



श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता  
SMP, KOLKATA  
हल्दिया गोदी परिसर  
HALDIA DOCK COMPLEX  
प्रशासनिक प्रभाग  
Administration Division



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No. HDC MS/Administration/1466/BOOMBARRIER/2021/3167

Date: January 15, 2024

**TRADE CIRCULAR**

**Sub.: Introduction of Boom Barriers at Road Weighbridges of Haldia Dock Complex**

The automation of RFID and Weighbridges was commissioned at weighbridges of Syama Prasad Mookerjee Port Kolkata-Haldia Dock Complex in August 2020. In that connection, for smooth and legitimate weighment operation, HDC has now introduce an integrated system from flashing of card at RFID reader to the automated instruction to the signal light after completion of weighment operation. The process flow of the entire process is mentioned below:

1. Both Boom Barriers will remain closed before start of any weighment process.
2. The boom barrier at rear end will be opened upon flashing of vehicle RFID card at RFID reader placed at the rear end.
3. Both the boom barriers are in closed position once the vehicle enters the weighbridge ramp.
4. Weighment will start upon flashing the RFID card at reader placed on the weighbridge ramp. Both the boom barriers will remain closed during weighment.
5. The exit boom barrier will be opened automatically upon successful weighment and green signal light will indicate the vehicle to exit.
6. The exit boom barrier will be closed automatically.

The automation of Boom Barriers at road weighbridges of HDC will commence from February 01, 2024. The damages (Major/Minor) which will be caused by any party, will be assessed by Haldia Dock Complex. The cost of damages will be borne by the concerned company based on the assessment done by HDC.

The penalty will be collected by M/s Coresonant Systems Pvt. Ltd. directly, the agency responsible for installation and maintenance of Boom Barrier.

Encl: Process flow for Weighbridge integrated with Boom Barrier and RFID System

*Sonyg*  
15/01/24  
(S Rohhila)

**AM (Systems), Administration**

cc.: The President, The Association of Shipping Interest in Calcutta (ASIC), 6, Netaji Subhas Road, Kolkata-700 001 (Fax: 033-4012 8989): For information with a request to circulate the same among the members please.

cc.: All Importers / Exporters / Vessels' Agents / MLOs / C&F Agents / Stevedoring & Handling Agents / Port Users / Stakeholders: For information and necessary action please.

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cc.: Deputy Chairman, HDC: For favour of kind information please.

cc.: General Manager (Engg.) / General Manager (Traffic) / General Manager (Finance) /  
General Manager (Marine) I/C: For information please.

cc.: Sr. Dy. Manager (Sh&CH)-I/II: For information please.

cc.: Sr. Dy. Manager (Rlys.): For information please.

cc: M/s Coresonant Systems Pvt. Ltd., 303,3rd floor, Navketan Complex, Opp Clock Tower,  
Secunderabad-500003.



## **WEIGHBRIDGE BOOM BARRIER WORK FLOW**

**HALDIA DOCK COMPLEX**





Reader: 01

## **STEP:1**

**Both the boom barriers will remain closed .**



## STEP:2

On flashing vehicle RFID card at RFID reader(01) the boom barrier at the entry side opens.





## STEP 3

Both the boom barriers are in closed position once the truck enters the weigh bridge ramp.



## STEP 4

Vehicle RFID card is flash at RFID Reader(02) on the weigh bridge ramp for taking Weighment. Both Boom barriers are in down position when vehicle is on ramp and ready for weighment





## STEP:5

After successfully weightment (refer to Picture 1) of the vehicle Exit Boom Barrier will open automatically (refer to Picture 2) and Green Signal light indication for move out the vehicle form Weighbridge ramp (refer to Picture 3,4) . LED display will show the vehicle number and weight (refer to Picture 2) .





## **STEP:6**

After successfully exit of the vehicle from weighbridge ramp Boom barrier (exit side) will close automatically.

One vehicle weighment cycle is complete. Next Vehicle will follow the process from STEP :1



**THANK YOU!**

The above mentioned process is applicable for Import Dry Bulk Cargo with LON vehicles weightment only.