

SPECIFICATIONS

Supply, Installation and Maintenance of Barrier Gate for CFS-01 New Exit

1.0 General

The Container Freight Station (CFS 01) of Port of Colombo of the Sri Lanka Ports Authority (SLPA), are being currently undergoing with the reconstruction works after complete destruction caused by a fire in 2013. The reconstruction works consist of foundation, civil constructions, steel structural frame work and roofing works etc. It has been decided to complete 2nd half of the Warehouse by end of January 2017 to cater the current warehouse capacity requirement within the port premises.

The SLPA intends to outsource the Supply, Installation and Maintenance of Barrier Gate for the new exit gate in order to provide better traffic controlling system. The scope of work, specifications, general tender conditions and terms are described under the relevant titles in this document. The basic design parameters, warehouse location, activities, dimensions... etc. are mentioned under the heading of design criteria.

2.0 Scope of Work

Since the limited space in the exit gate and the easiness in controlling, it was decided to provide an electrically operated barrier gate.

Under this Tender, Barrier Gate will be installed for new Exit Gate.

The bidder's obligations and responsibilities under this tender are mentioned below;

- (a) The Barrier gate shall be operated from close position to open position in less than 12s.
- (b) Supply the product within given time period (It is required to submit the manufacturer's certification & required test reports of product)
- (c) Installation of product within the given time frame (Same bidder should take the responsibility of installation to ensure the maintenance & warranty responsibility)
- (d) Maintenance of the Barrier Gate including system for 02 years
- (e) Warranty Certificate for the product (02) years

The Barrier Gate to be supplied shall be maintained high quality standards and suitable for the environmental & operational conditions of CFS 01 Yard to ensure the safe, efficient and smooth traffic control.

2.1 Instructions to Bidders

2.1.1 Bidder shall duly fill all required blanks spaces and shall sign at each and every required blank spaces in this tender document. The bidders which do not comply with the instructions are liable to rejection, without further enquiry.

2.1.2 The all parts of the tender (supply, installation & maintenance) will be awarded to a single bidder, who became the substantially responsive lowest for the total cost of the tender. The bidders fail to quote for all parts, are liable to be rejected without further enquiry.

2.1.3 The bidder shall dully fill the schedule of prices furnished separately. All the fees, charges, ...etc. shall be clearly specified under the schedule. The provisions for the hidden charges or price amendments shall not be entertained after closing the tender.

2.1.4 The bidder shall duly fill the **Form D** attached to this specifications and submit with the tender

2.1.5 Low quality, non-branded offers quoted without required technical designs, details/certificates etc shall not be considered in the evaluation.

2.1.6 The copies of proven literatures from the manufacturer and testing certificates shall be submitted with the offer and originals at the delivery.

2.2 Design Criteria

Layout drawing of CFS 01 Yard and the exit road is attached at **Annexure – A** with the Tender Document. The bidders can use the **Annexure –A** preliminary layout as a basis for the designing of Barrier Gate system for the CES 01 New exit gate. Area is indicated in the **Annexure –A**.

The following are describing the basic design parameters/conditions to be considered in the designing of Barrier Gate system. The bidders are advised to adopt most suitable & standard parameters for the design.

Exit Lane Parameters:

Lane Width	3.5m
Traffic characteristic	One Way Traffic Gate, Single Lane

Design Parameters:

Operation Speed	Gate shall be travel from open position to close position in less than 12s.
Fail Safety	The equipment is designed such that the failure of the equipment does not cause the failure of any other unit of equipment.
Manual Operation	Hand crank or grill crank shall be included to operate the gate at electricity failure.
Protection	The equipment contains readily accessible, manually resettable, or replaceable circuit protection devices (such as circuit breakers or fuses) for equipment and power source protection.
Gate arm Illumination	Gate arms are covered on both sides with 16-inch alternating red and white engineering grade reflectorized sheeting.
Mechanical component	All parts are made of corrosion resistant material, such as plastic, stainless steel, anodized aluminum or brass. All materials used in construction are protected from fungus growth and moisture deterioration.
Wiring	Wires exiting and entering the gate housing is via terminal blocks in the housing and through openings in the concrete foundation or pedestal. Gate housing shall be properly grounded.
Mini Traffic Controlling System	Mini traffic light system shall be provided to visualise the position of the barrier gate.

2.3 Documents to be Submitted with the Tender

The bidders are required to submit the following information together with documentary evidence.

- (a) Detail drawing of the gate mechanism, electrical controlling system and details of materials.
- (b) Details of fixing.
- (c) Make, Model, Country of origin, Country of manufacturing if relevant, Manufacturer's Certificate for the product
- (d) Business Registration of Company who quoted for the tender
- (e) Experience of supplying & installation of similar type of products in last recent five (05) years. Necessary evidence documents shall be submitted to fulfill the above requirements and submit a list of clients for whom the same product has been supplied & installed.
- (f) Consent letter for taking responsibility for 02 years warranty if the product is accepted.
- (g) The maintenance manual for mechanical parts and electrical parts.

The Bidder should fill & submit the Form D attached with his tender.

Form - D

(a) Design Details & Specifications of Offered Product

Description		Specifications of the Offer (to be filled by Bidder)
(i) Material of the Boom and gate posts		
(ii) Make		
(iii) Model		
(iv) Country of Origin		
(v) Country of Manufacturing	If differ from (iv), shall be indicated.	

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Signature of Bidder

(b) Installation of Barrier Gate

Description		Specifications of the Offer (whether agreed or not)
The installation of the Barrier Gate and controlling system shall be totally handled by the bidder. (locations as proposed by the Bidder)	To be agreed.	
The bidder shall fully agree to fix Barrier Gate at any location of the Yard decided by the SLPA. (if SLPA to take final decision of locations)	To be agreed.	
The bidder shall be facilitated all the necessary materials, equipment, tools, workforce by its own.	To be agreed.	
The bidder shall obtain permits at his own cost from the Sri Lanka Ports Authority for the entry of his men and vehicles into the Port Premises in fulfilling his obligations of the contract and shall observe all rules and	To be agreed.	

regulations of the relevant Port and Customs Authorities.		
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Signature of Bidder

(c) Maintenance

Descriptions		Specifications of the Offer (whether agreed or not)
The bidder shall be fully responsible to take necessary annual maintenance for the period of two (02) years. The cost of maintenance shall be separately indicated in the annexed price schedule.	To be agreed.	
All the necessary materials and spare parts for the maintenance shall be facilitated by the bidder from his own cost throughout the aforesaid time period.	To be agreed.	
The cost of maintenance shall not be permitted to revise for the period of two years.	To be agreed.	

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Signature of Bidder

(d) Warranty

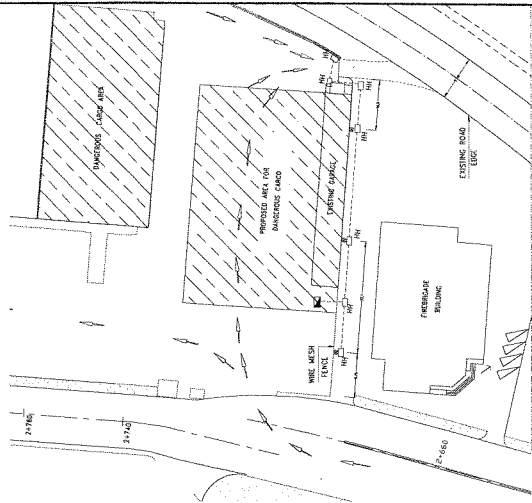
Description		Specifications of the Offer (whether agreed or not)
The successful bidder shall furnish ten (10) years warranty for the boom and (2) years warranty for the motor with electrical controlling system from the date of acceptance by the SLPA.	To be agreed.	

The successful bidder shall agree to correct free of cost whole or any part of the job which fails during the warranty period.	To be agreed.	
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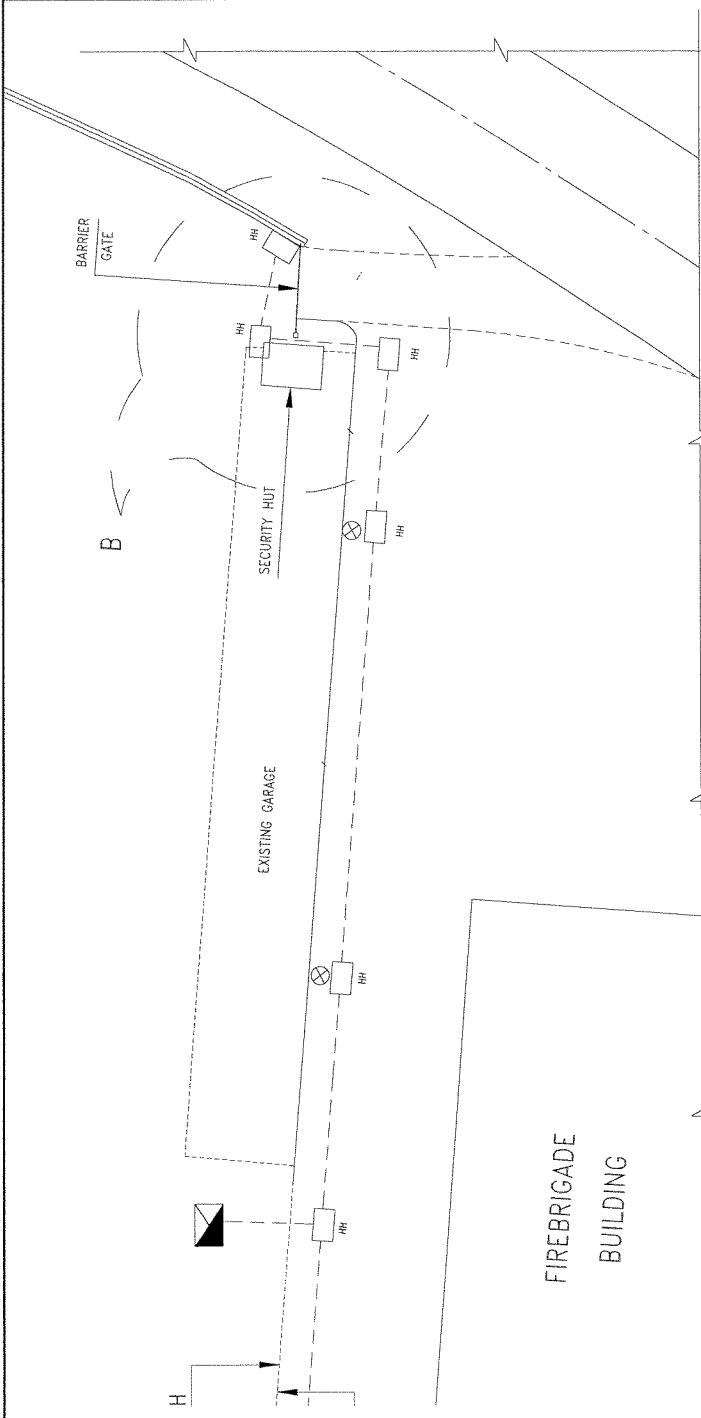
Signature of Bidder

ANNEXURE - A

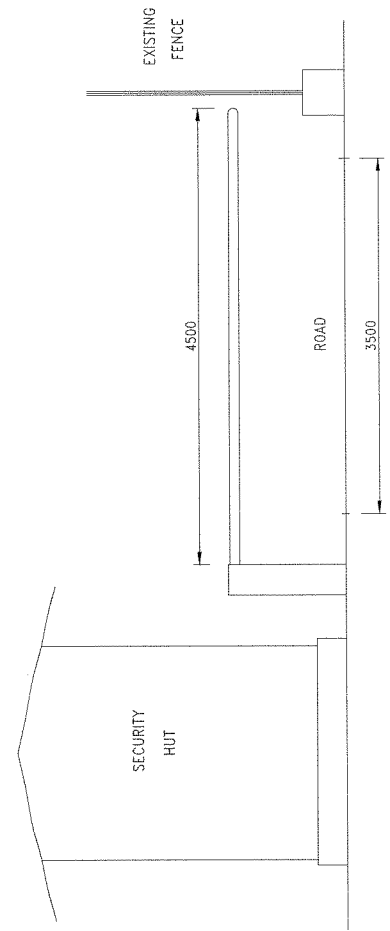


SITE PLAN
SCALE - 1:1000

SRI LANKA PORTS AUTHORITY	
PROPOSED WAREHOUSE CFS 01 AT PORT OF COLOMBO LAYOUT OF EXIT GATE	
DATE	17 th JANUARY 2017
DRAWN BY	S.M.P.P.
CHIEF DRAUGHTSMAN	
DESIGNED & CHECKED BY	
ENGINEER DESIGNS	SUPT. CIVIL ENGINEER(DESIGNS)
SKETCH No: 3395	



LAYOUT OF EXIT GATE
SCALE - 1:250



DETAIL AT "B"
SCALE - 1:50