

# OVERVIEW

## 2023-2024



**CHITTAGONG  
PORT AUTHORITY  
CHATTOGRAM**



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## 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 10.00m.

Online Tidal data display :

Khal no. 10 :

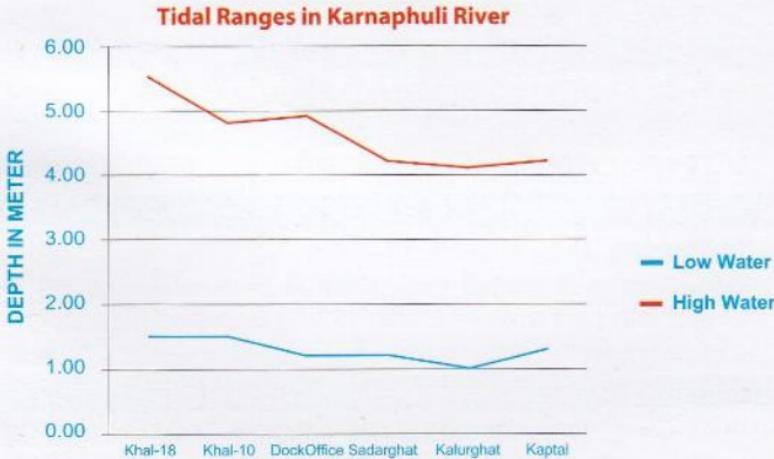
<https://stormcentral.waterlog.com/public/cpahydrography1/>

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 STATION

**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.

**Navigation :** Karnaphuli Channel: Inward and Outward movement of the ships are limited to length overall (LOA) upto 200 meter during daylight and 175 meter during night.

Matarbari Channel: Inward and Outward movement of the ships are limited to length overall (LOA) upto 230 meter and draft 12.5 meter.

#### 4. VASSEL INFORMATION

FY	IN	OUT	SHIFTING	TOTAL	AT-O/A
2019-20	2755	2749	463	5967	3811
2020-21	2805	2803	369	5977	4158
2021-22	3029	3035	399	6463	4452
2022-23	2976	2938	367	6281	4427
2023-24	2708	2699	383	5790	4435

#### 4. ADMINISTRATION

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

#### 6. GLOBAL POSITION OF CONTAINER PAST

Chittagong Port entered in 100 container port list with 98th position in 2009; after 12 years in 2021 it is ranked 64th busiest container port in the world.

## **FACILITIES**

Jetties And Moorings For Ocean-going Vessels :

### **Berths owned and operated By CPA**

General Cargo Berths (GCB)	12
CCT	02
NCT	05
PCT	03

### **Repair Berths**

Dry Dock Jetties	02
Service Jetty	01

### **Mooring Berths**

Dolphin Oil Jetty	08
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### **Specialised Berths for Bulk handling :**

Grain Silo Jetty	01
Cement Clinker Jetty	01
TSP Jetty	01
CUFL Jetty	01
KAFCO Urea Jetty	01
KDDJ	02
Total	40

### **Sadar Ghat**

Jetty Berths (for Lighter)	04 + 01
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### CARGO STORAGE SPACE (Break-bulk)

Shed Type	Shed no.	Location	Area (Sq. Metre)
Transit Shed	1,2,3,4 ,5,7	GCB	38507.24
CFS	6,8,9,12,13,N	GCB	54217.71
CFS	1	CCT	13250.00
CFS	1	NCT	4000.00
CFS	1	NOFY	13000.00
CFS	1	PCT	2130.00
CFS	1	Pangaon	5832.00
CFS	1,2,3,4	Kamalapur ICD	7050.00
Chemical Shed	P	GCB	2822.95
Chemical Shed	Two-storied	GCB	4275.00
Car Shed	F	GCB	8696.63
Car Shed	Multi-storied	GCB	7800.00
Car shed	1	Out side of GCB	20242.00
Open Dumps	Between shed no. 1 to 13	GCB	28884.00

### Container Storage Space

Name of Container Yard	Location	Area (Sq. Meter)
General Cargo Berth	GCB	386481.00
Chittagong Container Terminal	CCT	150000.00
NCT Backup	NCT	289450.00
North Container Yard (NCY)	NCY	57416.00
South Container Yard	SCY	60500.00
Newmooring Over Flow Yard	NOFY	115000.00
Container Yard at X-Y Shed Area.	X-Y Shed Area	21255.00
Container Yard at Boropool Area.	Boropool Area	15000.00
Yard Behind Incontrade Container Depot	ICD	35000.00
Patenga Container Terminal	PCT	66797.00
Pangaon Terminal	PT	51410.00
Kamalapur ICD	KICD	135530.00

## Container Handling Equipment

Type of Equipment	Capacity (Ton)	Total Nos.
Quay Gantry Crane	40	18
Rubber Tyred Gantry Crane	40	52
Rail Mounted Yard Gantry Crane	40	01
Mobile Harbour Crane	84	05
Straddle Carrier (04 High)	40	48
Straddle Carrier (02 High)	40	07
Reach Stacker	45	21
Forklift (Spreader)	16	04
Reach Stacker	07	07
Container Mover	32	10
Total	-	173

## CARGO HANDLING EQUIPMENT

Type of Equipment	Capacity (Ton)	Total Nos.
Mobile Crane	100	02
Mobile Crane	50	06
Mobile Crane	30	04
Mobile Crane	20	14
Mobile Crane	10	13
Forklift Truck	20	12
Forklift Truck	10	16
Forklift Truck (High Mast)	5	10
Forklift Truck (Low Mast)	5	41
Forklift Truck (Low Mast)	3	78
Forklift-Elec. (Low Mast)	1.5	04
Multidirectional Electric Forklift	5	01

Multidirectional Electric Forklift	4	02
Multidirectional Electric Forklift	3	02
Tractor	25	06
Heavy Trailer	25	05
Light Trailer	06	30
Car Carrier	06 Cars	02
Tele Handler	10	04
Pipe Handler	30	01
Automatic Bagging Machine	-	02
Pneumatic Conveyor	-	01
Variable Reach Truck	16	03
Variable Reach Truck	40	04
Total	-	263

#### EQUIPMENT BEING PROCURED UNDER PROJECT

Type of Equipment	Capacity (Ton)	Total Nos.
Straddle Carrier (04 High)	40	15
Mobile Crane	20	12
Mobile Crane	10	23
Log Handler/Stacker	10	02
Material/Multi Handler	35	01
Low Bed Trailer	-	02
Tractor for Low Bed Trailer	-	02
Total	-	57

Weighbridge-	14
Chain Teting Maching-	2
ICU Ambulance-	1

## INLAND CONTAINER DEPOT (ICD)

An Inland Container Depot (ICD) at Dhaka, Kamalapur is in operation since 1987 with an annual handling capacity of 80,000 TEUs. At present three (Approximate) Container Trains run daily each way between Chittagong Port and Dhaka ICD.

### Facilities available :

Container holding capacity	3500 TEUs
Yard Area	1,35,744.43 Sq.m. (Appro.)
Container Freight Station (CFS)	3056 Sq.m
Weigh-bridge	1 No
Equipment Reach Stacker (45 ton):	4 Nos.
Forklift (5 ton):	2 Nos.
Reach Stacker (16 ton):	3 Nos.
Low Mast Forklift (3 ton):	4 Nos.
Tractor Trailors:	8 Nos
Railway Wagons for Container Transportation	450 Nos
Railway Terminal (length of tracks)	552.68 m
Fire Unit	1 Unit

\*\* CPA Equipment : Reach Stacker (45 ton): 3 Nos

## ICT PANGAON

Container Holding Capacity	3500 TEUs
Yard Area	55000 sq. m.
Container Freight Station (CFS)	5815 sq. m.
Weigh-bridge	2 No
Equipment	
Mobile harbour Crane	2 No
Straddle Carrier	3 Nos
Fork Lift	10 Nos
Cargo Cranes	4 Nos

## ELECTRICAL POWER SUPPLY FACILITIES :

Type of Equipment	Capacity	Present Total Nos	Remarks
Stand by Diesel Generator Set.	2.0MW, 11KV Out put	11	For continuous uninterrupted Power Supply throughout the Port area in case of power failure froms BPDB sourses.
Solar Panel Power System	54.5 KW with 4hrs out put	01 Lot	For lighting system of PAB Main Building =36Kw, Bay-Terminal= 5Kw, South container yard = 1.5Kw Rest House in Dhaka-12Kw
High mast for lighting arrangement inside Port Protected area	30 M.	176	For Proving sufficient light throughout the port protected area for night time Port operation & Security purposes.
Reefer Point Facilities	440V	1960	For providing power supply to Reefer Container in Port Protect area.

## 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 70 Tons and 5000 BHP.

## 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. Moreover, Matarbari Radio Control Station has been established to control & monitor Maritime Traffic visiting Matarbari.

## **SIMULATOR**

Training Program through combined Simulator for safe and smooth Container handling operation of Straddle Carrier (SC), Rubber Tyred Gantry Crane (RTG) and Ship to Shore Gantry Crane (STS) are running since 2014 successfully. It keeps a vital role to create a pool of skilled and efficient operators. Procurement for another Combined Simulator for Rail Mounted Gantry Crane, Mobile Harbor Crane, Reach Stacker, Container handler, fork lift, Container Trailer (Truck) and Ship Crane is under Process, Simulator Training on different module can facilitate the public and private organizations to cater for the demand of national and international job market to provide skilled manpower.

## **CPA AUTOMATION**

As a part of Journey to Smart Bangladesh, CPA aims to automate existing processes through "Consolidation, Integration and Upgradation of CPA's existing ICT based facilities/systems as per TOR". The main objective of the automation work is to develop online based software system to perform activities/operations of CPA with more efficiency and security. Besides, CPA will become more paperless institution through the implementation of CPA Automation.

## **Formulation of ICT Master Plan**

An ICT master plan is being formulated through a consultancy firm with the aim of transforming Chittagong Port into an international standard port through the use of modern technologies.

## **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.

## 6.1 Import (In Metric Tons)

F/YEARS	FOOD GRAIN	C/CLINK	FERT.	COAL	SALT	SUGAR	E.OIL	POLS	BULK OTHERS	BULK TOTAL	CONT. IMPORT	TOTAL IMPORT
2019-20	6767440	24049822	1585682	4303434	431120	2159393	2904818	6785871	26179806	75167386	19599932	94767318
2020-21	5988934	33297380	1432787	3607019	341649	2344724	2122180	7640904	27456329	84231906	22003438	106235344
2021-22	3786465	35130469	2016417	2951209	520396	2713471	2046041	9953446	23243677	87361591	22699617	110061208
2022-23	5016221	34372146	1802493	4588190	449760	1894458	2355572	11395557	28297813	90172210	20604379	110776589
2023-24	6233042	35361409	1320431	7172065	600928	1855257	2213792	14298956	24361121	93417001	22363805	115780806

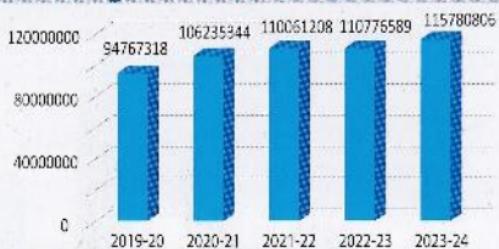
## Export (In Metric Tons)

C/YEARS	JUTE	J/GOODS	LEATHER	TEA	GARMENTS	F/GOODS	CONT, OTHERS	TOTAL CONT	UREA/FERT.	AMMONIA	NAPTHA	BULK OTHERS	BULK TOTAL	TOTAL EXPORT
2019-20	156901	477888	27076	165	2899691	103509	2860718	6525948	0	69125	0	202881	272006	6797954
2020-21	183045	489051	29123	18	3429006	151151	2787054	7068448	19500	78950	18800	308331	425581	7494029
2021-22	138268	446107	25146	1673	4140674	142486	2905720	7800074	0	94220	0	218658	312878	8112952
2022-23	122408	459773	30716	1773	3768804	105646	2848589	7337709	0	6500	0	176845	183345	7521054
2023-24	139410	492001	34240	5447	3490175	75905	3024059	7261237	0	49400	0	151305	200705	7461942

## 6.2. CARGO HANDLED (In Metric Tons)

C/Years	Grand Total (In M/T)		
	Import	Export	Total
2019-20	94767318	6797954	101565272
2020-21	106235344	7494029	113729373
2021-22	110061208	8112952	118174160
2022-23	110776589	7521054	118297643
2023-24	115780806	7461942	123242748

**CARGO HANDLED**  
(in metric tons)



**CARGO HANDLED**  
(in metric tons)

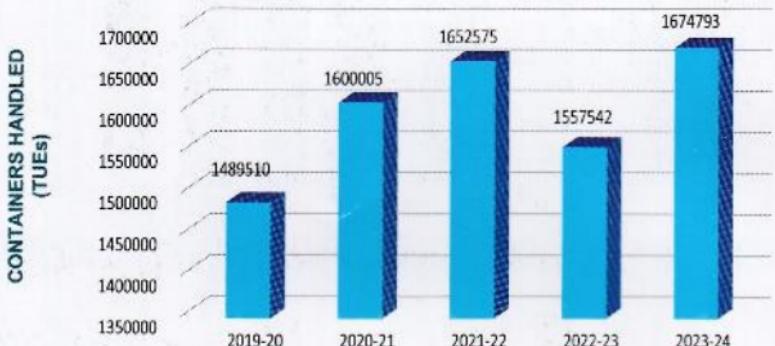


### 6.3 CONTAINERS HANDLED

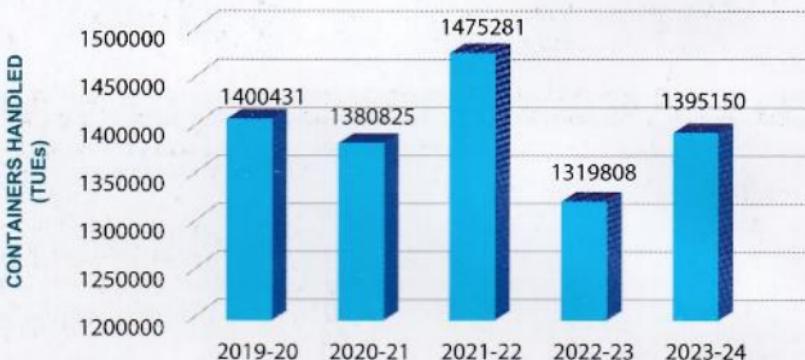
CALENDAR YEAR	CHITTAGONG PORT					
	IMPORT		EXPORT		TOTAL	
	TUEs	TONS	TUEs	TONS	TUEs	TONS
2019-20	1489510	19073840	1400431	6373139	2889941	25446979
2020-21	1600005	21419034	1380825	6942483	2980830	28361517
2021-22	1652575	22052481	1475281	7656488	3127856	29708969
2022-23	1557542	19928778	1319808	7167913	2877350	27096691
2023-24	1674793	21886711	1395150	7159313	3069943	29046024

CALENDAR YEAR	DHAKA ICD					
	IMPORT		EXPORT		TOTAL	
	TUEs	TONS	TUEs	TONS	TUEs	TONS
2019-20	44119	344964	44671	144160	88790	489124
2020-21	45988	381395	45680	122780	91668	504175
2021-22	51350	476178	50782	133057	102132	609235
2022-23	46858	397178	47396	154772	94254	551950
2023-24	44112	403649	44395	94802	88507	498451

### Container Handled Chittagong Port (IMPORT)



### Container Handled Chittagong Port (EXPORT)



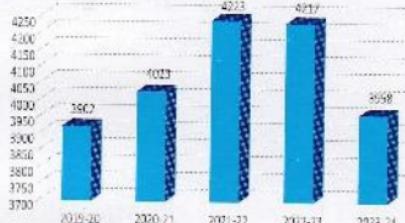
#### 6.3.1 CONTAINERS HANDLED AT DHAKA ICT (PANGAON)

CALENDAR YEAR	Inland Container Terminal Pangaon (ICT)					
	IMPORT		EXPORT		TOTAL	
	TEUs	TONS	TEUs	TONS	TEUs	TONS
2019-20	13047	181128	12364	8649	25411	189777
2020-21	12337	203009	12401	3185	24738	206194
2021-22	12670	170958	12700	10529	25370	181487
2022-23	18092	278423	17679	15024	35771	293447
2023-24	4690	73445	5550	7122	10240	80567

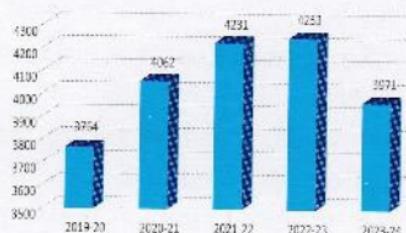
## 6.4 VESSELS HANDLED

C/YEAR	NO. OF INCOMING VESSELS	NO. OF OUTGOING VESSELS
2019-20	3902	3764
2020-21	4023	4062
2021-22	4223	4231
2022-23	4217	4253
2023-24	3958	3971

**Vessels Handled (Incoming)**



**Vessels Handled (Outgoing)**



## 6.5 CARGO HANDLED INCLUDING INLAND, ICD & ICT (in Metric Tons)

CALENDAR YEAR	IMPORT (TONS)	EXPORT (TONS)	INLAND (TONS)	ICD (TONS)	ICT (TONS)	GRAND TOTAL (TONS)	GROWTH (%)
2019-20	87275248	6645145	6965978	489124	189777	101565272	3.38
2020-21	99240759	7368064	6410181	504175	206194	113729373	11.98
2021-22	101854474	7969366	7559598	609235	181487	118174160	3.91
2022-23	101845998	7351258	8254990	551950	293447	118297643	0.10
2023-24	107850449	7360018	7453263	498451	80567	123242748	4.18

## 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 20,000 DWT and there are also a number of other private repair yards in and around port installation. Newly built service Jetty is operational for CPA owned ships.

**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.

**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.

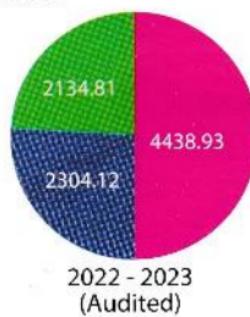
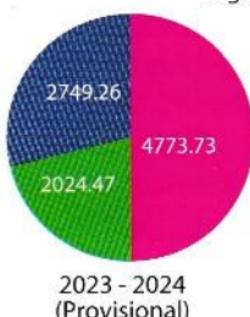
**Car storage facilities :** Available space for 6,150 unit Vehicle including New Car Shed. CPA is a regular member of Japan based International Association of Ports and Harbours (IAPH).

## 9. REVENUE INCOME & EXPENDITURE

### COLOUR INDEX

INCOME	
EXPENDITURE	
SURPLUS	

Figure in Crore



## 10. DEVELOPMENT PLAN

### A. RECENTLY COMPLETED PROJECTS :

- ▶ Strategic Master Plan for Chittagong Port.
- ▶ Chittagong Port Trade Facilitation Project (CPA Component)
- ▶ Construction of Back-up Facilities Behind Berth # 4 and 5 of 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 29 Nos. Container and Cargo Handling Equipment.
- ▶ Procurement of Three Reconditioned Container Vessels to ply Chittagong-Pangaon Route.
- ▶ Installation of Surface Water Treatment Plant...
- ▶ Procurement of one Modern Survey Boat with Multibeam Echo-Sounder.
- ▶ Procurement of Equipment for New Mooring Container Terminal (NCT).
- ▶ Construction of overflow yard at new-mooring colony
- ▶ Construction of 2nd overflow yard at new-mooring colony
- ▶ Procurement of two mobile Harbour crane
- ▶ Construction of CPA Hospital Complex.
- ▶ Shifting and Re-construction of Services Jetty located near Dock Office to the Upstream of Jetty No. 1.
- ▶ Construction of Potenga Container Terminal (PCT)

- ▶ Procurement of Two High-Power Tugboats (5000 BHP/70 Tons Bollard Pull)
- ▶ Installation of Container Scanner at Export gate to implement ISPS Code in Chittagong Port

### **B. On-Going Projects:**

- ▶ Navigability Enhancement in Karnaphuli River by Garbage Removal and Dredging from Sadarghat to Bakalia char.
- ▶ Procurement of Necessary Equipment for Various Yards And Terminals of Chittagong Port
- ▶ Matarbari Port Development Project
- ▶ Construction of Heavy Lift Cargo Jetty with Backward Facilities.

### **C. Future Projects:**

- ▶ Construction and Operation of Laldia Container Terminal (LCT) through PPP.
- ▶ Construction of Multipurpose Terminal at Bay Terminal.
- ▶ Construction of Bay Container Terminal -1 through PPP.
- ▶ Construction of Bay Container Terminal -2 through PPP.
- ▶ Construction of Matarbari Port (Stage-1, Phase-2)
- ▶ Construction of Matarbari Port (Stage-2)

## Chittagong Port Area Map





## CHITTAGONG PORT AUTHORITY

❖ Bandar Bhaban  
Po. Box No. - 2013  
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❖ 02-333322200-29 (Pabx)  
❖ 88-02-333310889, 333319510  
► [chairman@cpa.gov.bd](mailto:chairman@cpa.gov.bd)  
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