

SRI LANKA



CENTRAL ENGINEERING CONSULTANCY BUREAU

WATER SUPPLY AND DRAINAGE UNIT



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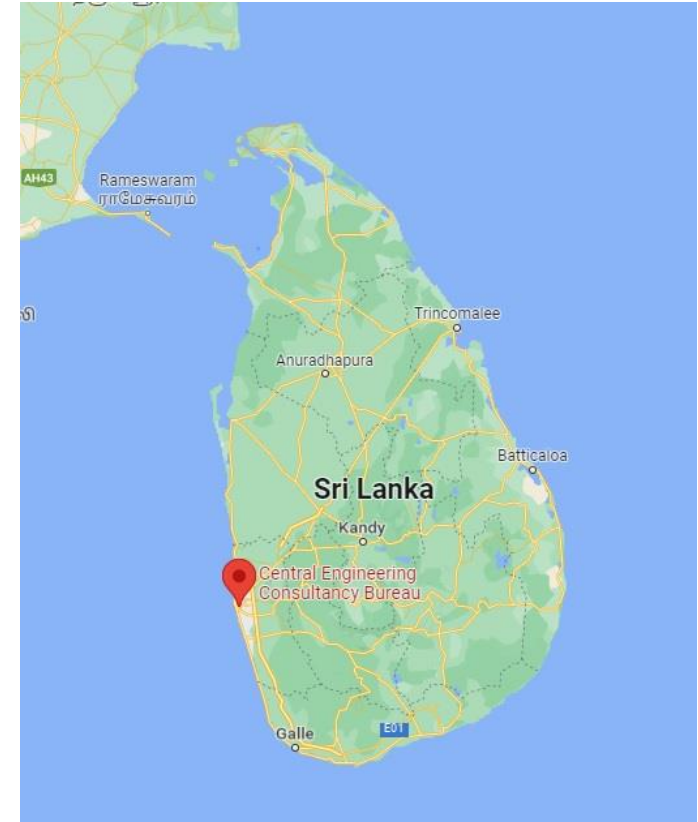
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GENERAL INFORMATION OF CECB

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VISION AND MISSION

Vision

“To be a world class Engineering Organization”

Mission

“To be a world class Sri Lankan Engineering organization, acquiring excellence in Engineering, Architecture and Quantity Surveying utilizing state of the art technology, with a highly motivated, trained and skilled workforce rewarded appropriately for their contribution in the optimum use of resources for the maximum benefit to mankind”

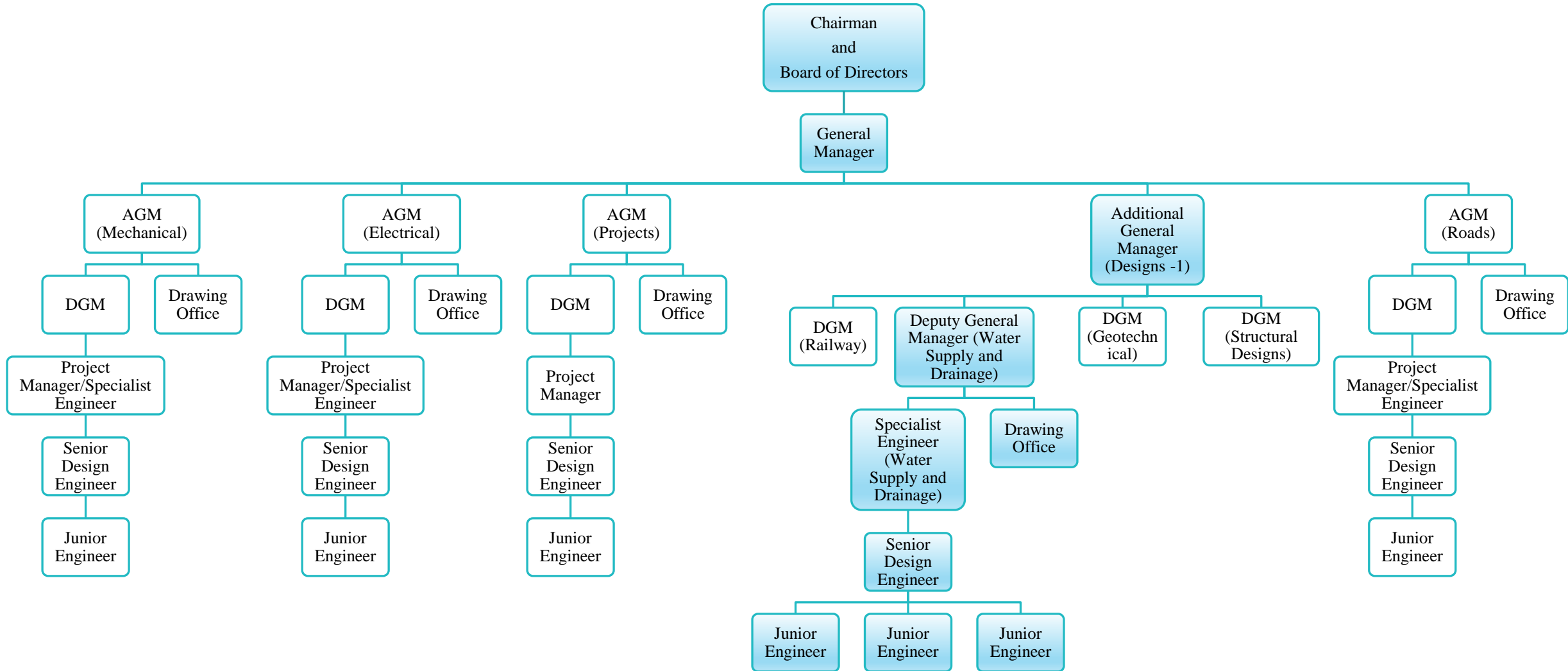


OUR EXPERTISE

- Structural Engineering
- Architectural Designs
- Mechanical, Electrical and ICT
- **Water Supply and Drainage**
- Water Resource Planning
- Laboratory Services, EIA and Feasibility Studies
- Project Management
- Ports and Coastal
- Geotechnical and Foundation



ORGANIZATION CHART OF CECB



WHAT ARE WATER SUPPLY AND DRAINAGE TEAM SPECIALIZED FOR?

Providing **Consultancy services** for;

- Building plumbing (Water supply & distribution, sewage disposal, rain water harvesting & disposal)
- Water distribution networks (urban and rural)
- Elevated storage tanks and ground sumps (for potable water & fire)
- Sewage and wastewater treatment plants (Aerobic, Anaerobic and hybrid processes)
- Storm water drainage and disposal systems
- Rainwater harvesting systems
- Swimming pools; Standard competition and Training pools
- Playgrounds; Standard athletic and Team games grounds
- Waterproofing systems; in new constructions and refurbishments
- Refurbishment of plumbing works
- Forced disposal and water pumping systems
- Irrigation systems, recreational and beatification water needs
- Solid waste management systems
- Urban drainage systems
- Technical auditing of plumbing system (both new & old)
- Assists obtaining LEEDS and Green Building Certification

CONSULTANCY SERVICES IN WATER AND WASTEWATER TREATMENT ON-GOING PROJECTS

- Defence headquarters complex project, Colombo
- Port city infrastructure development project, Colombo
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- Sugathadasa Stadium Swimming pool renovation project at Colombo
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DEFENCE HEADQUARTERS COMPLEX PROJECT, COLOMBO

- Internal plumbing systems of wet areas and cafeteria
- Rain water harvesting and filtering system
- External sewage disposal system up to Sewage Treatment plant
- External city water supply system from sump to overhead tanks through forced pumping system
- Storm water drainage system
- Ground water drainage system
- Landscape irrigation system
- PVC waterproofing system in podium roof slab
- 1500 m³ capacity Underground sump and Pump house



Project Name	: Defence Headquarters Complex project
Location	: Akuregoda Road, Pelawatta, Battaramulla
Client	: Ministry of Defence, Sri Lanka
Estimated project cost	: 60 billion rupees (163 million USD – Nov. 2022)
Duration of the project	: 2012 to Present

PORT CITY INFRASTRUCTURE DEVELOPMENT PROJECT, COLOMBO



- Design review of potable and irrigation water supply utility networks including storage facilities, pumping stations and distribution network, sewage and wastewater drainage utility networks, sewage and wastewater pumping stations, storm water drainage and disposal network
- Review technical specification and technical schedules for material selection including pump characteristics

<i>Project Name</i>	: Port City Infrastructure Development Project, Colombo
<i>Location</i>	: Colombo, Sri Lanka
<i>Client</i>	: Ministry of Urban development and housing and CHEC Port City Colombo (Private) Limited joint employers
<i>Estimated Project Cost</i>	: 14.6 billion USD – Nov. 2022
<i>Contractor</i>	: China Harbour Engineering Company

UPGRADING OF DIKING AND OIL RECOVERY SYSTEM IN TANK FARM AT KOLONNAWA



The premises consist of 45 no. of petroleum oil storage tanks scattered over 120 acres including filling facilities. Existing oil recovery systems are constructed not up to the standards and oil recovery of the same has shown inadequate according to the latest test reports. Therefore, oil recovery systems have to be upgraded by introducing proper oil water separators according to available standards, separation of various types of liquid waste and seal probable leakages from piping and tank farms in order to conform to permissible levels proclaimed by the Central Environmental Authority of Sri Lanka.

SUGATHADASA STADIUM SWIMMING POOL RENOVATION PROJECT AT COLOMBO

Water supply and drainage unit of CECB undertakes design and renovation of swimming pools according to FINA standards, rewarding complete satisfaction of the employers. Design includes the swimming pools' water treatment facilities, reticulation system for water circulation, pool pumps, filters, back washing piping, valves, overflow drains and balancing tanks for standard competition pools, training pools as well as leisure pools in accordance with International standards and guidelines. In addition renovation projects are undertaken.



WASTEWATER TREATMENT PLANT PROJECT FOR RAJARATA UNIVERSITY OF SRI LANKA



Hostel premises of Rajarata University consists of more than 6000 heads including both male and female students. Proposed sewage and wastewater treatment plant was designed to cater a daily wastewater load of 750 m³ and treated water will be discharged to the adjacent canal in order to conform to permissible levels proclaimed by the Central Environmental Authority of Sri Lanka. Main treatment process is biological including both anaerobic and aerobic systems. Pressure sand filters and carbon filters were introduced at the latter part in order to polish up water quality.

OPPORTUNITIES FOR JAPANESE COMPANIES

To provide information on material, equipment/machinery for;

- Wastewater treatment plants/systems
- Water treatment plants/systems
- Piping material
- Water quality improvement equipment
- Water quality measurement equipment
- Functional material (filters, ion exchange membranes....)
- Chemicals (oil separation agents, cleaning....)

THANK YOU
