

STATEMENT OF WORK
URGENT Repair of Heating Pipe Connection HU1 and North CAC

1. General:

The Contractor shall provide all labor, tools, materials, equipment, safety measures, supervision and services, unless otherwise specified, to complete the work required herein. All the work and procedures shall be performed in conformity to the specifications and work requirements herein. All local labor standards for occupational safety and health apply to this contract.

Existing site conditions:

North CAC (North Gate Guard House) located near the North Gate of the compound. Access to the excavation site limited for the construction machinery. Hand digging preferable. HU1 and North CAC walls build out of bricks and foundation blocks. Trees, drainage lines, manholes exists in the working area and shall be considered as a natural obstacles for the trench excavation. Earth level at the CAC side of the trench is 1.5m higher then earth level on the HU1 side.

GFM:

- None.

2. Scope of work.

The contractor shall perform the following works within this project:

- Based on the Embassy preliminary design trace the trench on site.
- Install safety fence on both sides of the excavation zone.
- Dismantle concrete pads 6ea from the entrance to the apartment and store them for the subsequent installation.
- Dismantle portion of the Dog Run fence if necessary.
- Excavate trench in between North CAC wall and HU1 wall 1.7m deep 0.7m wide 35m long.
- Protect excavated trench from flooding.
- Make a new straight wall penetration on the HU1 side of the trench for the pipes installation.
- Provide necessary protection for the equipment located in the North CAC Sic room.
- Excavate old concrete floor and dismantle the old pipes in the North CAC Sic room.
- Demolish the protecting concrete of the old pipes outside the North CAC wall for the new pipes installation.
- Make the necessary opening for the installation of the new pipes through the wall and floor of the North CAC.
- Backfill the sand sub base in the trench for the pipes installation.
- Install the Uponor Ecoflex THERMO TWIN 2X32 or similar for the heating system in the trench.
- Install the Uponor Ecoflex AQUA SINGLE 1x28 or similar for the domestic cold water in the trench.
- Install end insulation protection cups on the each ends of pipes.
- Install threaded couplings on the end of each pipe.
- Conduct the hydrodynamic tests of the installed pipes.
- Isolate the opening in the walls BIRSS Gydromig or similar, install UPONOR or similar heat shrinking sleeves on all joints and wall penetrations.
- Backfill the excavation pit in the North CAC Sic room, repair concrete floor slab, seal the concrete floor around pipes.

- Backfill the trench with sand over the pipes min 0.1m.
- Install expanded polystyrene or similar thermo insulation board over the pipes- 0.05m.
- Make a protection layer out of lean concrete min 0.1m over polystyrene boards.
- Backfill the trench with sand up to the top and restore the lawn.
- Restore the Dog Run fence if needed.

3. Drawings.

3.1. The Embassy shall provide design drawings. Contractor shall produce all shop and construction drawings needed for the job performance.

3.2. The Contractor shall keep copies of the drawings and specifications on the job and shall at all times make these available to the Contracting Officer's Representative (COR) upon request. Any item provided for in the specifications or drawings shall be considered as being shown or provided for in both. In any case of discrepancy in the figures or drawings, the matter shall be immediately brought to the attention of the COR, without whose decision said discrepancy shall not be adjusted by the Contractor, save only at its own risk and expense. The COR may furnish from time to time such additional drawings or other information as the COR may consider necessary.

3.3. The COR may, at any time, by written order, make changes in the drawings and/or specifications of this contract and within the general scope thereof. If such changes cause any increase in the amount due under this contract, or in the time required for its performance, the Contracting Officer shall approve such changes and issue a modification to reflect such changes in writing. Changes in the scope of performance, or changes which result in increases in cost must be approved by the Contracting Officer by modification.

3.4. The measurements are approximate. The exact measurement is to be determined by the independent measurements made by the contractor.

3.5. The Contractor shall at all time enforce strict discipline, good order among his employees and assure workmanship of the highest quality. The Contractor shall insure that all personnel employed in the performance of this contract are qualified and possess the necessary licenses required in their respective trades. The Contractor shall obtain all required licenses and permits at no additional cost to the Government, and shall be responsible for all damages to persons or property that occur as a result of its fault or negligence in connection with the contracted work, and shall further be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance. The Contractor agrees to release the Government from all damages or claims arising from the work covered by this contract.

4. Contractor personnel:

The Contractor shall insure that all personnel employed in the performance of this contract are qualified and possess the necessary licenses required in their respective trades.

5. Debris Disposal:

Debris produced from the work shall be disposed on a daily basis outside Embassy in compliance with applicable local codes for the industrial waste disposal. Contractor shall not use Embassy debris containers for any kind of construction debris.

6. Utilities

6.1. Electricity, 220V 50 Hz single phase is available at the site. City water is also available from the nearest to work area faucets. Electricity and water are provided at no cost to the Contractor during the work period. Both shall be utilized solely for the contracted work, never for any other purpose.

6.2. Advance approval by the COR shall be required to install temporary electric wiring from the transformer and/or water piping from the faucets for the contracted work. Before the final acceptance of the contract by the Government, The Contractor shall remove these temporary installations and restore the original conditions.

7. Contractor's submittal:

The Contractor shall submit a work schedule, setting forth date, time, contents of work, personnel and time line to completion in English for approval by the COR.

8. Schedule of work:

No work on site shall be commenced without the COR's approval. The Contractor shall complete the contract work within 20 working days after commencement of the work. Actual schedule of work and working zones shifting shall be discussed with the COR.

9. Delays

If the contractor is delayed at any time during the progress of the work by any act or omission of COR or Project Manager, or any fire, severe weather, unusual act of God, " Excusable Delay Events " then the contractor may be entitled to additional time to the schedule. If the contractor experienced an Excusable Delay Event, the contractor shall within two/2/ days after such event shall give COR Notice of the Delay, and any impact by the delay upon the schedule. If the contractor provides COR with the foregoing Notice, then the contractor shall be entitled to a day for day extension to the schedule corresponding to the number of days of delay demonstrated by the contractor to be directly caused by the Excusable Delay Event.

10. Inspection and Acceptance by the COR:

10.1 The COR or COR's designee may reserve a right to inspect and test all the work under this contract at any time. If any of the work does not conform to the contract requirements and/or specifications, the Embassy may require the Contractor to perform the services again at no additional cost to the Embassy.

11. Guarantee:

12.1. Unless otherwise stipulated herein, the Contractor shall guarantee the Contractor workmanship of the work completed under this contract for a

one year period from the date of the Government's acceptance of the work completion.

11.2. During the guarantee period, the Contractor shall correct and/or repair, at no cost to the Government, any damages and/or deficiencies that may be attributed to the materials and workmanship provided by the Contractor under this contract. The Contractor shall provide all labor, materials, equipment, at their own expense, to perform the repair and/or correction. The repair and/or correction must be completed within 10 days from Notice of Damage(s).