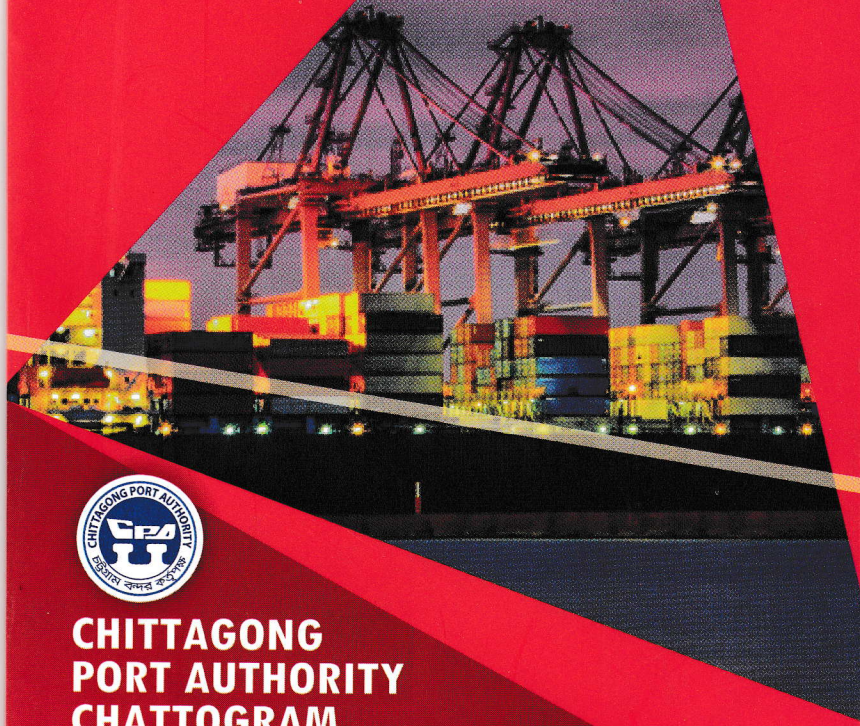


# Over view 2020



**CHITTAGONG  
PORT AUTHORITY  
CHATTOGRAM**

# Over view 2020



**CHITTAGONG  
PORT AUTHORITY  
CHATTOGRAM**

## 1. HISTORICAL BACKGROUND

The history of Chittagong Port can be traced back to the 4th century BC. During the 9th to 15th century AD, Chattogram was known as 'SHETGANG' to early European mariners. In the 16th century, Chattogram was known as 'PORTE GRANDE'. The port was established at its present location in 1887 under the British Law.

## 2. LOCATION

Chittagong port is situated in the estuary of the river Karnaphuli; being around 11 km from the Bay of Bengal.

## 3. NAVIGATIONAL INFORMATION

Maximum Permissible Draught of vessel ranges from 8.50m. to 9.50m.

Online Tidal data display :

Khal no. 10 :

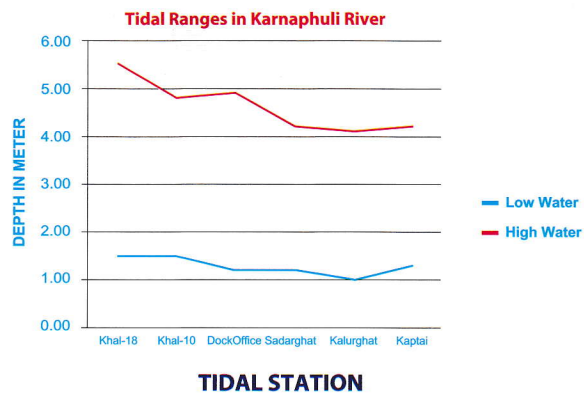
<https://stormcentral.waterlog.com/public/cpahydrography1/>

Kalurghat : <https://stormcentral.waterlog.com/public/cpahydrography2/>

Rezukhal : <https://stormcentral.waterlog.com/public/cpahydrography3/>

Bay Terminal : <https://stormcentral.waterlog.com/public/cpahydrography4/>

LOA : Maximum permissible LOA of a vessel is 190 meters.





**Tidal Range :** Tides are important for navigation as it determines the possibility of crossing the shallow area between Kutubdia points and the Karnaphuli entrance and bars within the Port Limit. Tides are semi diurnal with prominent diurnal effect. The approx. tidal range is between 2.0 and 5.5m.

**Pilotage :** Pilotage is compulsory as per CPA Law.

**Radio communication :** Port Radio Control Room maintains watch on VHF over Channel 6, 12 & 16 round the clock and over 2182 KHZ/SSB transceiver.

**Anchorage :** Anchorage area is divided to "A" "B" and "C". In addition a special anchorage area has been established for vessel awaiting employment.

**Night Navigation :** Inward and outward movement of the ships are limited to 170 metre length over all (LOA).

#### 4. ADMINISTRATION

Chittagong Port passes through different model of port management. It starts its journey as port commissioner, then turned into port trust and from 1976 it became Chittagong Port Authority under law.

#### 5. GLOBAL POSITION OF CONTAINER PAST

Chittagong Port entered in 100 container port list with 98th position and in 2018 it is ranked 64th busiest container port.



## FACILITIES

Jetties And Moorings For Ocean-going Vessels :

### Berths owned and operated By CPA

General Cargo Berths	06
Container Berths	11

### Repair Berths

Dry Dock Jetties	02
------------------	----

### Mooring Berths

River Moorings	05
----------------	----

### Specialised Berths for Bulk handling :

Dolphin Oil Jetty (for POL)	03
Grain Silo Jetty	01
Cement Clinker Jetty	01
TSP Jetty	01
CUFL Jetty	01
KAFCO Urea Jetty	01
Ammonia Jetty	01
Total	33

### Sadar Ghat

Jetty Berths (for POL)	05
------------------------	----

### CARGO STORAGE SPACE (Break-bulk)

Protected Area	Nos.	Sq. Metres
Transit sheds 1-9	9	64364.70
Warehouses D, F, P, O	4	20712.41
Car Sheds (P Shed & F Shed)	1	8696.63
Open Dumps	-	90,000

**Specialised Berths for Bulk handling :**

Dolphin Oil Jetty (for POL)	03
Grain Silo Jetty	01
Cement Clinker Jetty	01
TSP Jetty	01
CUFL Jetty	01
KAFCO Urea Jetty	01
Ammonia Jetty	01

**For Inland Coasters & Vessels :**

Jetty Berths (for POL)	01
Concrete Berth (for Grain handling)	01
Pontoon Berths (for POL)	03
Pontoon Berth (for Cement)	01
Single Point Moorings	14
<b>Total</b>	<b>20</b>

**Outside Protected Area :**

Warehouses	6	25179.36
Open Dumps	-	2,00,000

Food Department (Grain Silo), TSP Complex, Cement Clinker Grinding Company and different oil companies have their own storage facilities (covered and open) adjacent to their respective berths.

### General Cargo Handling Equipment

Type of Equipment	Capacity (Ton)	Nos.
Mobile Crane	10 - 50 ton	38
Forklift Truck	10 - 20 ton	09
Forklift Truck	03 - 05 ton	119
Forklift- Electric (Low Must)	1.5 ton	04
Industrial Tractor	25 ton	11
Heavy Trailer	25 ton	05
Light Trailer	06 ton	30
Tele Handier	10 ton	04
Car Carrier	--	02

### Container Handling Facilities

Holding Capacity (GCB+CCT+NCT+NCY)	49018 TEUs
Yards	22 Nos.
Container Freight Stations at GCB (05 Nos.)	45064 Sq.m
Container storage yards at GCB	282239 Sq.m
CFS at CCT	13671 Sq.m
Container Storage Yard at CCT	150000 Sq.m
Container Storage Yard at NCT	225000 Sq.m
Container Storage Yard at NCY	63000 Sq.m
Railway Container Siding	550 m
Reefer Points	900 (440 volts) points
Standby Generator-14 MW (2x7)	14 MW (2x7)
Fire Brigade	1 unit



**LIST OF CARGO AND CONTAINER HANDLING EQUIPMENT**  
**(A) Container Handling Equipment (As on June 2019)**

Type of Equipment	Capacity (Ton)	Nos.
Quay Gantry Crane	40	14
Rubber Tyred Gantry Crane	40	41
Rail Mounted Yard Gantry Crane	40	01
Mobile Harbour Crane	84	03
Straddle Carrier (04 High)	40	48
Straddle Carrier (02 High)	40	02
Reach Stacker	45	11
Forklift Truck	42	03
Forklift (Spreader)	16	09
Reach Stacker	07	09
Container Mover	50	08

**(B) Cargo Handling Equipment (As on June 2019)**

Type of Equipment	Capacity (Ton)	Nos.
Mobile Crane	10-50	38
Forklift Truck	10-20	20
Forklift Truck	1.5-05	108
Industrial Tractor	25	06
Heavy Trailer	25	05
Light Trailer	06	30
Tele Handler	04	04
Car Carrier	-	02
Automatic Bagging Machine	-	02
Pneumatic Conveyor	-	01
Pipe Handler	45	01

**EQUIPMENT BEING PROCURED UNDER REVENUE BUDGET (2018-2019)**

Type of Equipment	Capacity (Ton)	Nos.
Quay Gantry Crane	40	02
Mobile Harbour Crane	84	02
Rubber Tyred Gantry Crane	40	09
Straddle Carrier (04 High)	40	09
Variable Reach Truck	16	03

**INLAND CONTAINER DEPOT (ICD)**

An Inland Container Depot (ICD) at Dhaka, Kamalapur is in operation since 1987 with an annual handling capacity of 90,000 TEUs. At present two Container Trains run daily each way between Chittagong Port and Dhaka ICD.

**Facilities available :**

Container holding capacity	4067 TEUs
Yard Area	136954 Sq.m
Container Freight Station (CFS)	6508 Sq.m
Weigh-bridge	2 in Two Gates
Equipment Reach Stacker:	2 Nos. (45 ton)
Forklift :	4 Nos (42 ton)
Reach Stacker:	1 Nos. (7 ton)
Low Mast Forklift :	6 Nos. (3 ton)
Tractor Trailors :	08 Nos
Railway Wagons for Container Transportation	550 Nos
Railway Terminal (length of tracks)	1097 m
Fire Brigade	1 Unit

### ICT PANGAON

Container Holding Capacity	3500 TEUs
Yard Area	55000 sq. m.
Container Freight Station (CFS)	5815 sq. m.
Weigh-bridge	1 No
Equipment	
Mobile harbour Crane	1 No
Straddle Carrier	2 Nos
Fork Lift	9 Nos
Tractor Trailors	2 Nos
Cargo Crane	3 Nos

### DREDGER

The CPA has a trailing suction hopper dredger (MV KHANAK) to maintain navigability in its area. The dredger has a hopper capacity of 2,500 cubic meters.

TUGS : The CPA has a fleet of Tugs up to a maximum bollard pull of 60 Tons.

### ENVIRONMENT FACILITIES

One oily waste reception & one solid waste reception vessel is available for pollution control service. In addition some of the tugs are equipped with pollution control facilities.

### FIRE FIGHTING ARRANGEMENTS

The CPA maintains a full fledged Fire Fighting Unit within the jetty premises with modern equipments to combat any incidents of fire. The sheds, warehouses and the yards are provided with sprinklers, hydrant system with different types of fire extinguishers and fire buckets. Facilities are also available for combating marine fire with fire fighting vessels.



## SECURITY

CPA is complying with International Ship and Port Facility Security Code (ISPS Code) since 2004 for enhancing safety and security within Port Limit in a manner as desired by the code.

## WEIGH-BRIDGE

There are 7 (seven) computerized road vehicle weigh-bridges (30T-100T) at different jetty gates and North Container Yard (NCY). And one computerized railway wagon weigh-bridge (100T) located at the Railway Transit Yard. There are also 3 nos of computerized truck weighing scales (100T) installed at two stage gate under custom over bridge at GCB area.

## Vessel Traffic Management Information System (VTMIS) :

Chittagong Port and its anchorage areas are covered by modern VTMIS to ensure maritime safety and safety of navigation in the confirmed waters of river Karnafully.

## SIMULATOR

Chittagong Port Authority has installed a combined simulator to train the container handling equipment operators and thus create a pool of skilled and efficient equipment operators.

## 6. STATISTICS

### 6.1 MAJOR IMPORTS & EXPORTS

**Import :** Food grain, Cement clinker, Sugar, Fertilizer, General cargo, Iron Materials, Cotton, Chemicals, Coal, Edible oil, POL etc.

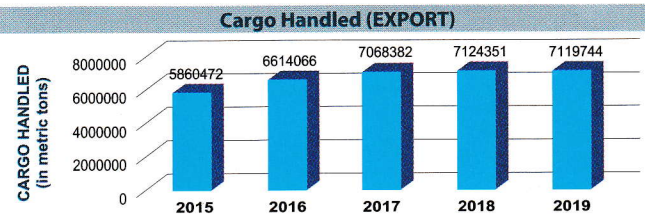
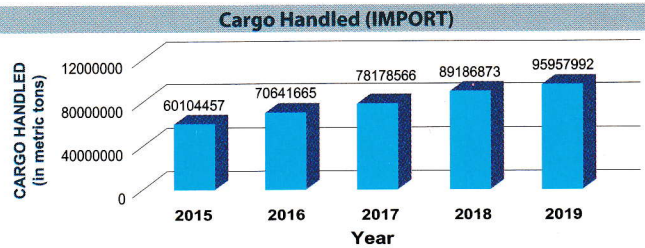
**Export :** Ready Made Garments, Knitwear, Fertilizer, Jute & Jute Products, Hides and Skins, Tea, Light Engineering products, Pharmaceutical Products, Naphtha, Molasses, Frozen goods, etc.

PERIOD	FOOD GRAIN	C/CLINK	FERT.	COAL	SALT	SUGAR	E.OIL	POLS	OTHERS	TOTAL
2015	3247908	14583377	1616719	2765956	341910	2332135	2365883	5548103	27302466	60104457
2016	5117577	19185629	1557431	1437169	494636	1991986	2018376	6838913	31999948	70641665
2017	5996199	19591547	1623828	1514027	758058	2485958	2274187	7085879	36848883	78178566
2018	5765413	24010721	1814808	1993225	392920	2129358	2835106	8011491	42233831	89186873
2019	6336279	25680976	1646047	3982570	426514	2246258	2570359	7622239	45446750	95957992

PERIOD	JUTE	J/GOODS	LEATHER	TEA	GARMENTS	F/GOODS	UREA/FERT.	AMMONIA	NAPTHA/G.OIL	OTHERS	TOTAL
2015	139023	782624	32491	449	2825442	116476	0	36000	53170	1874797	5860472
2016	202754	730588	31058	0	2806158	95047	0	29800	120256	2598405	6614066
2017	228439	803666	32223	0	3209783	133719	0	41500	37954	2581098	7068382
2018	159427	642685	32772	13	3592989	103583	0	42457	15000	2535425	7124351
2019	169747	538027	35440	195	3320490	104974	0	54975	17890	2878006	7119744

## 6.2. CARGO HANDLED (in metric tons)

C/Year	Import	Export	Total
2015	60104457	5860472	65964929
2016	70641665	6614066	77255731
2017	78178566	7068382	85246948
2018	89186873	7124351	96311224
2019	95957992	7119744	103077736



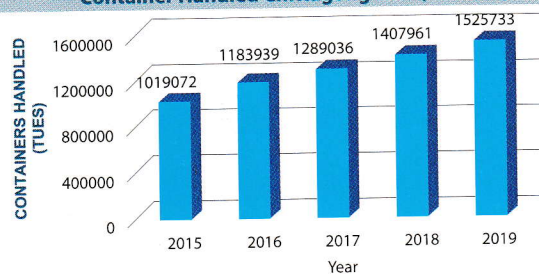
### 6.3 CONTAINERS HANDLED

CALENDER YEAR	CHITTAGONG PORT					
	IMPORT		EXPORT		TOTAL	
	TUEs	TONS	TUEs	TONS	TUEs	TONS
2015	1019072	14349359	1005135	5459046	2024207	19808405
2016	1183939	16600983	1162970	6042828	2346909	22643811
2017	1289036	18242413	1277561	6750723	2566597	24993136
2018	1407961	19092475	1389568	6777060	2797529	25869535
2019	1525733	19666175	1439605	6699896	2965338	26366071

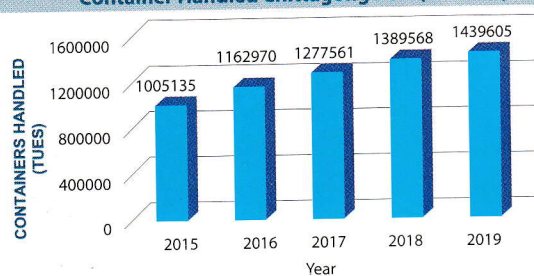
CALENDER YEAR	DHAKA ICD					
	IMPORT		EXPORT		TOTAL	
	TUEs	TONS	TUEs	TONS	TUEs	TONS
2015	34411	363768	34685	123639	69096	487407
2016	35015	369618	35348	141263	70363	510881
2017	36730	277952	38177	155771	74907	433723
2018	42507	348978	41453	149511	83960	498489
2019	47537	370137	47835	157827	95372	527964



### Container Handled Chittagong Port (IMPORT)



### Container Handled Chittagong Port (EXPORT)

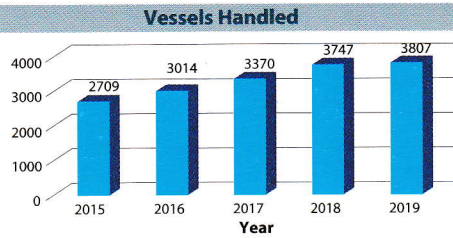


### 6.3.1 CONTAINERS HANDLED AT PANGAON ICT

CALENDER YEAR	Inland Container Terminal Pangaon (ICT)					
	IMPORT			EXPORT		
	TUES	TONS	TEUs	TONS	TEUs	TONs
2015	652	12784	597		1249	12784
2016	2466	34288	2142		4608	34288
2017	13182	159744	12537	388	25719	160132
2018	11232	143109	11275	3816	22507	146925
2019	14073	215611	13404	9297	27477	224908

#### 6.4 VESSELS HANDLED

CALENDER YEAR	NO. OF VESSELS
2015	2709
2016	3014
2017	3370
2018	3747
2019	3807



#### 6.5 CARGO HANDLED INCLUDING INLAND, ICD & ICT (in metric tons)

CALENDER YEAR	IMPORT (TONS)	EXPORT (TONS)	INLAND (TONS)	ICD (TONS)	ICT (TONS)	GRAND TOTAL (TONS)	GROWTH (%)
2015	53543741	5736833	6184164	487407	12784	65964929	16.06
2016	63968493	6472803	6269266	510881	34288	77255731	17.12
2017	71136225	6912223	6604645	433723	160132	85246948	10.34
2018	80478525	6971024	8216261	498489	146925	96311224	12.98
2019	87943773	6952620	7428471	527964	224908	103077736	7.03

#### 7. CONCESSION ON EXPORT CARGO

Priority berth is allowed to 100% export vessels.

For efficient handling of export through container, 100% stuffing is being done in private depot located near the port.

Seven days free time for export cargo/container is allowed as against four days free time on import cargo/container.

Documentation procedure simplified through introduction of one stop service centre.

## 8. OTHER INFORMATION

**Handling Capacity :** At present Port is handling over 41 million tons of cargo per year.

**Repair :** Chattogram Dry Dock can repair vessels up to 16,500 DWT and there are also a number of other private repair yards in and around port installation.

**Airport :** Hazrat Shah Amanat International Airport is 8 km from the port.

**Chattogram Export Processing Zone :** Located 3 km away from the port.

**Korean Export Processing Zone :** Located on the opposite bank of the river Karnaphuli; It is under construction.

**Karnaphuli Export Processing Zone :** Located 4 km away from the port.

**Hinterland Transportation :** Port is connected with the hinterland by Road, Rail & River.

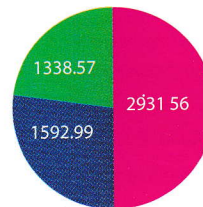
**One Stop Service :** All documentation earlier done at different points regarding Container and General Cargo Clearance has now been brought at one point with on-line banking facilities.

**Car storage facilities :** Available space for 6,150 unit Vehicle including New Car Shed. CPA is a regular member of Japan based International Association of Ports and Harbours (IAPH).

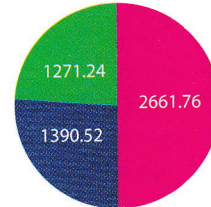
## 9. REVENUE INCOME & EXPENDITURE

Figure in Crore

COLOUR INDEX  
INCOME  
EXPENDITURE  
SURPLUS



2018 - 2019  
(Provisional)



2017 - 2018  
(Audited)



## 10. DEVELOPMENT PLAN

### A. RECENTLY COMPLETED PROJECTS :

- ▶ Strategic Master Plan for Chittagong Port.
- ▶ Chittagong Port Trade Facilitation Period.
- ▶ Construction of Back-up Facilities New-mooring Container Terminal.
- ▶ Installation of Vessel Traffic Management Information System (VTMIS).
- ▶ Procurement of One high Power Tug (4500 BHP).
- ▶ Procurement of One Sea Going Water Supply Vessel.
- ▶ Procurement of 51 Nos. Container and Cargo Handling Equipment.
- ▶ Procurement of Three Reconditioned Container Vessels to ply Chattogram-Pangaon Route.
- ▶ Installation of Surface Water Treatment Plant.
- ▶ Procurement of one Modern Survey Boat with Multibeam Echo-Sounder.

### B. ON GOING PROJECTS :

- ▶ Construction of CPA Hospital Complex.
- ▶ Procurement of Equipment for New Mooring Container Terminal (NCT).
- ▶ Shifting and Re-construction of Services Jetty located near Dock Office to the Upstream of Jetty No. 1
- ▶ Procurement of One High Power Tug Boat (3200 BHP).
- ▶ Enhancement of navigability in Karnaphuli River through Dredging from Sadarghat to Bakalia char.
- ▶ Construction of Patenga Container Terminal (PCT).

- ▀ Construction of overflow yard at new-mooring colony.
- ▀ Procurement of Two high Power Tug (5000 BHP).
- ▀ Strengthening the Chittagong Port Authority Training Institute (CPATI) by EP-Nuffic. The Netherlands.
- ▀ Procurement of two mobile harbour crane.
- ▀ Procurement of two cutter suction dredgers, auxiliary boats and equipment for Chittagong Port.

#### **C. FUTURE PROJECTS :**

- ▀ Construction of 2nd overflow yard at newmooring colony.
- ▀ Construction of CPA Tower Building.
- ▀ Construction of Laldia Multipurpose Terminal.
- ▀ Construction of Bay Terminal.
- ▀ Matarbari Port Development Project.
- ▀ Construction of Museum and monument for Chittagong Port Authority.
- ▀ Procurement of Equipment for General Cargo Birth (GCB), Newmooring Container Terminal (NCT), Newmooring Overflow Container Yard (NOFCY), South Container Yard (SCY), Pangaon Inland Container Terminal (PICT).
- ▀ Construction of Karnafully Container Terminal (KCT).
- ▀ Chittagong Port Enhancement Project.

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