

**RESTRICTED**  
**PROPOSED TENDER SPECIFICATION OF INTELLIGENT BARRIER GATE**

1. Name of the Equipment : Intelligent Barrier Gate.
2. Purpose : For security checking of vehicle.
3. Brand : To be mentioned.
4. Model : To be mentioned.
5. Country of Origin : USA/UK/EU.
6. Manufacturing Country : USA/UK/EU.
7. Year of Manufacturing : 2021 or later.
8. Quantity : 01 (one) in no complete set.
9. **Scope of Supply.** One in no complete set Intelligent Barrier Gate with accessories are to be supplied including test/trial and commissioning as per the specifications enumerated in the subsequent paragraphs. Services like preparing of necessary basement, installation, supervision and training are also included in the scope of supply.

10. **Technical Specification.**

a. **Intelligent Barrier Gate.**

- |      |  |   |
|------|--|---|
| (1)  | Maximum Bar Length                     | : Min. 5 meter.   |
| (2)  | Opening/Closing Time                   | : To be mentioned.  |
| (3)  | Control Unit                           | : To be mentioned.  |
| (4)  | Motor Type                             | : Single phase.   |
| (5)  | Drive                                  | : Electromechanical.  |
| (6)  | Full Open Angle                        | : Min. 90°.   |
| (7)  | Temperature                            | : To be mentioned.  |
| (8)  | Power Supply                           | : 220v ± 5%, 50Hz.  |
| (9)  | Impact Reaction                        | : To be mentioned.  |
| (10) | Lubricant                              | : To be mentioned.  |
| (11) | Arm Motion                             | : To be mentioned.  |
| (12) | Motor Type                             | : To be mentioned.  |
| (13) | Arm Speed                              | : Max. 06 second.   |
| (14) | Power Supply Input & Power Consumption | : Min. 80 Watt.   |
| (15) | Both side used                         | : There should have provision to install the bar in either side.                                  |
| (16) | Remote controller                      | : Should have a remote controller to configure various options remotely.                          |
| (17) | Energy Saving                          | : The system should set to standby when in use to lower power consumption.                        |
| (18) | Backup Power                           | : Emergency backup power with optional batteries should be housed inside the case.                |
| (19) | Status/Fault indication                | : LED lights should be installed in the system to show various status and faults.                 |
| (20) | Master/Slave Functions                 | : If two bars are operating simultaneously, one bar should be master another bar should be slave. |
| (21) | Operating voltage of Motor             | : 2V DC.  |
| (22) | Design                                 | : Should have modular design so that system can be easily assembled.                              |
| (23) | Protection Rating                      | : IP44 or better.   |

b. **Control Unit.**

- (1) Should have 2 x digital inputs for vehicle detector (loop detector).
- (2) Should have three character display.
- (3) Should have 3 x digital outputs.
- (4) Should be installed inside housing.

c. **Safety (Loop Detection).**

- (1) System should have dual obstacle or vehicle detection system. At least



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one detection should be optical.

(2) Should have pivot joint protection in the event of collision.

11. **Qualification of bidder.**

a. The bidder shall be an authorized dealer/distributor/business partner (appointed by the manufacturer) or a reseller (appointed by an authorized dealer/distributor/business partner) of all items of telescopic arm barrier gate with accessories in this tender.

b. The bidder should be an enlisted supplier of NSD/NSSD Dhaka.

c. A list of major clients preferably in defense/govt/corporate sector should be attached with the offer for reference. Necessary proof/ certificates is to be submitted with the tender.

12. **Basement.** Necessary basement (civil work) for every Intelligent barrier gate is to be supplied. Price for basement is to be included with the price of main equipment.

13. **Accessories.** Any other accessories required for the telescopic arm barrier gate with accessories should be supplied free of cost which are essential to install and operate the telescopic arm barrier gate.

14. **Maintenance and Repair.** The supplier will give assurance certificate for maintenance service for the next 02 years after 01 year warranty period. Periodical routine checks and system tuning as recommended by the manufacturer to ensure smooth, efficient and continuous operation of the system.

15. **Brochure.** Brochure/catalogue having details in english of the offered set must be provided with the tender for evaluation/assessment.

16. **Installation and Installation Material.** The Intelligent Barrier Gate is to be set up at concern naval area. All set up material-like screw, nut-bolts, clip, cable etc. are to be supplied at free of cost. Supervision during installation work, test and trial shall be done by a competent supplier representative.

17. **Warranty.**

a. Minimum 12 Months warranty for trouble free operation is to be provided by the supplier/manufacturer for the entire item from the date of acceptance by the buyer. If any component of the supplied items becomes defective during the warranty period, warranty for the whole item shall be extended automatically for the period of the subject component remains defective.

b. For warranty repair/replacement, the supplier will collect the defective item from NSD/NSSD and re-supply the same to collecting place after warranty repair or for replacement within 10 (ten) days from the date of defect at no cost to the purchaser.

18. **Validity of Offer.** 120 days from opening the tender document.

19. **Delivery.** The items are to be delivered within 90 days after receipt of purchase/work order to the following address:

Officer-in-Charge  
Naval Stores Sub-Depot Dhaka  
Khilkhet Naval Area, Namapara, Khilkhet.

20. **Compliance Statement.** A clear and complete compliance statement of the tender specification supported by original catalogue is to be submitted with the offer. Any deviation from this specification is also to be clearly mentioned in the offer. Mentioning of **yes/no** will not be enough and detailed technical data/information are to be provided as applicable for cancellation of the offer.

21. **Test, Trial and Acceptance.** The installation work is to be done by the supplier as per clause 16. After successful test & trial and commissioning, an acceptance certificate will be signed between the buyer and supplier representative. Final acceptance will be given by CINS/ACINS.

22. **Source of Supply.** The bidder/supplier is to provide the name address and contact details of original manufacturing company.

23. **Port of Shipment.** Shipment should be done either from country of manufacture or

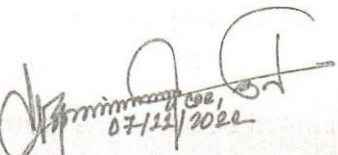


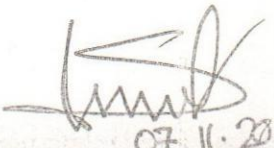
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country of origin.

24. **Terms of Payment.** Payment will be made in local currency on completion of satisfactory test and trial by buyer.
25. **Liquidated Damage.** Items have to be supplied within the stipulated time frame mentioned in the purchase order. If supplier is failed to supply the items according to above mentioned conditions, Liquidated Damage (LD) will be imposed at a rate of 1% per months but maximum 10% of the price mentioned in the purchase order.
26. **Certificate.** Current/Recent original certificate from manufacturer (OEM) is to be provided along with the offer indicating the year of manufacture.
27. **Special Note.** The supplied items must be brand new. It should be of reputed brand and in fully operational condition.
28. **Other Points.** Supplier may include additional information if deemed necessary.

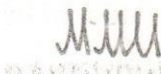
  
DNI, Member Secy  
06.11.22

  
DNW&EE/ Rep, Member  
07/11/2022  
MAREFIN (DNE) NAZEL  
Lt Commander BN  
Staff Officer (Electrical)  
Director of Naval Weapons  
and Electrical Engineering  
NHQ, Banani, Dhaka-1213

  
DNE/ Rep, Member  
07.11.2022  
A M SHOEB  
Commander BN  
Deputy Director of Naval Engineering (C)  
Naval Headquarters  
Banani, Dhaka-1213

  
D Sig/Rep, Member  
07/11/22  
M NURUL HAMID  
Commander BN  
Deputy Director of Signals  
Naval Headquarters

  
DNO Member  
07/11/22  
M RASHED SATTAR  
Director of Naval Operations  
Naval Headquarters  
Banani, Dhaka-1213

  
DNP, President  
13.11.2022  
MAREFIN (DNE) NAZEL  
Lt Commander BN  
Staff Officer (Electrical)  
Director of Naval Weapons  
and Electrical Engineering  
NHQ, Banani, Dhaka-1213