabrication and installation of Rebar for major reinforcement and ties

- Fabrication, installation and removal of formworks & scaffoldings

f. Elevator

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings
- Testing and Commissioning

g. Underground Reservoir

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffolding
- Testing and Commissioning

7. Metal Works

- Fabrication and installation of structural and metal works for exit stair

8. Architectural Works

- Installation of tiles from 2nd floor to 5th floor (slab, kitchen, toilet and laundry area)
- Installation of ceiling frame and panel (Ground floor to 5th floor)
- Installation of doors, accessories & hardware
- Fabrication and installation of Balcony railing, stair and step stopper
- Wall Painting (Exterior & Interior)
- Installation of Lightning fixtures (Ground floor to roof deck)
- Installation of Plumbing fixtures(2nd floor to roof deck)

9. Electrical

- Installation of rough-ins
- Installation of wires, devices and accessories
- Installation of panel boards
- Testing and commissioning

10. Mechanical

- Installation of pipes , controllers, pipe fittings and accessories
- Testing and commissioning

11. Sanitary Plumbing

- Roughing-ins for cold water line, soil pipes, roof drainage & accessories
- Ground drainage pipes
- Catchbasins
- Ground sanitary pipes
- Ground waterlines
- Leak test for drainage & storm drainage and pressure test

12. Fire protection

- Installation of Fire hydrant Siamese twin and accessories
- Installation of Dry stand pipe and fittings and accessories
- Installation of fire hose cabinet and accessories

13. Other Miscellaneous

- Installation of Genset & accessories
- Construction of Genset foundation
- Elevator equipment
- Construction of elevator shaft
- Installation of elevated water tank
- Septic tank
- Testing and commissioning

14. All other items indicated on plan to complete the work

15. Demobilization

- Hauling of excess material
- Removal of all Tempacil
- Cleaning of all areas

SCOPE OF WORKS:

WC/GH/SOQ/BOQ/EPQ

1. Mobilization

Construction of Temporary facilities and other utilities needed.

2. Lay-out / Clearing and grading, Removal of trees

3. Demolition of Existing houses and pavement curbs, gutters and base course

4. Excavation, Gravel bedding, Backfill and Compaction

5. Soil Poisoning

6. Structural Works

a. Foundation works

- Fabrication and installation of Rebar
- Fabrication, Installation and Removal of formworks
- Pouring of Concrete

b. Columns (Ground to Roof)

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

c. Graded Beams / Beams

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

d. Installation of, trusses and accessories, roofs with insulation as

e. Slabs / Suspended Slabs

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings

f. Stair

- Fabrication and installation of Rebar for major reinforcement and ties
- Fabrication, installation and removal of formworks & scaffoldings
- Painting of stairs and railings

7. Architectural Works

- Installation of tiles all floor level (slab, hallways, rooms, stairs, kitchen, toilet and laundry area)
- Installation of ceiling frame.
- Installation of doors, windows, and awning with complete accessories & hardware as per plan
- Fabrication and installation of Balcony railing, stair and step stopper
- Wall Painting (Exterior & Interior)
- Painting of all cabinet (Interior & exterior)
- Installation of Lightning fixtures as per plan
- Installation of Plumbing fixtures

8. Electrical works

- Installation of rough-ins
- Installation of wires, devices and accessories
- Installation of panel boards and electric meter/s
- Installation of TV and telephone lines with accessories
- Installation of exhaust fan and other necessary outlet provisions
- Testing and commissioning

9. Sanitary Plumbing

- Roughing-ins for cold water line, soil pipes, roof drainage & accessories
- Ground drainage pipes

- Catch basins
- Ground sanitary pipes
- Ground waterlines
- Leak test for drainage & storm drainage and pressure test

10. Other Miscellaneous

- Septic tank
- Testing and commissioning

11. All other items indicated on plan to complete the work

12. Demobilization

- Hauling of excess material
- Removal of all Temporary facilities
- Cleaning of all areas