

## **Scope of Work (SOW) for new automatic Gate Opener installation**

### **1. Work Description**

- 1.1 Supply & install hydraulic gate openers. Should be able to start installation work within 7 days after receiving task order and should be able to complete all installation & commissioning work within 7 days for each house. The total number of gate openers will depend upon the availability of funding.
- 1.2 Vendor should have min. 5 years' experience in installation, commissioning & troubleshooting including preventive maintenance. Should be able to install as per US Embassy schedule and should be flexible in scheduling as per Embassy requirement.
- 1.3 Vendor should have authorized certificate for Nepal from FAAC Company and technician should be trained by FAAC Company to install the gate and fix any problems.
- 1.4 Product detail:
  - FAAC 402 SBS hydraulic standard swing gate operator – 230 V – 2 set and should be able to open up to 120° as per nature of the gate.  
Note: Minimum length per set is 3 M and Max weight per set is 400 kg
  - FAAC 455 control panel with 14" x 16" fiber glass enclosure. – 1 set
  - FAAC photo beam safety 785163 – 2 each
  - FAAC – FAACC x T4 channel remote 787453 – 4 each
  - FAAC – Emergency stop button – 1 set
  - FAAC - Electric lock – 1 pc
  - FAAC – key switch – 1 pcs
  - FAAC 713002 Triangle release key – 4 each
  - FAAC Flash light – 1 pc
- 1.5 (Two) 2 years warranty is required on hydraulic opener including all its parts and devices, installation and all accessories related to the gate opener. Also if one gate opener has problem more than 3 times/month or more than 12 times/year then Gate opener must be replaced with new one within 15 days.
- 1.6 Must provide service for malfunctioning gates after received call from embassy within 24 hours during warranty period.
- 1.7 Control panel of gate opener should be installed inside the utility room and inside a metal box (18" x 12" x 8") with proper locking mechanism i.e. able to install key pad lock or electronic lock on the metallic box. Required lock will be provided by US embassy.
- 1.8 All electrical wiring should be concealed. For main power supply the specification of wire should be of 7/22 and for control wiring it should be of min. 1.5 sq. mm.
- 1.9 Normal working hours are from 0900 to 1600 and work area should be clean after completion of work each working day.
- 1.10 Vendor should be able to provide its spare parts within 15 days after receiving PO if needed.
- 1.11 Vendor is responsible for supplying and installation for all work related to gate installation i.e. mason work, painting work, electrical work, fabrication work, gate repairing (if needed), ground repairing (if needed) etc.

## **2. Maintenance Schedules under warranty period:**

- 2.1 The swing arm hinges and main gate hinges should be lubricated with a lubricant like “WD40” for anti-rust and lubrication.
- 2.2 The hydraulic oil should be checked once a month.
- 2.3 The preferred change of the oil should occur half yearly (every 6 months) and the oil should be the FAAC oil.
- 2.4 The system should be cleaned from dust once a month.
- 2.5 The pair of photo cell beams should be cleaned once a month.
- 2.6 The FAAC light also should be checked once a month for the safety of vehicular movements.
- 2.7 The main control panel should be clean and checked quarterly (every 3 months).