<table>
<thead>
<tr>
<th>Project Title</th>
<th>Duration</th>
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<td>3. Reconstruction of Net Mending Wharf – Tema Fishing Hbr</td>
<td>2012 - 2013</td>
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<td>4. Installation of Optical Character Recognition System (OCR), Tema</td>
<td>2013 - 2013</td>
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<tr>
<td>5. Purchase of Multipurpose Tug Boat &amp; Security Patrol Boat, Tema</td>
<td>Arrived</td>
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<tr>
<td>6. Purchase of Container Handling Equipment, Tema</td>
<td>Arrived</td>
</tr>
<tr>
<td>7. Construction of 130-bed Maritime Hospital Tema</td>
<td>2012 - 2015</td>
</tr>
<tr>
<td>Project Title</td>
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<td>------------------------------------------------------------------------------</td>
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<tr>
<td>8. Rehabilitation of Loading Arms at Oil Berth, Tema</td>
<td>Completed-2013</td>
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<td>9. Consultancy Services for Design of Satellite Truck Village, Ashaiman</td>
<td>2013 - 2013</td>
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<td>10. Tema Port Upgrade and Expansion</td>
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<td>12. Coastal Fishing Ports and Fish Landing Sites</td>
<td>2014 - 2016</td>
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<tr>
<td>16. Building and delivering of Pilot Launch for the Port of Tema</td>
<td>2013 - 2013</td>
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</tbody>
</table>
1. Construction of Bulk Cargo Handling Jetty

Contractors fully mobilized. Various equipment have been positioned. Testing Devices all assembled and work is in progress.

Contractors: Amandi Holdings. Cost of Project: US$122 million

Project to complete by December 2014

Jack-up plant

Drilling machine. Drills into the Rocks under sea bed
Construction of Bulk Cargo Handling Jetty

Contractor on site, piling, concrete and pre-cast works on-going.

Automatic Concrete Batching Plant for production of special concrete for construction

Loading Barge – conveyor and construction platform

The objective of this project is to increase the capacity of the Port, provide additional berths with a view to reducing waiting time of vessels.
2. Dredging of Canoe Basin/Wreck Removal
Reconstruction of Net-Mending Wharf,
Tema Fishing Harbour

**Dredging of Canoe Basin and Wreck Removal**

**Contractors:** DMMI GH LTD

Job completed in May, 2013.

**Cost of Project:** US$2.4 million

**Main dredging and cleaning works for the canoe basin completed.**

**Concrete block-wall installed for wharf structure, backfilling completed.**

**On-going reconstruction of Net-mending Wharf and Canoe Basin, repair of breakwater and resurfacing of access driveway**

The dredging will ease congestion and remove threats to navigation, contain deep-drafted fishing vessels and securely berth more of such vessels at the same time. Net-mending activities of artisanal fisher folks in a safe environment will also be restored.

**Reconstruction of Net-Mending Wharf**

**Contractors:** FNB Investment Ltd

Work to complete in September, 2013

**Cost of Project:** GHC5.5 million
Civil Works on-going – driveways, jersey barriers, camera frames.

Cost of Project: US$448,000.00 approx.
Project to complete: November, 2013

Eight (8) Optical Character Recognition Systems are being installed at the main gates of the port to capture, store and distribute container and vehicle movement in and out of the port.

This facility will ensure the safety, efficient and smooth management of container and vehicular movement to and from the port. Trucks and drivers not registered with the system cannot enter the port.

Gates will look like this on completion
4. Purchase of Multi-purpose Tug Boat

**Tug Boat – Vice Admiral Owusu-Ansah**

Manufacturers: DAMEN SHIPYARD, Netherlands

**Cost of Tug Boat: Euro 6.9 million**

Vice Admiral Owusu Ansah was a professional Naval Officer and Director General of GPHA from 1988 to 1992. During this period, he presided over the successful implementation of major port reforms that took place just after the merger of the defunct companies that gave birth to GPHA. He died in January 2009.

The Tugboat is a multi-purpose, highly manoeuvrable vessel for harbour and coastal berthing operations as well as offshore towing. It is the first of its kind in terms of manoeuvrability to be acquired by GPHA. The boat which has a bollard pull of 56 tons is also equipped for external fire fighting and oil pollution control.
5. Purchase of Security Patrol Boat

Security Patrol Boat – Cletus Adugbire
Manufacturers: MARITIME PARTNER, Norway

Cost of Patrol Boat: Euro 2.2million

Cletus Adugbire was with the Security Department of Tema Port. Highly disciplined, hardworking and courageous junior staff who always did all he could to prevent thugs from entering the port. While on duty at the Tema Fishing Harbour he was clubbed by an assailant resulting to his death on 15 September 2010.

The boat is to ensure security in the harbour, anchorage and its adjoining areas. The boat has a maximum speed of 35 knots. This will enhance GPHA’s preparedness to fight any activities of armed bandits in our pilotage district.
6. Purchase of Container Handling Equipment

Container Handling Equipment
Supplier: Pasico Ghana Limited
Cost: Euro 6.2million

Various cargo handing equipment have been procured and deployed at various parts of the port.

These Rubber-tyred gantry cranes arrived in June, 2013

The objective is to meet the demands of increased cargo volumes.

New Reachstackers and Forklifts on display
7. Purchase of Container Handling Equipment

Container Handling Equipment
Supplier: Pasico Ghana Limited
Cost: Euro 6.2million

Various cargo handing equipment have been procured and deployed at various parts of the port.

Some of the new forklifts on display

The objective is to meet the demands of increased cargo volumes.

Two new Reachstackers at work
8. Construction of 130-bed Maritime Hospital

The Hospital will provide efficient health delivery services and a one-stop referral medical centre of excellence to the Port Community and the General Public in Tema area. This facility will add-on to the existing health facilities in the metropolis.

Facilities include:
- 5 ultra-modern Surgical Theatres; MRRI, CT, X-Ray and other Scanners; Maternity, Male, Female, Children Wings; ICU; VIP Ward and other Wards; Accident/Trauma Centre; Laboratories

Contractors: China State Hualong Gh. Ltd  Works to be completed December 2015

Cost of Project: GHC46million:
- Facility Structure - GHC18million
- Medical Equipment/Installation - GHC28million
9. Rehabilitation of Loading Arms at Oil Berth

Contractors: FMC Technologies, France

The Completed Works included:

- Replacement of LPG loading arm
- Rehabilitation of 8inch loading arms for finished products.
- Rehabilitation of 10inch loading arm for crude oil.

Cost of Project: Euro 292,784

With these in place, reliable and smooth delivery of petroleum products to and from Tema Oil Refinery (TOR) is assured.
10. Consultancy Services for the Design of Satellite Truck Village at Ashaiman

Contractors: Associated Consultants & GIBBS International, Kenya
Cost of Project: US$450,000
A World Bank Project
Construction begins: 2014
Draft Report submitted by Consultant. Final Designs and Reports being worked on

Transit Park on Completion
Parking areas for trucks, other vehicles, agents parking, staff parking. Documentation and Processing Facility, Hostel Facilities, and Cafeteria Maintenance Facility

This project will serve as safe and secured central truck park for haulage trucks. It will ease congestion around the port and also facilitate transit trade through Ghana.
11. Re-modelling of Office Building for Tema Port Head Office

**Contractor: JOMAPAT Co. Ltd.**
Contractor on site; all demolishing works completed; tiling, glazing, electrical ducting and internal rendering works on-going.
## 12. PORT UPGRADE AND EXPANSION PROJECT

<table>
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<tr>
<th>Project Title</th>
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<tbody>
<tr>
<td>Geotechnical Investigation Works</td>
<td>Contractor on site. Bathymetric and sub-bottom profiling surveys completed. Geotechnical drilling works ongoing.</td>
</tr>
<tr>
<td>Consulting Services for Designs of Port Infrastructure and Port Access Roads.</td>
<td>GPHA awaiting Central Tender Review Board Approvals for the Technical Evaluation Reports.</td>
</tr>
</tbody>
</table>
Current Port of Tema
Phase I of Expansion Works

Phase I Works
- Dredge & Reclamation
- Building of Breakwater
- Building of 5 more Berths
Phase II

- Extension of Breakwaters
- Building of 3 more Berths
Phase V Works – The Vision 2018

Phase V Works
- Development of Rig Repair Facilities
- Development of Oil Services Terminal
13. Master Terminal Management System
Supplier: JADE Corporation, New Zealand
Contract Signed; Pre-execution planning session scheduled for end of Sept. 2013.
## PORT TAKORADI PROJECTS: 2012-2016

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Duration</th>
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<tr>
<td>1. Port Development Services, Takoradi</td>
<td>2013 - 2014</td>
</tr>
<tr>
<td>2. Port Upgrade and Expansion</td>
<td>2012 - 2016</td>
</tr>
<tr>
<td>3. Feasibility Studies for additional facilities at Sekondi F/Hbr</td>
<td>2013 - 2014</td>
</tr>
</tbody>
</table>
Consulting Services for Takoradi Port Expansion

Contractor: JV Sellhorn Ing mbH and Hamburg Port Consultants HPC GmbH – Germany
Cost of Service: GHC12 million
Funding: GPHA
Contract Period: April 2013 – March 2014

OBJECTIVE OF PORT EXPANSION

To safely take in modern, bigger and deep-drafted vessels, reduce ship turnaround time, and also provide service and logistics base for the oil field. Phase 1 development also creates opportunities for private investment in the development of other important commercial facilities.

STATUS:
Feasibility Studies and Master Plan Review have been concluded.

PPP and Transaction Advisory Services:
GPHA has completed the revised RFP and submitted to the Bank for No Objection.

Construction Supervision and Project Management Services have commenced.
Construction Works for
Takoradi Port Upgrade & Expansion

Contractor: Jan de Null NV, Belgium
Cost of Works: €197.0 million
Funding: KBC Bank Loan, Belgium

Construction Works include:
- Breakwater extension: 1.15km
- Dredging to 16m chart datum
- Reclamation
- Bulk Cargo Handling berths for manganese, bauxite, & Clinker

STATUS OF PROJECT:
Designs, Geotechnical Investigations surveys and the Detail Design Reports concluded for construction.

Contractor is on site – truck, bulldozers, cranes and other land-based equipment mobilized.

CDB loan component for Access Roads, other marine works, yet to be disbursed. Contractor CHEC is on stand-by.

OBJECTIVE OF PORT EXPANSION
To safely take in modern, bigger and deep-drafted vessels, reduce ship turnaround time, and also provide service and logistics base for the oil field.
Takoradi Port Upgrade and Expansion

Mobilization yard being prepared by the Contractor, Jan de Null NV. for the Port Expansion Works. Several equipment have been delivered to site.
Takoradi Port Upgrade & Expansion
Feasibility Studies for the Provision of Additional Facilities for Sekondi ABS Fishing Harbour, Takoradi Port

Contractor: JICA/ECHO Corporation  
Cost of Studies: US$0.3m  
Funding: JICA/Japan Government  
Study Period: July, 2013 to February, 2014

Additional Facilities include:
• Lay-by wharf, 160metres  
• Fish net-mending area  
• Ice plant (30tons-per-day)  
• Fuel dispensing station for fishing vessels  
• Administration block

STATUS OF STUDY:  
Feasibility Studies have commenced.  
Site investigations and multi-stakeholder meetings have also commenced.

Cost of providing Additional Facilities is approximately US$25 million; to be confirmed at end of feasibility studies and designs.

The facility will provide additional berthing facilities and promote conducive atmosphere for fishing activities.
Construction and Supply of Mooring Buoys

Contractor: Zeni Lite Singapore
Cost of Works: US$3 million approx.

Funding: GPHA
Contract Period: August – December, 2013

Construction of the mooring buoys is completed.
Processes for shipment is underway and expected to arrive by September, 2013.

The Buoys will ensure the safety of bigger and deep-drafted vessels that are moored midstream. It plays a very key role in the stability of stagnant vessels.