

Big Data Processing



The Bangladesh National Board of Revenue uses ASYCUDAWorld to manage large volumes of daily transactions.

SITUATION

Bangladesh is one of the top garment exporters in the world and this places significant challenges on its National Board of Revenue (NBR) to process all the corresponding customs/trade documentation such as cargo manifests, customs declarations, payments and other regulatory requirements in a timely fashion. The volume of transactions represents the highest among other ASYCUDA user-countries. This presents unique demands on NBR's trade support services and customs automated system.

SOLUTION

Continued NBR management commitment to reform and modernization, an experienced support team, regular ICT infrastructure upgrade, and timely update of the ASYCUDA system allowed the National Board of Revenue to address the challenges of increasing volume of transactions, number of user connections, and of the full range of electronic interfaces/linkages required between customs and external stakeholders.

RESULT

The large volume of transaction processed by Bangladesh Customs is made possible by expanded technical, server and storage capacities. To manage the workload, i.e. up to 50,000 documents per day, the ASYCUDA system in Bangladesh currently relies on a fully redundant architecture including:

- 128 GB application server;
- 256 GB database server;
- 9 TB total storage capacity;
- Bandwidth of 20 MB/s between the headquarters and the primary customs sites, and 4 MB/s with the other customs offices.



Bangladesh

2 million

The number of waybills processed by the Bangladesh National Board of Revenue using the ASYCUDAWorld system in 2017.

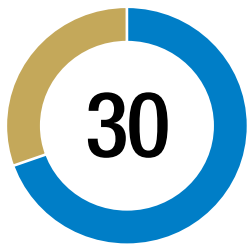
“Streamlined revenue collection provides Bangladesh the necessary funds needed to deliver important public services and infrastructure such as schools, roads, hospitals, and new development opportunities.”



Big Data Processing

Size of Project

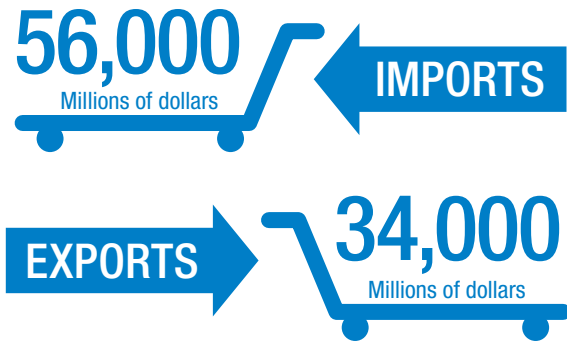
Total number of customs offices



Paper-based
customs office



Computerized
customs office



2017 Volume of Activity

Manifests
processed



14,612

Waybills
processed



2,079,948

Import Declarations
processed



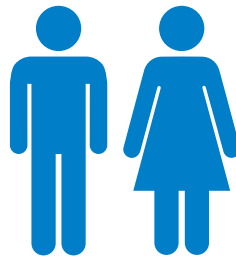
1,216,983

Export Declarations
processed



1,273,180

Number of Persons Trained



Approximately
4,000

