The New Central Block of the Port of Spain General Hospital

The Government of the Republic of Trinidad and Tobago (GORTT) through the Ministry of Health (MOH) continues to improve the delivery of healthcare services in Trinidad and Tobago.

The healthcare strategy is based on an integrated hospital sector delivery model, where basic primary and secondary care services would be brought within the reach of communities and specialist services would be provided in larger facilities, such as the San Fernando General Hospital, the **Port of Spain General Hospital** and the Eric Williams Medical Sciences Complex (EWMSC), which would serve as Centres of Excellence.

Re-Development of the Central Block in the Port of Spain General Hospital (POSGH) is part of the improvement of the delivery of health care services in Trinidad and Tobago, providing a more functional, safe and efficient POSGH.

The New Central Block at the Port of Spain General Hospital will function and be integrated within the existing Hospital Campus in providing comprehensive healthcare services Administered by North West Regional Health Authority (NWRHA) on behalf of the Ministry of Health.

The Hospital will be designed and constructed in accordance with accepted international best practices and standards with regard to space requirements, functionality and maintenance of ambient conditions.

The New Central Block of the Port of Spain General Hospital will have a Bed Capacity - 540 inpatient beds comprising the following:

Services	Existing Central Block	New Central Block
ICU – Adult Intensive Care Unit	9	10
HDU – Adult High Dependency Unit	10	10
CCU – Coronary Care Unit	-	10
PICU – Pediatric Intensive Care Unit	-	2
PHDU – Pediatric High Dependency Unit	-	4
Internal Medicine – Adult	157	180
Hematology – Adult	-	6
Psychiatry	-	30
General Surgery – Adult	98	98

Neuro Surgery – Adult	27	26
Orthopedics – Adult	47	42
Services	Existing Central Block	New Central Block
Urology	25	20
Ophthalmology	-	18
ENT / Max Fax	-	18
Plastics	-	6
Internal Medicine – Pediatric	-	40
General Surgery – Pediatric	-	20
Total Number of Beds	373	540
Pharmacy – Inpatient and Outpatient	-	Yes
Laboratory Services	-	Yes
Radiology Suite – MRI, CT, X- Ray etc.…	-	Yes
Hematology and Oncology	-	Yes

The Project is being designed and constructed in accordance with the following Engineering Codes and Design Standards:

Architecture

IBC 2009 - International Building Code (global)

NFPA 101 - National Fire Protection Association – Life Safety Code (USA)

AIA/FGI – American Institute of Architects/Facilities Guidelines Institute 2014

Structure

IBC 2009 - International Building Code (global)

ASCE 7-10 - Minimum Design Loads for Buildings and Other Structures

ACI 318-05 - Building Code Requirements for Structural Concrete

AISC 360-05 - Specification for Structural Steel Buildings

General

OSHA Occupational Safety & Health Act 2004, amended 2006

Mechanical & Electrical

National Plumbing Code of Trinidad and Tobago

TTS 171 Part 1: 2002 incl. amendment 1 (2007) – Low Voltage Installation

TTS 171 Part 2: 2002 – High Voltage Installation

ASME A17.1 – Safety Code for Elevators and Escalators

NFPA 70 – National Electrical Code

NFPA 101 – Life Safety Code

ASHRAE – American Society of Heating, Refrigeration & Air Conditioning Engineers

No.	Negative Impacts	Mitigation Measures
1.	Traffic Congestion due to Heavy Equipment	• Use of Traffic Wardens & Road Signs • Limited access for heavy equipment during peak hours • Separate pedestrian and vehicular access • Entrance and Egress to remain clean and clear at all times
2.	Construction Noise	• Use of low noise technology and equipment • Limited hours for activities that generate noise
3.	Construction Dust	• Install dust screen • Wet Site • Designate a wheel washing area • Ensure all vehicles carrying waste are covered • Clean and wash roads
4.	Flooding around the Site	• Provide adequate site drainage infrastructure • Provide silt trap prior to discharge from construction site

	Negative Impacts	Mitigation Measures
5.	Site Safety	• Comply with Occupational Safety and Health Act (OSHA) 2006. • Comply with EMA's conditions related to the CEC. • Employment of suitably qualified and experienced Health and Safety Personnel. • Proper background check and drug testing of workers, medical testing, fit for work, HSE Orientation, proper safety gear, and training where applicable etc. • Full monitoring by Safety Officers, Job Safety Analysis (JSA), random drug testing. • Ensure that proper signage is displayed throughout the site.
6.	Water Bourne Pollutants	• Control fuel spills • Silt traps prior to drainage discharge from site

No	Negative Impacts	Mitigation Measures
1	Air Quality	• Use of materials with low Volatile Organic Compounds • Provide isolation rooms with negative pressure • Use of HEPA filters for air handlers • Monitor air quality regularly
2	Noise	• Use low noise technology and equipment • Place loud equipment a safe distance from persons • Ensure rooms has appropriate sound insulation
3	Treatment and Disposal of Wastewater	• Pre-treat of wastewater from specific departments before it enters the public sewerage system • Monitor pre-treated wastewater quality
4	Control of storm water runoff	• Provide adequate drainage infrastructure
5	Collection, storage and disposal of medical waste	• Waste will be collected, sorted and classified for recycling, incineration and/or treatment or disposal as appropriate
6	Water Bourne Pollutants	• Control all chemical and fuel spills • Provide silt control mechanism if required
7	Traffic Management	• Revised traffic circulation plan in and around the Port of Spain General Hospital Campus to be developed

Jobs Available On Completion of Hospital:

- Doctor of Medicine
- Pediatricians
- Cardiologists
- Oncologists
- Surgeons
- Anaesthetists
- Urologists
- Radiologists
- Ophthalmologists
- Radiographers I & II
- Sonographers
- Pharmacists
- Pharmacy Attendants
- Registered Dietitians
- Registered Nurses
- Medical Laboratory Technicians
- Phlebotomists
- Medical Records Officers
- Registrars
- Hospital Attendants
- Quality Coordinators
- Medical Social Workers

Support Staff:

- Biomedical Engineers
- Biomedical Technicians
- Electrical Technicians
- Mechanical Technicians
- Air Conditioning Technicians
- Plumbers
- Health and Safety Officers

Other Services:

- Janitorial
- Security
- Biohazard Waste Disposal
- Municipal Waste Disposal

Project Timeline – Construction Completion and Commissioning
March 2019 to July 2021