

Over View

2015-2016



CHITTAGONG PORT AUTHORITY

1. CHITTAGONG PORT AND ITS ECONOMIC IMPORTANCE

Chittagong port is the major seaport of Bangladesh. It provides a major gateway for the country's trade with the outside world. During the year 2012-2013 Chittagong port handled over 47.29 million metric tons of cargo including 1.62 million TEUs containerised cargo, which is around 92% of total maritime trade of Bangladesh. The GDP growth of Bangladesh economy is around 6 - 7% while the container traffic growth of Chittagong Port is about 12 - 14% which is double of GDP rate. Thus Chittagong Port's contribution to the national economy is remarkable. To meet the challenges of globalization and liberalization of world trade and economy, Chittagong Port has under taken many ambitious projects to enhance its capacity, improve efficiency and quality of services and also to develop adequate facilities to turn itself into a world class regional port.

2. HISTORICAL BACKGROUND

The history of Chittagong Port can be traced back to the 4th century BC. During the 9th to 15th century AD, Chittagong was known as 'SHETGANG' to early European mariners. In the 16th century, Portuguese sailors took great interest in the locality around Chittagong which was then popularly known as 'PORTE GRANDE'. The port was established at its present location in 1887. By 1910, four jetties were constructed to handle 0.5 million tons of cargo annually. Since then the port has grown gradually to its present shape.

3. LOCATION

Chittagong port is situated in the estuary of the river Karnaphuli; being around eight nautical miles inshore from the port's outer anchorage.

4. ADMINISTRATION

The Chittagong Port Authority (CPA) was established through promulgation of The Chittagong Port Authority Ordinance 1976. The CPA now comprises of the Chairman and four other Members. The Chairman is appointed by the Government and also is the Chief Executive of the port. The port operates under the administrative control of the Ministry of Shipping of the Government of the People's Republic of Bangladesh.

5. FACILITIES

5.1 JETTIES AND MOORINGS :

5.1.1 For Ocean-Going Vessels :

5.1.1.1 Berths owned and operated By CPA :

	No.
● General Cargo Berths	06
● Container Berths	11

5.1.1.2 Specialised Berths for Bulk handling :

● Dolphin Oil Jetty (for POL)	3
● Grain Silo Jetty	1
● Cement Clinker Jetty	1
● TSP Jetty	1
● CUFL Jetty	1
● KAFCO Urea Jetty	1
● Ammonia Jetty	1

5.1.1.3 Repair Berths

● Dry Dock Jetties	2
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5.1.1.4 Mooring Berths

● River Moorings	5
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5.1.2 For Inland Coasters & Vessels :

● Jetty Berths (for POL)	1
● Concrete Berth (for Grain handling)	1
● Pontoon Berths (for POL)	3
● Pontoon Berth (for Cement)	1
● Single Point Moorings	14

Total 33

Total 20

5.2 CARGO STORAGE SPACE (Break-bulk)

5.2.1 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

5.2.2 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.		

5.3 GENERAL CARGO HANDLING EQUIPMENT

	Nos.
● Mobile Crane 10 - 50 ton	45
● Forklift Truck 10 - 20 ton	6
● Forklift Truck 3 - 5 ton	96
● Industrial Tractor 25 ton	11
● Heavy Trailer 20 - 25 ton	5
● Light Trailer 6 ton	30
● Shore Crane 2 - 3 ton	19

5.4 CONTAINER HANDLING FACILITIES :

● Holding Capacity (GCB+CCT+NCT+NCY)	36357	TEUs
● Yards	20	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 (415 volts)	points
● Standby Generator-8 MW (2x4)	8 mw (2x4)	
● Water Reservoir	1,40,000	gallons
● Fire Brigade	1	unit

5.4.1 CONTAINER HANDLING EQUIPMENT

Equipment	Capacity (Ton)	Nos.
● Quay Gantry Crane	40	04
● Mobile Harbour Crane	84	02
● Rubber Tyred Gantry Crane	40	19
● Straddle Carrier (2 & 4 High)	40	38
● Reach Stacker (RS)	45	11
● Forklift Truck 25 - 42		5
● Forklift Truck 7 - 16		19
● Reach Stacker	7	6
● Container Mover	50	5
● Terminal Tractor	50	43
● Trailer	50	55

5.5 COMPUTERIZATION

Financial Accounts, Pay-Roll Accounts & Different Bills (Vessel Bill, Container Bill & Cargo Bill) are prepared by Computer. Computerized Gate Pass Systems (GPS), Personnel Management Information Systems (PMIS), Hospital Management Systems (HMS) and Port Trader Automation Systems (PTAS), Computerization of Dhaka ICD and Pangaon ICT operation have already been implemented. Internet connection has been provided to port officials. CPA Website (www.cpa.gov.bd), website for Pangaon ICT (www.pict.gov.bd), CPA Boys College (www.cpc.edu.bd), CPA Girl's College (www.cpgc.edu.bd) have been developed. Container Terminal Management Information System (CTMS) has been installed for container operation in CPA. VTMS (Vessel Traffic Management Information System) has already been implemented in CPA.

5.6 INLAND CONTAINER DEPOT (ICD)

An Inland Container Depot (ICD) at Dhaka 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	4,067	TEUs
● Yard Area	1,36,954	Sq. m
● Container Freight Station (CFS)	6,508	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 Trailers : 08 Nos	
	550 Nos	
	1097 m	
	1 Unit	
● Railway Wagons for Container Transportation		
● Railway Terminal (length of tracks)		
● Fire Brigade		

5.7 DREDGER

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

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

5.9 ENVIORNMENT 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.

5.10 FIRE FIGHTING ARRANGEMENTS

The CPA maintains a full fledged Fire Fighting Unit within the jetty premises with modern equipment 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.

5.11 SECURITY

1. Security in the port is maintained round the clock by specially trained port security personnel who are armed as required. In addition to port security personnel; Bangladesh Army, Bangladesh Ansar are also deployed for strengthening port security.
2. Personnel access control is maintained with Proximity Access Control System, Archway, Hand Held Metal Detector, baggage scanner etc.
3. Vehicle search is carried out with Fixed Under Vehicle Inspection System. Beside this, Hydraulic Road Blocker is installed at one gate for stopping entry/exit of vehicles on any emergency situation.
4. Trained watchmen are being deployed onboard ships within port limit to ensure further security of the ships.
5. The activities in the port Protected Area are continuously monitored through Close Circuit Television (CCTV) System. An auto generated fire alarm system is also incorporated with CCTV Monitoring System in addition to the regular Fire Service of Chittagong Port. The CCTV System also includes a public address system to announce a general broadcast/emergency message for the people working inside the port.
6. River area patrol is regularly carried out with port's speedboats. In addition, Bangladesh Coast Guard and Bangladesh Navy and Bangladesh Army Security Cell also carry out boat patrol in the vicinity.
7. One Search and Rescue Cum Ambulance Ship is newly incorporated in Port Security arrangement. It is capable of rescuing distressed personnel within the port limit and providing necessary medical support.
8. Color Coded Reflecting Security Waistcoat for staff and Workers of all port users working inside Port Protected Area for safety and security reason has been introduced.
9. The future procurement includes- 100% coverage of CCTV and public address system. Fire Fighting cum Rescue Vehicle, More Mobile X-ray Scanning System, One-way Machine Readable Access Control System for vehicle and personnel, Mobile explosive Detector, Heavy Recovery Vehicle, Modern Fire Fighting Vehicle/Snorkel etc.
10. The Mobile Explosive Detector shall be capable of detecting any explosive, nurotic, stowaway etc. Recovery Vehicle shall recover any damaged/illegally parked/seized vehicle and new Fire Fighting cum Rescue Vehicle shall be capable of rescuing distress personnel with emergency medical support.
11. CPA is complying with International Ship and Port Facility Security Code since 2004 for enhancing safety and security within Port Limit in a manner as desired by the code.

5.12 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 computerised truck weighing scales (100T) installed at two stage gate under custom overbridge at GCB area.

5.13 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. It is a radar and camera based vessel Traffic Management and Information system. The introduction of the system has not only enhanced maritime safety but has also reduced the threat of piracy and theft in the anchorage areas. Guiding the pilots in the hours of restricted visibility and navigation during fog is now possible. It is a modern tool in the hands of the mariners.

5.14 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. Training on combined/integrated operations of Straddle Carrier (SC), Rubber Tyred Gantry Crane (RTG) and Ship to Shore Gantry Crane (STS) are being provided through the simulator program. To cater for the demand of national and international market to develop skilled manpower, provisions have been made to extend the simulator training facilities to the public and private organizations.

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, Naptha, Molasses, Frozen goods, etc.

Import (In Ton)

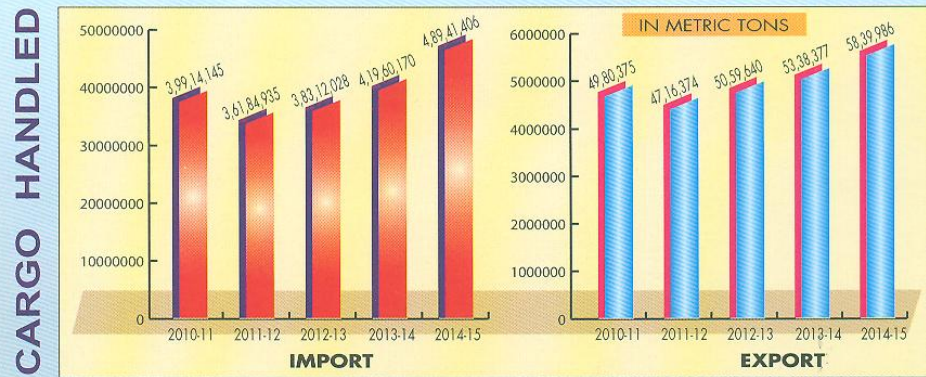
Period	Food Grain	Cement	Cement Clinker	Fertilizer	Coal	Salt	Sugar	Edible Oil	Petroleum Oil	Others	Total
July-13 to June-14	2072156	-	13580424	1256454	-	-	2044215	1710798	5576296	15719827	41960170

Export (In Ton)

Period	Jute	Jute Products	Leather Goods	Tea	Garments	Frozen Goods	Urea Fertilizer	Naptha	Ammonia	Others	Total
July-13 to June-14	190071	808741	31477	495	2653198	173429	80	79618	14000	1387268	5338377

6.2 CARGO HANDLED (in metric tons)

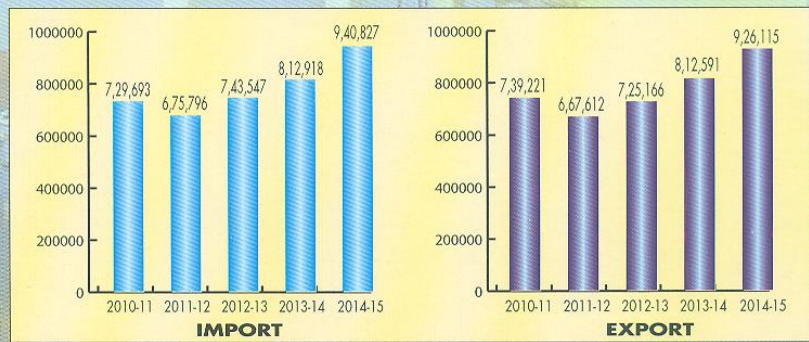
Year	Import	Export	Total
2010-2011	3,99,14,145	49,80,375	4,48,94,520
2011-2012	3,61,84,935	47,16,374	4,09,01,309
2012-2013	3,83,12,028	50,59,640	4,33,71,668
2013-2014	4,19,60,170	53,38,377	4,72,98,547
2014-2015	4,89,41,406	58,39,986	5,47,81,392



6.3 CONTAINERS HANDLED

Financial Year	Chittagong Port						Dhaka ICD			
	Import		Export		Total		Import		Export	
	TEUS	TONS	TEUS	TONS	TEUS	TONS	TEUS	TONS	TEUS	TONS
2010-11	7,29,693	1,10,71,826	7,39,221	45,11,273	14,68,914	1,55,83,099	32,238	2,82,156	32,949	1,19,523
2011-12	6,75,796	94,39,987	6,67,612	43,98,815	13,43,408	1,38,38,802	33,123	3,15,544	33,582	1,23,187
2012-13	7,43,547	99,28,300	7,25,166	46,27,834	14,68,713	1,45,56,134	31,053	3,23,993	31,585	1,33,566
2013-14	8,12,918	1,11,25,348	8,12,591	50,12,427	16,25,509	1,61,37,775	30,177	3,15,118	29,807	1,30,100
2014-15	9,40,827	1,31,32,923	9,26,115	55,35,446	18,67,062	1,86,68,369	18,243	1,93,252	18,588	61,973

CONTAINERS HANDLED (TEUS)

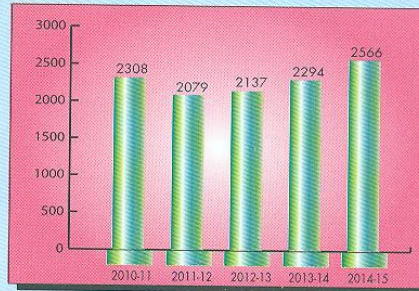


6.3.1 CONTAINERS HANDLED AT PANGAON ICT

Financial Year	Inland Container Terminal Pangaon (ICT)					
	Import		Export		Total	
	BOXES	TEUS	BOXES	TEUS	BOXES	TEUS
2013-14	241	419	189	323	430	742
2014-15	110	170	174	313	284	483

6.4 VESSELS HANDLED

Year	No. of Vessels
2010-2011	2308
2011-2012	2079
2012-2013	2136
2013-2014	2294
2014-2015	2566



NO. OF VESSELS

6.5 CARGO HANDLING INCLUDING INLAND & ICD (in metric tons)

FINANCIAL YEAR	IMPORT (TONS)	EXPORT (TONS)	INLAND (TONS)	ICD (TONS)	GRAND TOTAL (TONS)	GROWTH (%)
2010-2011	3,99,14,145	49,80,375	47,72,786	5,32,053	5,01,99,359	24.78
2011-2012	3,61,84,935	47,16,374	65,48,490	5,72,141	4,80,21,940	(-) 4.34
2012-2013	3,83,12,028	50,59,640	60,87,947	4,57,559	4,99,17,174	3.95
2013-2014	4,19,60,170	53,38,377	58,33,786	4,45,218	5,35,77,551	7.33
2014-2015	4,89,41,406	58,39,986	64,69,673	4,74,800	6,17,25,865	15.21

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.
- 28 days free time for transshipment container and 10 days for break bulk transshipment cargo.
- Documentation procedure simplified through introduction of one stop service centre.

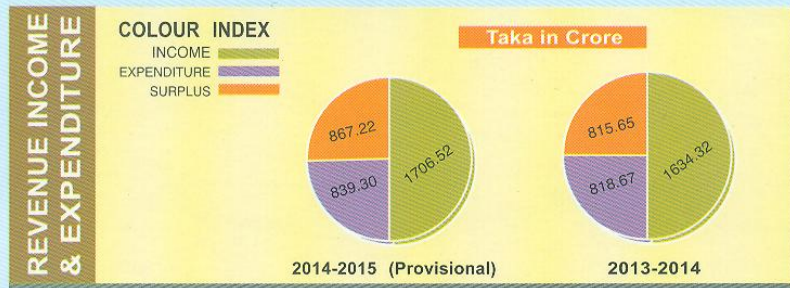
8. NAVIGATIONAL INFORMATION

- **Maximum Permissible Draught** of vessels ranges from 8.50 m. to 9.20m.
- **LOA:** Maximum permissible LOA of a vessel is 186 metres. Plan is to increase the permissible draft to 9.5m and LOA upto 190m. soon.
- **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 ordinance.
- **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 scrap vessels and vessel awaiting employment.
- **Night Navigation:** Inward and outward movement of the ships are limited to 160 metre length over all (LOA).

9. OTHER INFORMATION

- **Handling Capacity:** At present Port is handling over 41 million tons of cargo per year.
- **Repair:** Chittagong 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.
- **Chittagong 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 5,200 unit Vehicle.
- **CPA** is a regular member of Japan based International Ports and Harbours (IAPH).

10.



11. DEVELOPMENT PLAN

A. RECENTLY COMPLETED PROJECTS :

- Chittagong Port Trade Facilitation Project (CPA Component) (Including CTMS).
- 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 Vessel to ply Chittagong-Pangaon Route.

B. ON GOING PROJECTS :

- Capital Dredging and Bank Protection with Jetty Facilities in the Karnaphuli River from Sadarghat Jetty to 3rd Karnaphuli Bridge.
- Installation of Surface Water Treatment Plant.
- Procurement of one Modern Survey Boat with Multibeam Echo-Sounder.
- Construction of CPA Hospital Complex in place of existing Hospital.
- Strategic Master Plan for Chittagong Port (Under ADB's TA).
- Procurement of Equipment for New Mooring Container Terminal (NCT).
- Construction of Vehicle Parking Shed.
- Relocation and Construction of Custom Warehouse-cum-Shed.

C. UP COMING PROJECTS:

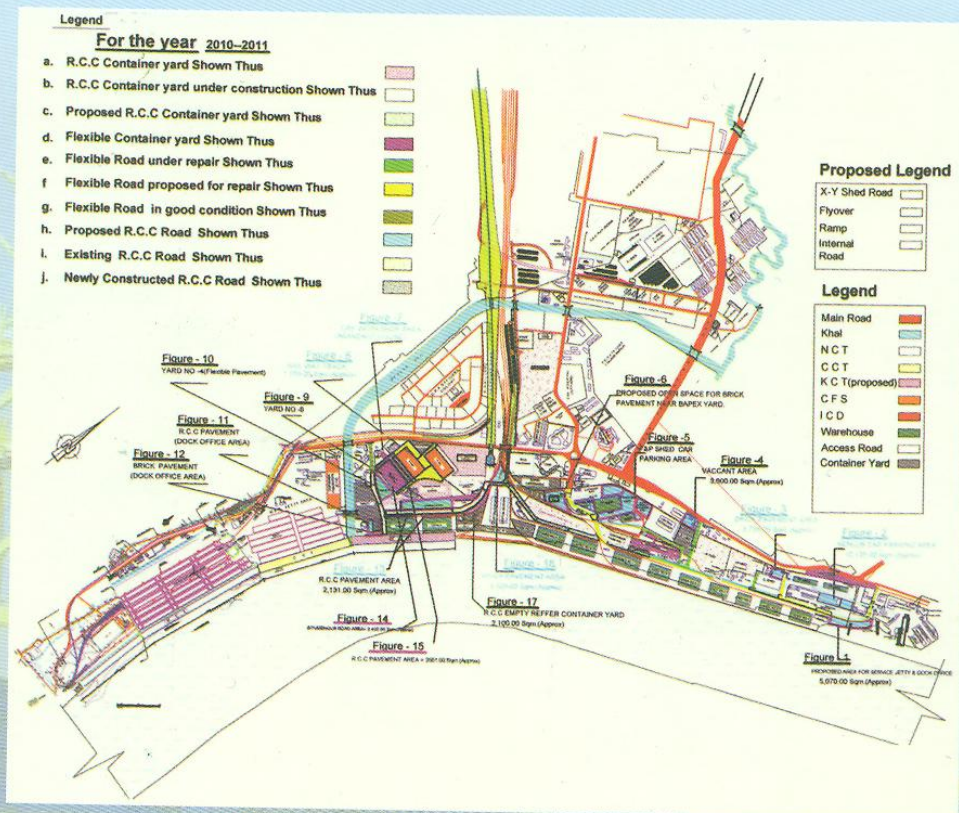
- Acquisition of a Trailing Suction Hopper Dredger.
- Procurement of 2 Nos. Rail Mounted Quay Gantry Crane for Pangaon ICT.
- Procurement of 2 (two) nos. Shore Cranes.
- Construction of 3 Nos. 15 Storied Residential Building (A, B, C Type).
- Construction of Cardiac unit beside proposed CPA Hospital complex.
- Replacement of Tug Boat KANDARI-6.
- Procurement of one Heavy Duty Pilot Vessel.
- Construction of Multipurpose Terminal at Laldia.
- Construction of overflow yard at new-mooring colony.
- Procurement of Global Positioning System and Single beam Eco-sounder.
- Replacement of Jarip-15 with modern hydrographic Survey equipment.
- Procurement of Fire Tender.
- Procurement of Water Tender.

D. FUTURE PROJECTS :

- Replacement of PB Prahari & P.B. Rakshi.
- Construction of Bay Terminal and Extension of Port Services.
- Procurement of one Tug Boat (3000 BHP).
- Procurement of 2 Nos. Fast Going Security Patrol Boat.
- Construction of 40 Storied CPA Tower Building.
- Replacement of Water Boat Jorna.
- Construction Multistoried CPA Officers Quarter.
- Construction of a fly over from EPZ to Gate No. 5 of CPA.
- Installation of 30 MW power plant with provision to upgrade upto 50 MW in future.

12. DOWNLOAD

A softcopy of this brochure in PDF format, requiring Adobe Acrobat Reader 7.0 or later may also be downloaded from the CPA website www.cpa.gov.bd.



CONTACT ADDRESS

CHITTAGONG PORT AUTHORITY
BANDAR BHABAN, PO BOX NO - 2013
CHITTAGONG - 4100, BANGLADESH

TEL : +88 - 031 - 2522200 - 29 (PABX), FAX : +880 - 31 - 2510889, 2519510
E-mail : secretary@cpa.gov.bd, Website: www.cpa.gov.bd