

## ❑ Project undertaken by CWASA in last 10 years

Name of the Projects	Financing	Cost (MUSD)	Implementation Status
<b>1. Karnaphuli Water Supply Project (Phase-1)</b> <b>(WTP -143 MLD, Pipeline- 69 Km)</b>	JICA GOB CWASA	JICA-117 GOB-111 CWASA-3 <b>Total = 231</b>	<b>Completed (2016)</b>
<b>2. Chittagong Water Supply Improvement and Sanitation Project (CWSISP)</b> <b>(WTP-90 MLD, Pipeline- 160 Km)</b>	IDA GOB CWASA	IDA-190 GOB- 43.5 CWASA- 2.5 <b>Total=236</b>	<b>Completed (2019)</b>
<b>3. Karnaphuli Water Supply Project (Phase-2)</b> <b>(WTP -143 MLD, Pipeline- 750Km)</b> <b>(Scheduled to be completed in 2022)</b>	JICA GOB CWASA	JICA-453 GOB-105.5 CWASA- 3.5 <b>Total=562</b>	<b>❑ Progress 60%</b>

## ☐ Project undertaken by CWASA(contd...)

Name of the Projects	Donor Agency	Cost (MUSD)	Implementation Status
<b>4. Bhandal Jhuri Water Supply Project</b> <b>( WTP-60 MLD; Pipeline- 113 Km)</b> <b>(Scheduled to be completed in June, 2023)</b>	<b>EDCF</b> <b>GOB</b> <b>CWASA</b>	<b>EDCF-97</b> <b>GOB-135</b> <b>CWASA-2</b> <b>Total=234</b>	<input type="checkbox"/> <b>Progress 30%</b>
<b>5. Project for Establishment of Sewerage System in Chattogram Metropolitan (Phase-1)</b> <b>( STP-100MLD; FSTP- 300 Cum/day; Sewer Line -150 Km)</b> <b>(Scheduled to be completed in June 2023)</b>	<b>GOB</b> <b>CWASA</b>	<b>GOB-470</b> <b>CWASA-6</b> <b>Total=476</b>	<input type="checkbox"/> <b>Consultant appointed</b> <input type="checkbox"/> <b>Preparation of conceptual design &amp; bidding documents is ongoing</b> <input type="checkbox"/> <b>Progress – 2%</b>
<b>Total = 1739 MUSD</b>			

# Future Investment Planning (contd....)

## Chattogram Water Supply Network Improvement Project

- ☐ Currently CWASA has been implementing Karnaphuli Water Supply Project (Phase 2) funded by JICA
- ☐ JICA Funded Project included establishment of 59 Nos. DMA's in certain part of the city named as Karnaphuli Service Area (KSA).
- ☐ The proposed project included rehabilitation of existing pipeline network & expansion of the network at the outside areas of Karnaphuli Service Area (KSA).
- ☐ Number of Sectors : 5
- ☐ Number of DMA's : 46
- ☐ Pipe line : 815 km
- ☐ Estimated Cost : **\$329 M** (PA \$243 M + GOB \$86 M)
- ☐ Design Build Bid Document including conceptual design & cost estimate prepared under WB funded project( CWSISP)
- ☐ **Feasibility Study Ongoing**
- ☐ **Source of Financing : Standby for 2021 under ADB financing**
- ☐ **PDPP has been sent to ERD**

# Future Investment Planning (Contd.....)

## Mohara WTP Extension Project

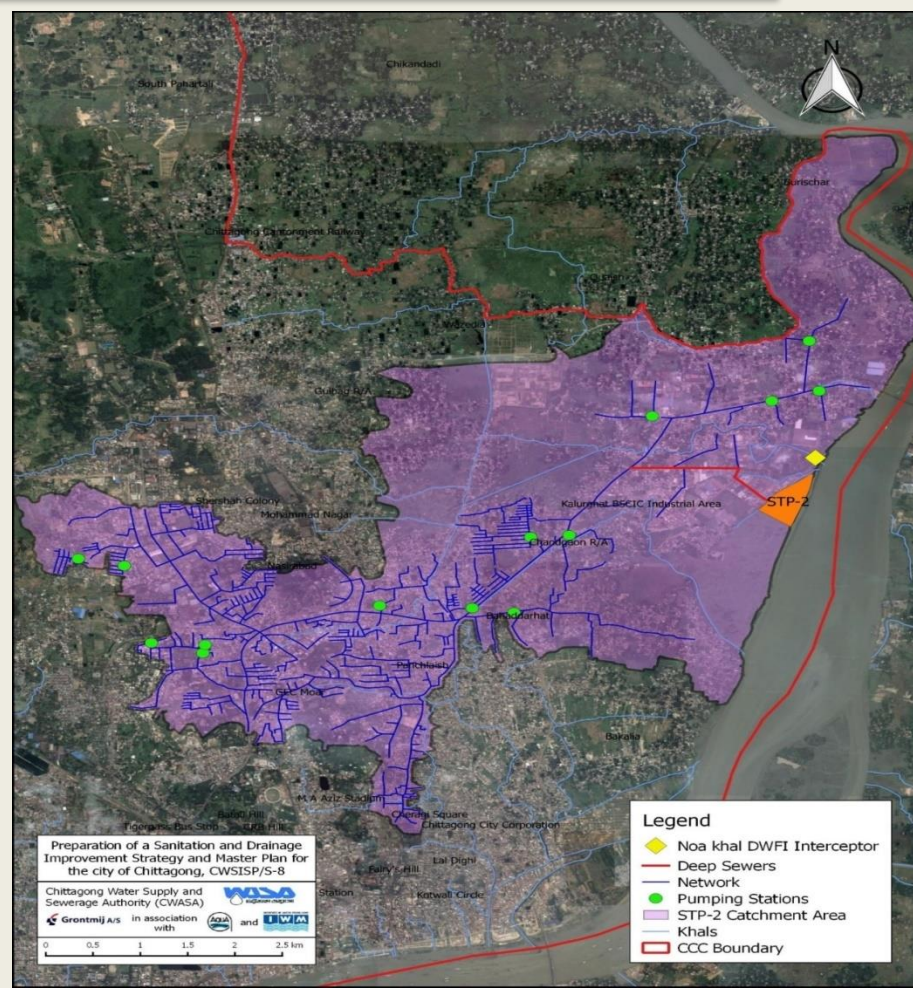
- ❑ Estimated Cost : \$ 387 M
- ❑ 2<sup>nd</sup> unit construction of Existing Mohara WTP and associated transmission & distribution facilities to supply water to BEZA
- ❑ WTP Capacity : 140 MLD
- ❑ Transmission & Distribution Pipe Line : 169Km
- ❑ Feasibility Study Ongoing
- ❑ Source of Financing: **Funding not yet confirmed**  
Expected Funding by GoB or Bangladesh Export Zone Authority (BEZA)



# Future Investment Planning (Contd...)

## Chattogram Metropolitan Sewerage Project for Kalurghat Catchment

- ☐ Project Cost : \$523 M
  - PA- \$220M
  - GOB - \$ 303M
- ☐ Population : 0.90 Million
- ☐ STP Capacity : 90 MLD
- ☐ Sewer Line : approx. 141Km
- ☐ FSM Activities
- ☐ Feasibility Study needed
- ☐ Land Cost for STP Site included
- ☐ STP Capacity : 90 MLD
- ☐ Sewer Network : 141 Km (apprx.)
- ☐ Source of Funding : **Not Yet Identified**
- ☐ **PDPP has been sent to ERD**

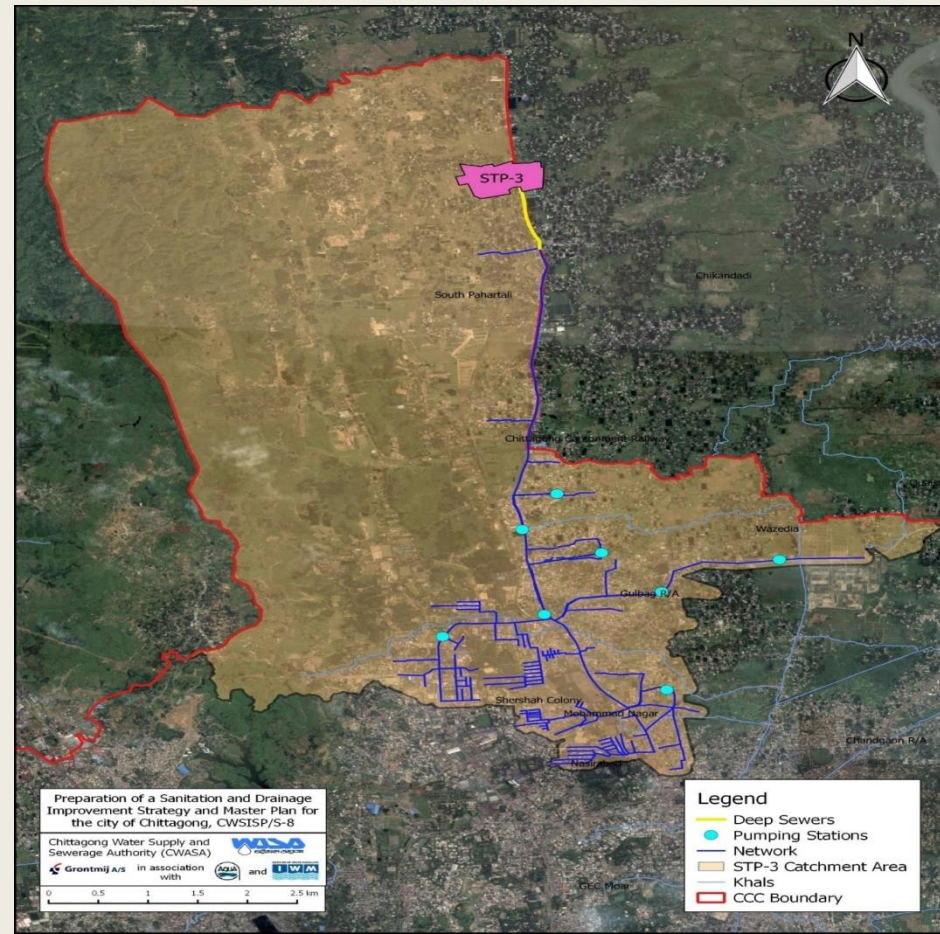




# Future Investment Planning (Contd....)

## Chattogram Metropolitan Sewerage Project for Fateabad Catchment

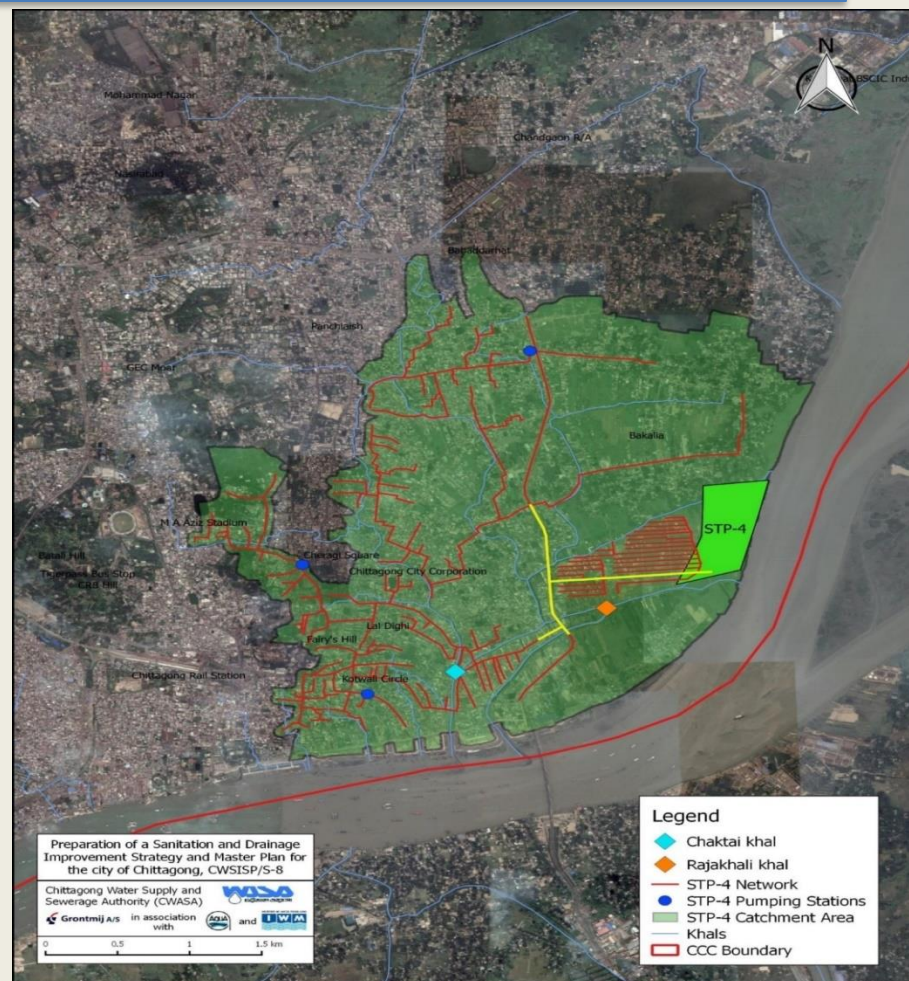
- ❑ **Project Cost : \$205 M**  
PA-\$147M  
GOB - \$58M
- ❑ **Population : 0.41 Million**
- ❑ **STP Capacity : 60 MLD**
- ❑ **Sewer Network : approx. 72 Km**
- ❑ **FSM Activities**
- ❑ **Feasibility Study needed**
- ❑ **Land Cost for STP Site ( 75ha)**  
excluded as CWASA owned land is available
- ❑ **STP Capacity : 60 MLD**
- ❑ **Source of Funding : Not Yet Confirmed. Discussion started with the World Bank**
- ❑ **PDPP has been sent to ERD**



# Future Investment Planning(Contd...)

## Chattogram Metropolitan Sewerage Project for East Bakalia Catchment

- ❑ **Project Cost : \$628M**  
PA- \$187M  
GOB- \$ 448M
- ❑ **Population : 1.3 Million**
- ❑ **STP Capacity : 80 MLD**
- ❑ **Sewer Line : approx. 82 Km**
- ❑ **FSM Activities**
- ❑ **Feasibility Study needed**
- ❑ **Land Cost for STP Site included**
- ❑ **Source of Funding : Not Yet Identified**
- ❑ **PDPP has been sent to ERD**

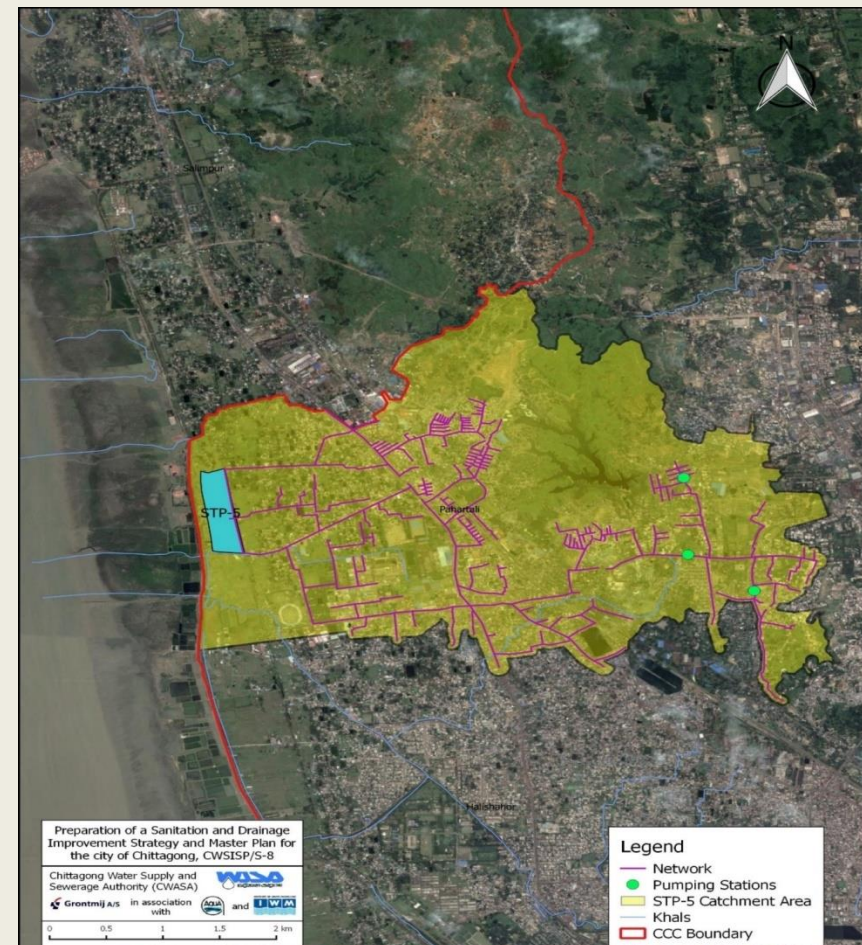




# Future Investment Planning ( Contd...)

## Chattogram Metropolitan Sewerage Project for North kattoli Catchment

- ❑ **Project Cost : \$170M**
  - PA- \$110 M
  - GOB - \$60M
- ❑ **Population: 0.85 Million**
- ❑ **STP : 60 MLD**
- ❑ **Sewer Line : approx. 67 Km**
- ❑ **FSM Activities**
- ❑ **Feasibility Study needed**
- ❑ **Land Cost for STP Site ( 66ha) excluded as CWASA owned land is available**
- ❑ **Source of Funding : Not Yet Identified**
- ❑ **PDPP has been sent to ERD**

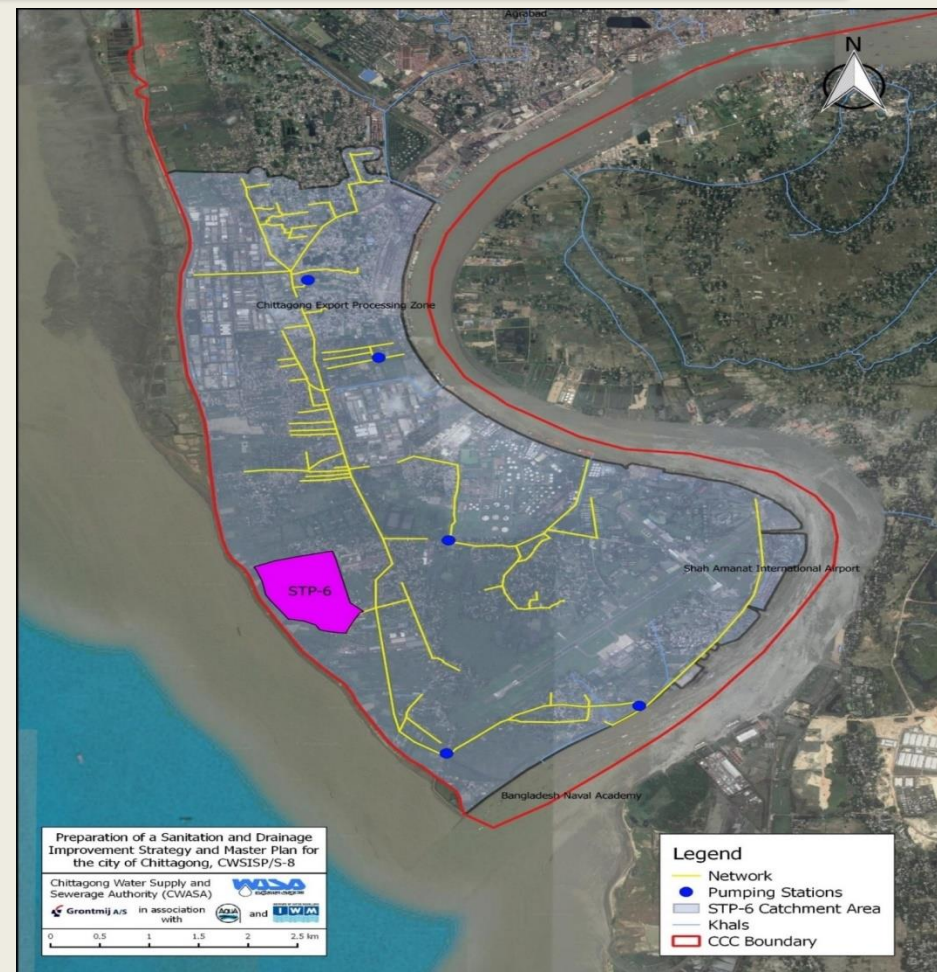




# Future Investment Planning (Contd...)

## Chattogram Metropolitan Sewerage Project for Patenga Catchment

- ❑ **Project Cost : \$215 M**
  - PA- \$155 M
  - GOB - \$60M
- ❑ **Population: 1.15 Million**
- ❑ **STP Capacity : 100 MLD**
- ❑ **Sewer Network : approx. 72 Km**
- ❑ **FSM Activities**
- ❑ **Feasibility Study needed**
- ❑ **Land Cost for STP Site ( 66ha) excluded as CWASA owned land is available**
- ❑ **Source of Funding : Not Yet Identified**
- ❑ **PDPP has been sent to ERD**



# **1. Technical Assistance for Utility Modernization Umbrella Consultancy funded by the World Bank Completed in 2019**

**The following Tasks are completed under this Consultancy  
Services :**

- Review CWASA's organogram and make recommendation for improvement.
- Review, identify and evaluate options for a decentralization zonal management model for CWASA
- Develop standard operating procedures, O&M manuals and a maintenance management program for facilities and equipment and train in their use.

**1. Technical Assistance for Utility Modernization Umbrella Consultancy  
funded by the World Bank  
Completed in 2019 (Contd.....)**

- Develop a commercial management plan.
- Develop a management information systems plan.
- Develop and implement a staff training and development program.
- Conduct an energy audit and prepare an energy management plan.
- Develop a customer services improvement plan and public education program .



**1. Technical Assistance for Utility Modernization Umbrella Consultancy funded  
by the World Bank  
Completed in 2019 (Contd.....)**

- Expert advice and assistance in respect to implementation of CWASA's strategic plan.
- Review the utility maturity scorecard for CWASA, confirm base-line and develop mechanisms for periodic review and monitoring of CWASA's capacity development .
- Prepare CWASA for ISO 9001 certification.

## **2. Technical Assistance for Water Network Analysis and Optimization of City Water Supply System funded by the World Bank Completed in 2017**

**The following activities are completed in this Consultancy Service:**

- Verified of CWASA's Existing Network Maps
- Prepared GIS Data base Structure for CWASA
- Assessed the Commercial loss contributed in NRW
- Monitored Pressures and Flows in CWASA Pipe Line Network
- Developed a hydraulic Model of CWASA Network
- Divided the Network into Permanent Sector and Completed Conceptual DMA Design .

### **3. Technical Assistance for Project for Advancing Non Revenue Water Reduction Initiative funded by JICA**

**Completed in 2014**

- Prepared Customer GIS Data base for 36000 nos. Connections
- Procured Leak Detection Equipment
- Training to CWASA Counterparts on Customer Survey, GIS Mapping and Lead detection methods