

ATTACHMENT #2 – SCOPE OF WORK

Scope of Work for Building Perimeter wall at 75, Gregory's Road

The work consists of building a new perimeter wall along the kids play ground at 75, Gregory's Road, a US Embassy owned property. All the work shall be in accordance with recognized US and International Building and Construction codes. Construction shall be abide by all the Embassy rules and regulations including security and safety regulations

The methods that the contractor will use need to provide continuous progress on the job site according to the projected time line of 6 weeks. Any changes in construction from this Scope of Work shall be approved in advance in writing by the Contracting Officer.

All work described in this Scope of Work and the related drawings shall be completed by the contractor. The contractor shall provide qualified supervisory, technical and labor personnel capable of meeting the embassy requirements. The labor force shall possess the masonry, construction and fabrication skills for this project and sufficient staff to accomplish the work in a timely manner. The contractor will provide all necessary tools/equipment / materials vehicles required for this work

Contractor should ensure the minimum disturbance and no damages to the existing property of the premises and inside the building.

Work Description

Site Preparation

1. It is required to prepare the site by removing some of the installed play item and by establishing the working area. The rubber mats installed on the floor should not get damaged due to this construction. It may require protecting it using special covering.
2. The work site should be properly marked and equipped with a temporary fence to limit the entry. After determination of the risk involves with actual

construction works, embassy will provide PVC coated garden mesh to install it as a fence, if required

Perimeter wall Construction Works

1. The new perimeter wall will be constructed by keeping the existing perimeter wall. Total length of the wall is 100'
2. The new perimeter wall should bear any lateral load coming from the settled existing walls and the self-weight. Two walls should be bonded together and working as a single structure at the end of the project.
3. There are 12 nos of 10" x 10" reinforced column along the existing perimeter wall.
4. Base should be 4' below the earth surface. Excavation should be done only after supporting the existing defective perimeter wall. Vendor should use steel support and structure to keep the existing wall in place without buckling it or collapsing due to the excavation and or construction.
5. Column base should have a concrete screed of 3" thick and 3'x 3' area
6. Each column should have 3' x 3' x 10mm reinforced base as shown in the diagram. 4 numbers of 12mm tore steel bar and ¼" stirrup in each 6-7" interval should be used for reinforcement in columns. Concrete should be G25 grade.
7. Footing for the wall should be as shown in the figure using 4.5" x 6", 10mm tore steel and 6" thick G25 concrete
8. The construction should be done progressively to avoid catastrophic failure of the existing settled perimeter wall.
9. The wall foundation should be RCC 6" thick layer. The tore steel rods of two layers bottom at 4" and the top at 12" should be used in foundation. Rest of the details as shown in the diagram
10. Construct the wall with random rubble, no 1 quality and black color of 12" or closer blocks. Outer surface of the wall should not be plastered but should be smoothly finished using most flat surfaces of the rubbles.

11. After construction of the footing for columns as per the drawing, the wall should be built first, then the columns embedding the partly built walls as flushed column.
12. Bonding between the rubble wall and the column should be 100% defect free. Essentially the rubble wall should have bonding edge in to the column to serve the intended purpose.
13. There are three main columns in the walls, two in two corners and one in middle as shown in the picture. Those should have 12 mm top bars for reinforcement.
14. Columns and the wall should be consistently built together in vertical direction to make the complete wall a single structural unit to improve the load bearing capacity of it in any direction.
15. There must be a 4" thick joint lintel on top of both walls and covering the columns too, so that the Reinforcement on it should be two numbers of 10mm top bars and 1/4" stirrups in each 10" interval.
16. Columns and the top lintel should come about 1/2" out from the walls to cover all the unevenness on finished rubble walls.
17. The top lintel and the columns need two coats of CIC weather shield paints and the wall filler as applicable.
18. Contractor should build the perimeter wall in same standard way and the in all stages of it without lowering the quality of workmanship or the material. He should be able to work independently without receiving much guidance for every single step of building the wall or part on it.

Making a Concrete Ramp on Drive Way

1. The slope of 10" to 24" on the driveway should be smoother as per the given drawing.
2. It is required to ensure minimum thickness of any filling is not less than 4" and the existing tar layer needs to be removed from the flat surface to embed concrete topping in to it.
3. It is required to use 10mm top steel, 10" x 12" size netting for the reinforcement and the concrete of grade 25 for the filling.

4. The work should continue part by part to allow vehicle traffic during and after construction. Vendor should make sure to cure the concrete so that it does not get damaged due to the load of vehicles moving on it.

The Embassy reserves the right to inspect the quality of construction and to order corrections or replacement, at no additional expense to the Government, of items determined as not meeting the minimum standards

The contractor shall clean up left over materials from the site(s) prior to the project's being determined as complete. No trash or construction debris shall be left in the project area prior to acceptance by the Embassy.

The contractor shall make every reasonable effort to keep the job site clean during the duration of the project.

Need to provide a warranty of 5 years for the material and workmanship