



PC-1

Balance Work of Revamping of DHQ Hospital Pakpattan

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|-----------------------------|-------------------------------------|
| ORIGINAL APPROVED COST | PKR Million. 177.579/- |
| ORIGINAL APPROVED GESTATION | 43 Months Till June 2025 |
| APPROVAL FORUM | DDSC (DDSC) |

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Pakpattan

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. PAKPATTAN

2.2. TEHSIL(S)

I. PAKPATTAN

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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|---|---------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 3 | AUTHORITIES RESPONSIBLE 3.1 Sponsoring | Government of the Punjab, Primary and Secondary Healthcare Department |
| | 3.2 Execution | PMU for Revamping Program of Primary and Secondary Healthcare Department and C&W Department |
| | 3.3 Operation & Maintenance | PMU for Revamping Program of Primary and Secondary Healthcare Department and District Government |
| | 3.4 Concerned Federal Ministry | Ministry of National Health Services, Regulation and Coordination Pakistan |

4. PLAN PROVISION

| Sr # | Description |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Source of Funding: Scheme Listed in ADP CFY |
| 2 | Proposed Allocation: 0.000 |
| 3 | GS No: 5358 |
| 4 | Total Allocation: 0.000 |
| 5 | Funds Diverted: 0.000 |
| 6 | Balance Funds: 0.000 |
| 7 | Comments: The scheme will be financed out of block scheme included in ADP 2022-23 at G.S. No. 660 with an allocation of Rs.1300 million |

5. PROJECT OBJECTIVES

attached

. Project objectives and its relationship with Sectorial Objectives and Components

The Government of Punjab is making strenuous efforts for a better and effective Health Care system. The Defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. As a first step towards better health care at primary and secondary level, the department under the guidance of P&SHD had decided to launch massive revamping of 40 THQ & DHQ Hospitals in the current financial year 206-17. Program was launched to provide timely quality health care through skillful application of medical technology in a culturally sensitive manner within the available resource constraints. Eliminating poor quality involves not only giving better care but also eliminating under provision of essential clinical services, stopping overuse of some care and ending misuse of unneeded services. A sadly unique feature of quality is that poor quality can obviate all the implied benefits of good access and effective treatment. At its best, poor quality is wasteful and at its worst, it causes actual harm. Keeping in view this basic essence of Primary and Secondary Healthcare, Government of the Punjab is dedicated in making strenuous efforts for ensuring a better and effective Health Care system in the hospitals.

The basic mandate of Primary & Secondary Health Department is to focus on preventive health care in primary sector along with basic diagnostics and treatment facilities at secondary level. The context is to primarily lessen the load on tertiary care health establishments and to reduce treatment costs. The major challenge for Primary & Secondary Health Department is to boost the confidence of masses and raise the level of trust in the primary health care system. The reality is that most of the health care establishments at secondary level are not currently providing health care services up to the optimal level, owing to a myriad of reasons including heavy patient load, scarcity of resources, human resource constraints and dysfunctional biomedical and allied equipment.

The defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. In order to address the dilapidated condition of hospital infrastructure, scope of work, based on the followings was chalked out:

- Addition of human resource
- Rehabilitation and improvement of infrastructure
- Supply of missing biomedical and non-biomedical equipment;
- Introduction of IT-based solutions
- Outsourcing of allied services
- Standardization of hospital protocols.

5.1. Brief Description / Background

The District Head Quarters (DHQ) Hospitals are located at District headquarters level and serve a population of 1 to 3 million, depending upon the category of the hospital. The DHQ hospital provides promotive, preventive and curative care, advance diagnostics, inpatient services, advance specialist and referral services. DHQs provides referral care to the patients including those referred by the Basic Health Units, Rural Health Centers, Tehsil Head Quarter hospitals along with Lady Health Workers and other primary and secondary care facilities.

Similarly, Tehsil Head Quarter Hospitals are located at each Tehsil Headquarter and serve a population of 0.5 to 1.0 million. At present, the majority of THQ hospitals have 40 to 60 beds. The THQ hospital provides promotive, preventive and curative care, diagnostics, inpatients, referral services and also specialist care. THQ hospitals are also supposed to provide basic and comprehensive Emergency Obstetric and Newborn Care. THQ hospital provides referral care to patients, including those referred by the Rural Health Centers, Basic Health Units, Lady Health Workers and other primary care facilities.

Keeping in view the importance of primary and secondary health care, the department has decided to launch massive revamping of 40 DHQ & THQ Hospitals in the current financial year (25 DHQ's and 15 THQ's). In addition to this, as a part of special instructions, the department has also taken improvement of emergencies in 15 DHQ & THQ Hospitals.

Infrastructure improvement portfolio was undertaken in all DHQ & 15 THQ Hospitals through Infrastructure Development Authority Punjab (IDAP) with the following details:

(A) Repair/Renovation of Clinical Covered Area - Establishment / Up-gradation of Missing Facilities (Emergency, ICU, CCU, Burn Unit, Dialysis Unit, Physiotherapy, Dental Unit, CT Scan, Mortuary and Yellow Room) Complete Renovation of Existing internal infrastructure (Wards, OPD Rooms, Corridors, Operation Theaters and Diagnostic blocks) with state-of-the-art clinical friendly materials

B) External Development - Façade, External Pathways, Platforms, Sewerage and Water Supply System

C) External Electrification

- Dedicated Power Lines (Dual Supply and Express Lines)
- External wiring

(D) Establishment / Up-gradation of Missing Health Facilities:

- Emergency
- CT Scan
- Dialysis
- ICU
- CCU
- Physiotherapy
- Mortuary
- Dental Unit

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of DHQ and THQ Hospitals, the placement of various facilities of hospitals are re planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Details of revamping in DHQ is given below:

| | |
|-------------------------------------------|--------------|
| Total area of the DHQ Hospital Pakpattan: | 94,813 SFT |
| Area completed : | 18,478 SFT |
| Remaining Area: | 66,849 SFT |
| External Development and Electrification: | Not Executed |

Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 26-10-2020.

Accordingly, on the basis of RCE of IDAP and de-scope civil work received 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

Now it has been decided to complete the balance civil work of revamping through C&W Department. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of instant PC-I.

5.2 Infrastructural Interventions

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of DHQ and THQ Hospitals, the placement of various facilities of hospitals are re planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

In order to improve the communication between blocks, necessary interventions are taken to improve the existing metaled road network. Moreover, new internal metaled road is proposed to access the blocks of hospital.

5.3.1.2 Façade Improvement

In order to improve the aesthetics of hospital, façade uplift has been proposed in order to give the feel of modern architectural era.

5.3.1.3 Sewerage System

These interventions include the re designing of sewerage system, construction of new manholes, laying of new sewer lines and connection between trunk sewer and hospital sewer.

5.3.1.4 External Electrification

One of the major hindrances in functionality and ineffectiveness of electro medical equipment and other facilitating electrical appliances is either interrupted power supply or power supply with lesser voltage than required. This problem was solved by providing express line or dual electrical supply in all hospitals under revamping. Despite these two facilities based, on the current and proposed electrical load of hospital new transformers were proposed to step down the voltage to desired level and complete generator backup system was designed and generators along with automatic transfer switches were proposed accordingly. Moreover, to fully lighten up the hospital for proper utilization of all facilities of hospital during the low/no-light hours of the day, external pole lights to lighten up the pathways and garden lights to lighten up the lawns were designed and proposed.

5.3.2.1 Ramp and Stretcher improvement

For hospitals having more than one floor, there is a huge problem of patient transfer with stretcher. This problem is solved by proposing new ramps/stretchers where needed. Moreover, in order to further improve the communication between various floors of hospitals improvement of stair cases with hand rail or guard rails is proposed.

5.3.2.2 Seamless flooring and Lead Lining

To keep high risk areas like Operation theaters, I.C.U, C.C.U, Burn Unit and Gynecology Operation Theater bacteria free is one of the basic medical practices. In the revamping program of hospitals low epoxy paint is proposed in these areas to provide seamless flooring so that the bacterial growth within the grooves can be prevented. Moreover, to make the C.T. Scan room and X-Ray rooms radio-resistant and to keep the patients away from the harm of rays, interventions are taken in X-ray rooms and C.T. Scan regarding provision of lead lining in walls, ceiling and floor.

Interventions were taken regarding hazardous radiation emitting areas to make them radio-resistant in order to keep patients/attendants away from harmful radiations. These interventions were in the form of provision of lead lining in ceiling, walls and roofs of C.T. Scan and X-Ray rooms.

5.3.2.3 Aluminum doors and windows

In order to make sound and heat proof the doors and windows of wards, corridors and major health facilities are proposed as aluminum doors and windows. Which despite of above benefits are also aesthetically pleasing. Corridor wire mesh windows and rolling blinds for windows are proposed in order to invite or stop the day light within the wards according to the requirement. Moreover, existing wooden doors having shabby and dirty look are proposed to be re-polished and washroom doors are proposed to be replaced with PVC doors to make them resistant against water.

5.3.2.4 Improvement of washroom blocks

The area of hospital which can be dirty at most is its washroom or toilet blocks. To improve the cleanliness of hospital the special interventions were taken regarding the renovation of toilet block of hospital. This renovation includes the re tiling of existing damaged flooring and skirting and addition of water closets etc.

5.3.2.5 Fire and theft security

The security of hospital against fire and theft is another patient beneficial initiative in the revamping program. The provision of different types of fire extinguishers and installation of different types of CCTV cameras is also proposed in this program. The fire extinguishers are planned to place at those positions in the building where the fire event is most likely to occur and CCTV cameras are designed to install at those location where monitoring is essential from security point of view. These points also include the external areas of hospital like main gates etc.

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

To cope with the emergency condition of clinically serious patient, oxygen supply system is designed by proposing an individual oxygen supply system for each major health facility. This oxygen supply network comprises on copper pipe line, flow meter with bed head units, cylinders and setup and individual central oxygen supply system. The contract of filling of oxygen gas in cylinders is outsourced for uninterrupted oxygen gas supply to the patients.

For patient receiving, information, guidance, appointment or for any other task, separate reception counters are proposed in various blocks so that, all necessary information regarding the block is available on the counter round the

clock. In this way, utilization of clinical facilities will be optimized. For indoor patient department, complete facilitation and care of patients admitted in wards is ensured by proposal of nursing counter in each ward. This nursing counter will be placed or constructed in such a placement that each bed can be monitored by the nurse available.

In the revamping program, following clinical facilities are being introduced in the DHQ Hospital:

I.C.U, C.C.U, Burn Unit, Dialysis Unit, C.T. Scan, Dental Unit, Physiotherapy Unit and Prisoners ward

The design regarding architectural planning of above mentioned facilities are designed according to the patient facilities and architectural planning standards. These designed facilities are then designed in the existing building structure according to the patient flow and sensitivity of facility.

5.3.3.1 ICU

District Headquarter Hospitals (DHQ) serve catchment populations of the whole districts (1-2 million) and provide a range of specialist care in addition to basic outpatient and inpatient services. They typically have about 100 to 300 beds and a broad range of specialized services including surgery, medicine, paediatrics, obstetrics, gynaecology, ENT, ophthalmology, orthopaedics, urology, neurosurgery etc. Patient who are in need of intensive care are usually referred to tertiary care hospital but due to long distance they had to travel and time consumed on road due to heavy traffic and other unavoidable circumstance, patient's condition not only deteriorate but also compromise the effectiveness of life saving intervention. Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish intensive care units (ICU) in DHQ hospitals as a part of its Annual Development Plan. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients.

Primary and Secondary Healthcare Revamping programme (PSHRP) is the initiative by the Chief Minister of Punjab to strengthen the healthcare delivery system in the province Acquisition of licenses for all DHQ and THQ Hospital by developing and implementing uniform set of standard Operating procedures (SOPs) & standard medical protocol (SMP) for compliance to MSDS of PHC is planned as a part of PSHRP.

An **intensive care unit (ICU)** is a special department of a hospital or health care facility that provides intensive treatment medicine. Intensive care units cater to patients with severe and life-threatening illnesses and injuries, which require constant, close monitoring and support from specialized equipment and medications in order to ensure normal bodily functions. Intensive care units are staffed by highly trained doctors and nurses who specialize in caring for critically ill patients. They are also distinguished from normal hospital wards by a higher staff-to-patient ratio and access to advanced medical resources and equipment that are not routinely available elsewhere. Common conditions that are treated within ICUs include ARDS, trauma, multiple organ failure and sepsis. Patients may be transferred directly to an intensive care unit from an emergency department if required, or from a ward if they rapidly deteriorate, or immediately after surgery if the surgery is very invasive and the patient is at high risk of complications.

5.3.3.2 CCU

Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish coronary care units (CCU) in DHQ hospitals as a part of its Revamping Program. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients. A coronary care unit (CCU) is a special department of a hospital or health care facility that provide coronary care to patients. Coronary care units cater to patients with severe and life-threatening cardiac illnesses and which require constant, close monitoring and support from specialized equipment and medications in order to ensure normal bodily functions.

Coronary care units are staffed by highly trained doctors and nurses who specialize in caring for cardiac patients. They are also distinguished from normal hospital wards by a higher staff-to-patient ratio and access to advanced medical resources and equipment that are not routinely available elsewhere. Common conditions that are treated within CCUs including angina, Myocardial infection, cardiac arrhythmia, cardiac shock etc. Patients may be transferred directly to coronary care unit from an emergency department or from a ward if they rapidly deteriorate, and immediately require cardiac care treatment.

5.3.3.3 DIALYSIS UNIT

Chronic kidney disease is now a significant public health problem worldwide. Chronic kidney disease globally affects almost 10 % of general population with Incidence in prevalence of disease are still rising especially in developing countries. The rise in chronic kidney disease is by aging of the populations and growing problems of obesity, diabetes, high blood pressure and cardiovascular diseases.

District Headquarter Hospitals (DHQ) & Tehsil head Quarter Hospital (THQ) serve large catchment populations of the district and provide a range of specialist care in addition to basic outpatient and inpatient services. Patient who are in need of dialysis, are referred to tertiary care hospital due to non-availability or insufficient number of dialysis machines. Patient's condition not only deteriorate but also compromise the effectiveness of life saving intervention due to approaching to other cities or to costly private setups of dialysis. Primary and Secondary Healthcare Department has decided to establish & strengthening already existing 10 bedded dialysis at DHQ hospitals & 5 bedded dialysis unit at THQ hospitals. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients.

Dialysis unit is a special department of a hospital or health care facility that provides a lifesaving support to patients with chronic renal disease along with pre-existing diseases like diabetes, hypertension, ischemic heart disease to ensure normal bodily functions. Dialysis units are staffed by highly trained doctors, dialysis technicians and dialysis nurses who have done specialized training in caring for such patients. Patients are usually admitted from out door and often from emergency and registered for their timing and schedule of dialysis because these patients are given regular appointments twice or thrice a week as per defined by nephrologist/physician.

5.3.3.4 BURN UNIT

To improve the quality of medical care rendered to burn patients, primary and secondary Healthcare Department has decided to establish burn units in DHQ hospital as a part of its Annual Development Plan. Effective management of Burn victims is a complicated and challenging intervention in a developing country like Pakistan. Absence of clinical standards, protocols, and guidelines for care of burn patients in health facilities is an important constraint. Primary and Secondary Healthcare Revamping programme (PSHRP) is the initiative by the Chief Minister of Punjab to improve the healthcare delivery system in the province Acquisition of licenses for all DHQ and THQ Hospital by developing and implementing uniform set

of standard Operating procedures (SOPs) & standard medical protocol (SMP) for compliance to MSDS of PHC is planned as a part of PSHRP.

Burns are among the most common types of trauma occurring in any society. Most burns are relatively small and consequently not life threatening, but large burns, even partial thickness ones, still pose a major threat when not treated properly. Even smaller burns may cause major morbidity, because the injury is very painful and may lead to disfiguring scar formatting, primarily hypertrophic scarring. The 4 bedded Burn Units will treat children and adults with thermal burns, chemical burns, electrical burns etc.

Primary and secondary healthcare department focusing on optimal management of patient with up to 30% burns in newly developed burn units and desired to establish a proper referral system for patients who have more than 30% burns. Primary and secondary healthcare department has directed its efforts towards development of an organized system for total care of the burn patient including development of medical protocol, training & retaining the qualified medical/nursing staff and coordination with specialized health & Medical education department.

5.4.1 EMERGENCY DAPARTMENT:

All THQS and DHQs are already providing emergency services to critical ill patients. As for as the existing sources including human resources & equipment are not sufficient to fulfill the requirement. Primary and secondary healthcare department is going to take the initiative to improve emergencies of hospitals by providing new equipment and human resource in form of recruitment of doctors, nurses and paramedical staff along with Infrastructure of Causality Department. Ultimate goal of revamping of emergencies is to enhance the quality of medical services to critical ill patient in golden hour to decrease the mortality and morbidity rate in causality department of each hospital.

5.4.2 General Overview of Emergency Department

In any hospital, the most important and critical area is its emergency block. Specially, if hospital is situated on a highway where there is a huge flux of rapidly moving traffic which can be a major source of causalities, if patient treatment is not proper. Besides road trauma cases, cardiac cases and burn cases etc. are also more likely to be initially treated in emergency. Proper first aid to patient reduces morbidity and mortality. The emergency department of hospital is a block where in time service delivery is so much essential that delay in proper treatment can cause lot of lives to suffer from serious diseases for rest of their life. In a nutshell, the

efficiency and in time service delivery of emergency block depicts the overall efficiency of the hospital.

In order to improve the emergency department and to ensure in time service delivery of the same, special initiatives are being taken in this regard. Infrastructure of emergency department depends a lot on its service delivery and efficiency. An emergency department with all necessary medical and general equipment and equipped with all essential medical facilities but without ineffective and poorly planned infrastructure will never fulfill its need. Conclusively, such infrastructural interventions are planned in this program so that the efficiency of emergency department can be optimized. Some of the following major interventions are listed below:

5.4.3 Position of Emergency Department

It is planned that new construction of building should be avoided at most because already existing blocks with no proper utilization are existing in all of the hospitals. The emergency block should be on such a location that the distance between that department and main entrance gate should be minimum with respect to other locations or positions of complex. To fulfill this purpose, that portion of this building block is selected for re planning of emergency department which is most near to the entrance gate:-

5.4.4 Addition of Portico and External Structures

The external structures like portico, ramp/stretchers way for entrance, podium and platform for wheel chairs are proposed in this program for facilitation of patients. Portico is a small structure constructed outside the covered area consisting of four or two columns carrying a slab or roof over it. This portico is constructed in this program outside the emergency department to provide a shade for the ambulance or any other vehicle carrying the patient. With presence of this portico, it will facilitate the patient to transfer it from ambulance to the department under a shade so that it provides resistance against the rain or other weathering effects.

Ramp/Stretcher way is an essential structure to be constructed outside the emergency department because almost all the patients coming towards the emergency block are on either wheel chairs or stretchers. It is impossible for a wheel chair or stretcher to cross the stairs in order to enter in the department. To cope up with this problem, ramp or stretchers way is proposed outside the emergency department to provide a smooth passage for the stretcher or wheel chair. Platform for wheel chairs is proposed in this program in order to provide a station for wheelchairs. The presence of this wheel chairs platform will ensure in time access to the wheel chairs when required. In order to give a feel of modern architecture and to uplift the existing shabby outlook of the department, interventions regarding façade improvement are taken in this program.

5.4.5 General Building Interventions:

In order to improve the over building condition of emergency blocks following major interventions are taken:

1. Provision of flooring and skirting
2. Painting on interior and exterior side of department
3. Provision of false ceiling
4. Replacement of damaged and renovation of existing wooden doors
5. Provision of aluminum doors and windows
6. Public health work regarding supply of water and gas along with improvement of sewerage system
7. Provision of LED panel lights, ceiling fans, exhaust and wall bracket fans
8. Improvement of existing wiring and distribution including replacement of damaged equipment and proposal of new equipment

5.5 Introduction of IT-based solutions

This includes implementation of IT-based solutions for improving services delivery standards to ensure better service delivery to general public/patients. In this regard, a dedicated Project Management Unit (PMU) established comprises ICT wing with the scope of revamping exercise include but not be limited to provision of IT equipment & IT solutions.

Currently, Queue Management System (QMS) integration with Hospital Information Management System (HIMS) project was under execution by PITB for Phase-I DHQ/THQ 40 hospitals.

Number of software application has been developed, deployed and implemented in hospitals by using the IT manpower in hospitals by PMU ICT team that includes but not limited to:

- Invoice Management System
- MEPG mobile application & web portal for outsourced services monitoring system.
- Janitorial mobile application & web portal
- Surgery Tracking Application & web portal
- Patient Feedback Application & web portal
- Stock Management /Consumable Application
- Equipment Management Portal
- Hospital Management Information System for Phase-II hospitals
- Patient Referral System Portal

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

During construction phase, “Construction Supervision” will be carried out by the Procuring Agency (Director Infrastructure) who will certify construction activity.

5.6.1 MSDS (Minimum Service Delivery Standards)

MSDS are minimum level of services, which the patients and service users have a right to expect. MSDS include minimum package of services, standards of care (level specific) and mandatory requirements/systems for delivery of effective health care services. The World Health Assembly in Alma-Atta in 1978 expressed the need of action to protect and promote the health for all the people of the world. Essential health is to be made universally accessible to individuals and families through their full participation and at a cost that the community and country can afford. MSDS is now being deemed to be of vital importance at THQ and DHQ level. The THQ hospital provides promotive, preventive, curative, diagnostics, in patients, referral services and also specialist care.

THQ hospitals are supposed to provide basic and comprehensive EmONC. THQ hospital provides referral care to the patients including those referred by the Rural Health Centers, Basic Health Units, Lady Health Workers and other primary care facilities. The District Head Quarters Hospital is located at District headquarters level and serves a population of 1 to 3 million, depending upon the category of the hospital. The DHQ hospital provides promotive, preventive, curative, advance diagnostics, inpatient services, advance specialist and referral services. All DHQ hospitals are supposed to provide basic and comprehensive EmONC. DHQH provides referral care to the patients including those referred by the Basic Health Units, Rural Health Centers, Tehsil Head Quarter hospitals along with Lady Health Workers and other primary care facilities. Services package and standards of care at SHC level are also not well defined. Deficient areas include: weak arrangements to deal with non-communicable diseases, mental, geriatric problems and specialized surgical care especially at THQ Hospitals. There is disproportionate emphasis on maternal and child health services at SHC facilities. Services-package being provided at PHC and SHC are also deficient in terms of Health care providers' obligations, patients' rights and obligations.

MSDS umbrella is very vast and it requires a very extensive and planned approach towards, gap analysis, planning, development, implementation, monitoring and evaluation. MSDS comprises of 10 thematic area, 30 standards and 162 indicators. Government of Punjab has taken an initiative to standardize all hospitals of Punjab in accordance with Punjab Health Care Commission Minimum service delivery standards. PMU team segregated MSDS indicators into various targets and sub-targets to make these targets achievable. Manuals for both clinical and non-clinical specialties are being prepared comprising of departmental organizational plan, criteria for essential human resource, essential equipment, general and specialized SOPs, departmental safety guidelines etc. Standardized

Medical Protocols (SMPs) are standard steps to be taken by a health facility during medical or surgical management of a patient. Standard Operating Procedure (SOPs) are detailed description of steps required in performing a task including specifications that must be complied with and are vital to ensure the delivery of these services .It requires literature review, departmental view, facility visits, consultative visits and development of action plan for implementation of MSDS. Effective MSDS implementation requires essential documentation. Documentation is a key for record keeping, monitoring and auditing. For this purpose, registers, forms, displays have to be designed with coding for effective tracking. In addition to this it also requires analysis from field from utilization point of view.

Displays constituting of public serving messages, health related information and general facility related guidelines. In order to monitor effective implementation, compliance monitoring is required to be carried out by field experts which is followed up by further planning to ensure continuous delivery of effective, accessible, continuous and quality services to masses in uninterrupted manner.

MSDS implementation is a complex procedure. Because it requires

1. Capacity building for understanding, development and continuous implementation of MSDS.
2. Ecosystem for establishing its implementation by full cooperation, collaboration, commitment of
3. Continuous monitoring
4. Continuous audit
5. Continuous training, refresher courses with purpose of reinforcement
6. Continuous quality improvement
7. Continuous SWOT analysis and gap identification
8. Continuous strategy making and implementation with backup plan for secondary options.
9. Responsibility designation for clinical and non-clinical procedures and activities.
10. Effective utilization, calibration and maintenance of equipment with record maintenance and their audit
11. Establishment of plans, implementation, analysis of gaps with alternate planning regarding fire evacuation plan, hospital infectional control plan, hospital operational and strategic plans, disaster plan both internal (partial / complete) and external.

The PDSA cycle

1. Developing a plan to test the change (Plan),
2. Carrying out the test (Do),
3. Observing and learning from the consequences (Study), and
4. Determining what modifications should be made to the test (Act).

5. Monitoring effective load sharing of Human resource and equipment within hospitals.
6. Addition of new HR/ rationalization on requirement of MSDS indicator compliance for effective departmental organization and their planned trainings by MPDD, UHS ETC
7. Standard optimization of Standard operating procedures and methods for their effective adoption by hospital human resource.
8. We have also extended our MSDS implementation in 20 more departments such as dentistry, ICU, ccu, Dialysis, mortuary, burn unit, physiotherapy, orthopedics, medicine, nursing, paedes, ophthalmology, derma, TB, urology, patient transfer system, store and purchase, audit and accounts, procurement, planning etc. We are also in process of preparing manuals, SOPS, plans, universal forms, and universal registers with universal tracking system of record.
9. We have developed an application for continuous monitoring of MSDS compliance.

Health managers are considered essential at both the strategic and operational levels of health systems. To gain an initial understanding of the management workforce for service deliver. Every health system desires managers who are competent and have the knowledge, skills and demeanor to be effective. The performance of health services managers will depend in part on how certain standard support systems function. Even good managers will have problems if procedures for running finances, staff, etc., are not working well. Functional systems should have clear rules and regulations, good guides and forms, effective monitoring and supervision and appropriate support staff, e.g. account staff, supplies and information staff and secretarial support A health manager is supposed to be competent in planning, budgeting, financial management systems , personnel management systems, including performance management , procurement and distribution systems for drugs and other commodities , information management and monitoring systems , systems for managing assets and other logistics, infrastructure and transport. Support systems help to ensure uniformity in management practices and ensure that management and administrative systems function and get results.

5.6.2 Supply of missing Biomedical and non-biomedical equipment

Procurement of Bio and non-biomedical equipment as per requirement of the hospital and available financial resources in all DHQ and 15 THQ Hospitals completed.

Impact of supply of missing Biomedical and non-biomedical equipment;

- With the addition of necessary biomedical equipment like CT Scan/X-Ray/Ultrasound and Color Doppler, Burn Unit equipment, ICU/CCU equipment, Ventilators, Medical Gas Pipeline System and Operation Theaters etc. hospital clinical staff and administration is able to provide better healthcare to the patients' way beyond the limits prior to revamping.
- Due to availability of this necessary biomedical equipment coupled with trained staff, the load on specialized healthcare hospitals has greatly reduced. The hustle and bustle of general public (especially rural) faced due to travelling towards far furlong specialized healthcare hospitals has reduced.
- Lifesaving biomedical equipment for instance Emergency Equipment, Operation theaters equipment has contributed in saving many lives due to availability of the said equipment and this contribution is still going on.
- Non availability of this equipment was enforcing the public for private and costly treatments, which was resulting into huge financial impact on public. The availability of these services at government rates has beneficial impact on public.
- The provision of non-biomedical equipment has facilitated the public, patients and staff largely e.g. Air Conditioners, Office Furniture, Benches, Ceiling fans and generators etc.
- The provision of non-biomedical equipment e.g. waste bin sets, bed sheets, blankets etc. has contributed towards overall hospital cleanliness which has reduced the disease hotspots of hospitals.

Biomedical Equipment Resource Center (BERC) has been working under PMU to record and maintain an updated elaborate and sophisticated asset inventory of biomedical equipment in DHQ and THQ Hospitals at provincial level, respond to repair calls by mobilizing the assigned repair personnel/vendors/firms and analyze the data to identify quality, repair track and life span (end-of-life) of equipment; quality of service of vendor/firm/party and quality of service of the service provider handling the equipment; and use the information to raise alerts in relevant departments for adequate action (procurement, condemnation, black-listing of vendor etc.)

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

OPD in DHQ has enormous patient load, due to the only big public sector serving hospital in Districts and Tehsils. At the moment the ticket system is prevailing but there is no mechanism to handle that ticket and assign number to the ticket and its being issued in manual format. This will also create dependency on the person issuing the ticket. After getting the tickets, patient will be provided with no guidance on where to go and when his term will come to meet the doctor and get the required service. This will create confusion and delayed service delivery. On the other hand it will waste lots of time on the end of doctor and patient as patient and doctor has no direct liaison with each other. Moreover, patient will again have to be dependent on some person to check that either doctor is free or any patient sitting in his facility. Here again, human intervention and dependency will come into play.

This project basically aims to remove all the human related dependency till the patient reach the doctors. Moreover, it also includes, recording basic information for a patient and guiding him to the doctors room from registration count to triage without any dependency on hospital staff. This will improve the transparency as per the vision of good governance and serve the patient in an efficient and transparent manner. This will also help the patient in estimating that time estimate till his term which will give him relief and more belief on the fair system. On the other hand doctor will always have an idea that how many patients will be in queue and give him direct liaison with the patient sitting outside.

The need of queue management system is evident in hospital from the fact of lack of proper mechanism of patient queue management at OPD's, human resource deficiency and non-functional equipment. The Implementation of Queue Management System will provide and streamline Patient Queue Management at OPD with Ticket Generation and Display of Numbers on the counters. This will help in maintaining the queue on First IN First OUT (FIFO) basis. The system will also provide the information counter to the general public to educate them in the use of queue management system and short description of the process. After implementation of this system, the incoming patient will be guided in a manner to get the service on his turn without any dependency or interference of an external resource. All will be handled in an automated way with patient are being served at their turn.

The system manages the patients load, organizes the patient's queues in an adequate manner and gives them the ease in waiting area; and they will be

examined gracefully by doctors at their turn. Basic information of the patient is also linked with its ticket, being taken at the first counter. This will help established a unique ID against each patient. This will also lead to the establishment of Electronic Medical Record. The Process flow of Queue Management System at DHQ is given as follows:

There are 35 counters at DHQ level including basic registration counter, triage counter, consultant office and hospital pharmacy. There is one ticketing machine with a bifurcation of male, female and old age person. The ticket will be issued to the relevant category accordingly. After receiving the ticket the said number will be blinked on male, female and old age counter. The person will move to that counter where he will be asked about his basic details which will be entered in the basic registration form software linked with QMS and that specific token / ticket number. He will also be asked about the disease and accordingly the relevant consultant / specialty area e.g. pediatrics, ophthalmology etc. after registering, he will take the printout and give the slip to patient / attendant along with its token number.

The basic fee of OPD will be received at the registration counter and accounted for in the basic registration software linked with QMS. The same token number will be displayed on the triage counter where his vitals will be taken and written on the same registration slip available with the patient. Now, keeping in view the specialty area the token number will be displayed on the relevant consultant office and he will be checked by relevant consultant. The consultant than diagnosed the medicine or either to admit it after his examination. In case of medicine he will be sent to hospital pharmacy where again the same ticket number will be displayed. There have to be an option available with the doctor to either redirect him to the hospital pharmacy or other (medical tests, referred to IPD). On displaying the same token number at pharmacy counter the patient will move to pharmacy counter along with his token number and registration slip and take prescribed medicine. Patient will be disposed from that window and process of QMS will be completed. There will be no entry in the basic registration software on the counters of triage, doctor at the moment.

The same process described above for DHQ will be implemented for THQ but with lesser number of counters i.e. 25. The important constraints for the systems are:

1. Same token number will be used at all the counters and patient will be getting the ticket from ticketing machine only once at the time of entry.

2. QMS will cater for missed, skipped or delayed patient at any counter.
3. There will be two LED displayed at different location in the waiting area to guide patients about the process details and to display token number along with announcement in URDU.
4. The gap between each display panel from ticketing machine to pharmacy can be customized according to requirement e.g. 5, 10, 30, 60 seconds etc.

5.7.2 Public Address System

Hospital Staff / Patients / Public Address System at Hospitals is a mandatory part of any hospitals facility following the international standards. The system is required to serve the multipurpose of announcing code blue (Critical Situation), making general announcement to attendants / Patients or to call patients or to transmit the fire tone under fire condition. The said system has been installed with 20 locations at hospitals with speakers and two announcement locations within the hospital. This will help in streamlining the operations of hospitals and for efficient and better service delivery and to better patient care.

5.7.3 CCTV System

Installation of network based CCTV cameras is an important module in the ICT part of revamping project. Scope of this component is to install 60 to 80 cameras in each hospitals at important location i.e. entry, exit, OPD, waiting areas, Parking for surveillance and security purposes. This will also serve as major input to the security services being provided by an outsourced security company in relevant hospitals. Moreover, there will be small scale central control room at each hospital to monitor the allocated locations where the cameras have been installed. This system will also have the facility to record the video for 15 days for all the cameras so that recording of specific duration can be produced on demand. This will also have the facility of central control room which has the capacity to access the camera of 40 hospitals and to view and monitor the area of specific camera within specific hospital at any given time. Therefore, it will establish a centralized surveillance and security mechanism for these 40 public sector healthcare facilities.

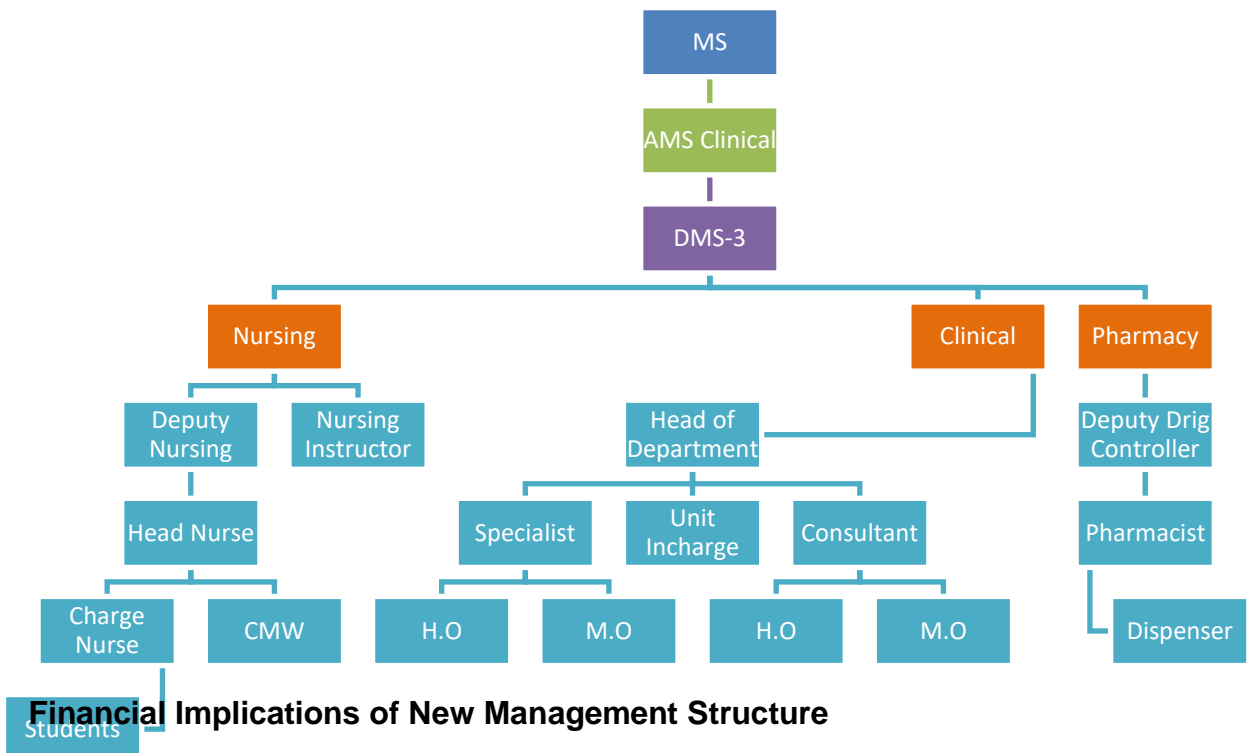
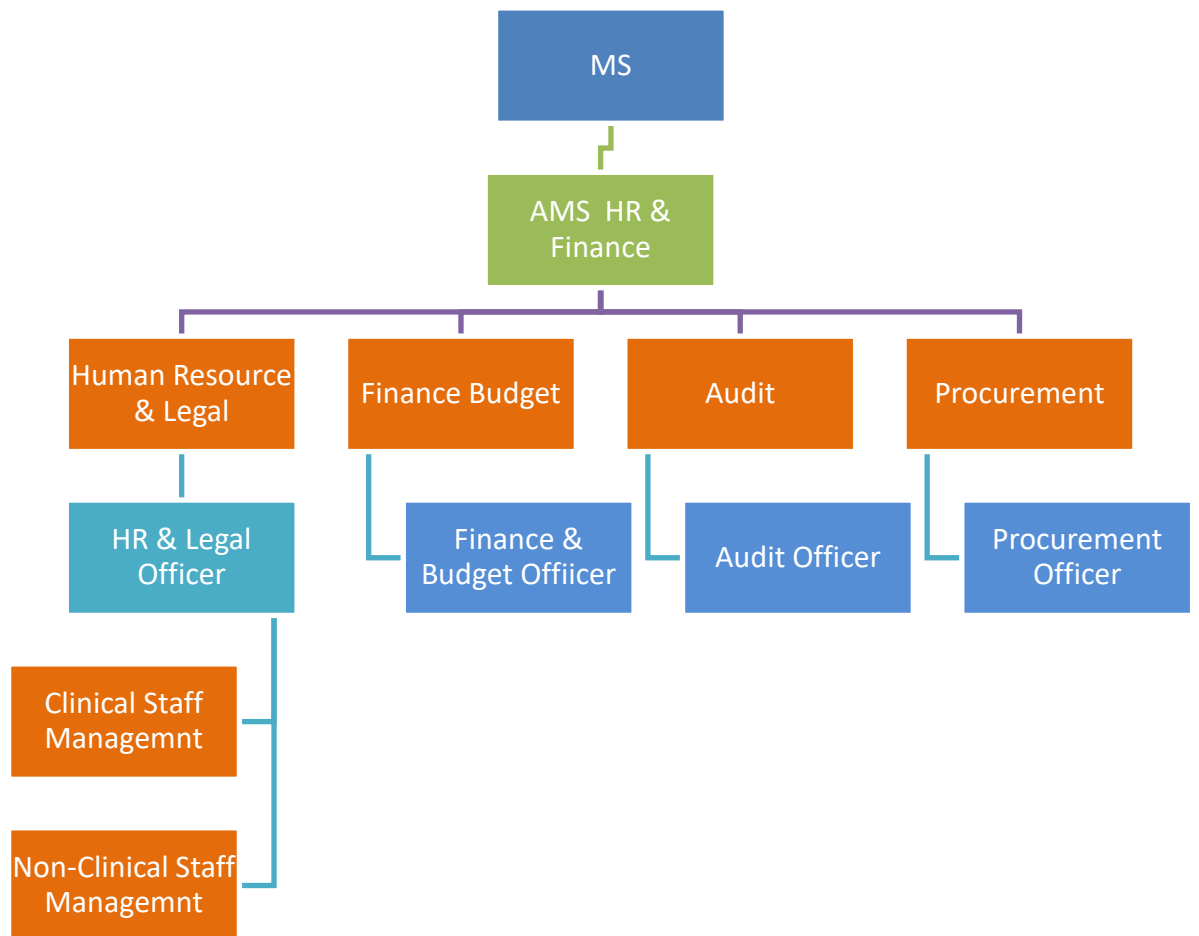
5.7.4 EMR and Networking

Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries regarding patients' needs to be made e.g. Radiology/Pathology, Indoor, outdoor etc. This will serve as

backbone to implement the Electronic Medical Record System in the Hospital which has the key feature of generating Unique Medical Record Number for each patient. This MR number will serve as an identity for patients during their treatment, retrieval of records and for decision making.

EMR will also be able to log the patient for treatment being provided to him in different areas of hospital i.e. OPD, Pathology, Radiology, Surgery, Indoor, etc. and their integration. This will be achieved by entering the relevant information at each department against specific MR number of a patient in the Customized / Purpose build software (EMR) for these public healthcare facilities.

This entry of MR number against each patient in hospital will build a large database for patient and relevant diseases. This will help in analysis disease / epidemic prevention and better patient care through retrieval of patient history and proper diagnoses at physician end. Implementation of patient registration, Record keeping, physical queue management, E-prescription, supporting IT interventions for EMR and medicine dispensation.



The Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab:

| <u>Project Pay Scale</u> <u>(PPS)</u> | <u>Revised Project Pay Scales</u> <u>(Permissible Range) (PKR)</u> | <u>Annual Increment</u> <u>Up to % age</u> |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
| PPS-1 | 28,000 --- 44,800 | 10 |
| PPS-2 | 35,000 --56,000 | 10 |
| PPS-3 | 43,750 -- 70,000 | 10 |
| PPS-4 | 52,500 -- 84,000 | 10 |
| PPS-5 | 70,000 --112000 | 10 |
| PPS-6 | 105,000 -- 172,200 | 8 |
| PPS-7 | 157,500 --258,300 | 8 |
| PPS-8 | 218,750--358,750 | 8 |
| PPS-9 | 306,250--502,250 | 8 |
| PPS-10 | 437,500--700,000 | 5 |
| PPS-11 | 612,500-- 980,000 | 5 |
| PPS-12 | 875,000 --1,400,000 | 5 |

In view of the above the Pay package of NMS staff has been revised. Financial Implications of New Management Structure Model based on revised Standard Pay Package (PPS) approved by the 83rd PDWP meeting held on 28-06-2022:

| Name of Post | No. of Employees | Original Pay package approved | | Revised Pay package | |
|----------------------------|-------------------------|--------------------------------------|----------------------------|----------------------------|----------------------------|
| | | Per Month Salary | Salary for One Year | Per Month Salary | Salary for One Year |
| ADMIN OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| HUMAN RESOURCE OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| IT/STATISTICAL OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| FINANCE & BUDGET OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| AUDIT OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| PROCUREMENT OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| LOGISTICS OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| BIOMEDICAL ENGINEER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| QUALITY ASSURANCE OFFICER | 1 | 80,000 | 960,000 | 105,000 | 1,260,000 |
| DATA ENTRY OPERAOTOR (DEO) | 4 | 35,000 | 1,680,000 | 44,000 | 2,112,000 |

| | | | | | |
|-------------------------|----|----------------|-------------------|------------------|-------------------|
| ASSISTANT ADMIN OFFICER | 4 | 50,000 | 2,400,000 | 70,000 | 3,360,000 |
| | 17 | 805,000 | 12,720,000 | 1,059,000 | 16,812,000 |

5.8.1 NON CLINICAL HR INTERVENTIONS (HUMAN RESOURCE (HR) PLAN MANAGEMENT STRUCTURE)

Institution will run under the administrative control of Medical Superintendent, who will control this with the collaboration and cooperation of 3 Additional Medical Superintendents including AMS (Admin), AMS (HR & Budget) and AMS (clinical), 3 Deputy Medical Superintendents (morning, evening and night) will be reporting to AMS Clinical. Each clinical facility will be further controlled by head of concerned department and 6 administrative posts of HR & Legal Officer, IT/Static Officer, Budget & Account Officer, Admin Officer, Procurement Officer and Audit Officer will be provided as supporting hands for AMS Admin and AMS HR & Budget for smooth execution of hospital tasks.

RESPONSIBILITIES / JOB DESCRIPTIONS, ELIGIBILITY & FINANCIAL IMPLICATIONS FOR MANAGEMENT STRUCTURE OF HOSPITAL

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

1. Issuance of monthly Duty rosters & special duty rosters of Eid, Muhurram etc of all clinical & non-clinical staff in hospital
2. Issuance of Transfer/postings orders within hospital
3. Taking of joining from new incumbents and charge relieving orders of relinquishing officials
4. File maintenance of all employees of hospital
5. Record of all enquires of employees of hospital
6. Leave record of employees
7. Adjustment of officials on duty during leave of concerned employee
8. Litigation/ legal issues of hospital (shall ensure all court cases are well attended and all legal matters of hospital are well taken care of)
9. Any other HR related function assigned by MS/AMS

Eligibility Criteria

1. Minimum qualification Masters' degree in H R/ Public Administration/ MBA / Management / Administration / LLB/ M.Com or equivalent from HEC recognized University
2. Minimum 1 year post degree relevant professional experience (Additional credit may be given for hospital administration/Public sector experience of similar nature)

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

1. Handling of all financial matters of hospital
2. Petty cash handling
3. Preparation of budget
4. Budget review
5. Maintenance of accounts and record
6. Any other function assigned by AMR HR
7. & Finance/MS/P&SHD

Eligibility Criteria

1. Minimum qualification Masters' degree in Finance (MBA Finance)/ M.Com / CA Inter/ ACCA or equivalent from HEC recognized University or officer from treasury service / subordinate accounts service (Additional credit may be given to Chartered accountant / ACCA)
2. Minimum 1 year post degree experience of Finance, Accounts & Budget (Additional credit may be given for Public sector experience of similar nature)

5.8.2.3 Audit Officer

Shall be responsible for following functions:

1. Smooth conduct and completion of all types of audit in hospital
2. Pre-audit of all Payments
3. Liaison with external audit teams
4. Preparation of replies of audit paras, working paper for Department Accounts committee, Special Departmental accounts committee & Public Accounts committee meetings
5. Development of SOPs for finance, budget, procurement as per Government rules & regulations

6. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eligibility Criteria

1. Minimum qualification Masters' degree in Finance/ MBA Finance / Chartered Accountant / ACCA / M.Com or equivalent from HEC recognized University.
2. Minimum 1 year post degree experience of audit (Additional credit may be given for Public sector experience of similar nature)

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

1. Procurement of all kinds for hospital
2. Shall be in liaison with P&SHD for procurements being conducted
3. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eligibility Criteria

1. Minimum qualification Masters' degree in Finance/ MBA Finance / BSc Engineering / Pharm D/ Economics / Statistic / M.Com or equivalent from HEC recognized University
2. 1 year post degree experience of procurement (Additional credit may be given for public sector experience of procurement)

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

Shall be responsible for general administrative affairs of hospital along with following functions:

1. Security
2. Transport
3. Parking
4. Janitorial
5. Canteen
6. External housekeeping
7. Electrical works

8. Internal housekeeping
9. Laundry
10. Stores & supplies

In case these functions have been outsourced, he shall be responsible for enforcement of these contracts and shall ensure that penalties are imposed in case of violation of contract. In case he fails to enforce contract and the outsourced function is not performed at par as per contract and penalties have not been imposed he shall be liable for non-action. Moreover, only reporting of violation of contract shall not suffice but he has to ensure follow up till the penalty has been imposed and action as envisaged in contract in case of violation has been taken.

Eligibility Criteria (Admin Officer)

1. Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA Finance / Administration / Statistic / Computer Science/M.Com / BSc Engineering/ Pharm D or equivalent from HEC recognized University
2. Minimum 1 year post degree relevant professional experience (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

Eligibility Criteria (Assistant Admin Officer)

1. Minimum qualification Masters' degree in Social Sciences / Public Administration / MBA / ACMA / ACCA / Statistics/ Computer Science / M.Com / Pharm D or equivalent from HEC recognized University
2. Relevant professional experience will be preferred (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

5.8.2.6 IT/STATISTICAL OFFICER

He shall be responsible for IT support for all IT interventions in the hospital.

He shall be in liaison with PITB/HISDU for proper reflection of hospital record on PITB dashboard. In case there is any discrepancy or error he shall resolve the issue. Moreover, he shall be responsible for functionality of all IT equipment.

Eligibility Criteria

1. Minimum qualification Masters' degree in Computer Science / MCS / BSCS (Hons) / MSC Statistics/ MBA / M Com / BS Engineering or equivalent from HEC recognized University
2. 1 years post degree experience of IT / Data analysis (Additional credit may be given for similar assignment experience)

5.8.2.7 QUALITY ASSURANCE OFFICER

He shall be responsible for quality of all things in the hospital.

Eligible Criteria

1. Masters in Total Quality Management / Masters in Public Health/ Masters in Health Administration/ Masters in Hospital Management / Masters in Biochemistry / Biotechnology / Molecular Biology / Microbiology from an HEC recognized University or equivalent.

OR

16 years education along with Post graduate diploma in Total Quality Management/ Post graduate diploma in Health Safety and Environmental Management System / Post graduate diploma in Healthcare and Hospital Management / Quality Assurance or equivalent.

2. Minimum 1 year post degree relevant professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

He shall be responsible for all items of Bio-Medical and Non-Bio-Medical in the hospital.

Eligible Criteria

1. BSc Bio-Medical Engineering / BSc Electrical Engineering / BSc Electronics or equivalent from HEC recognized University.
2. Minimum 1 year post degree relevant experience. 2 year experience is preferable.

5.8.2.9 LOGISTICS OFFICER

He shall be responsible for Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding in the hospital.

Eligible Criteria

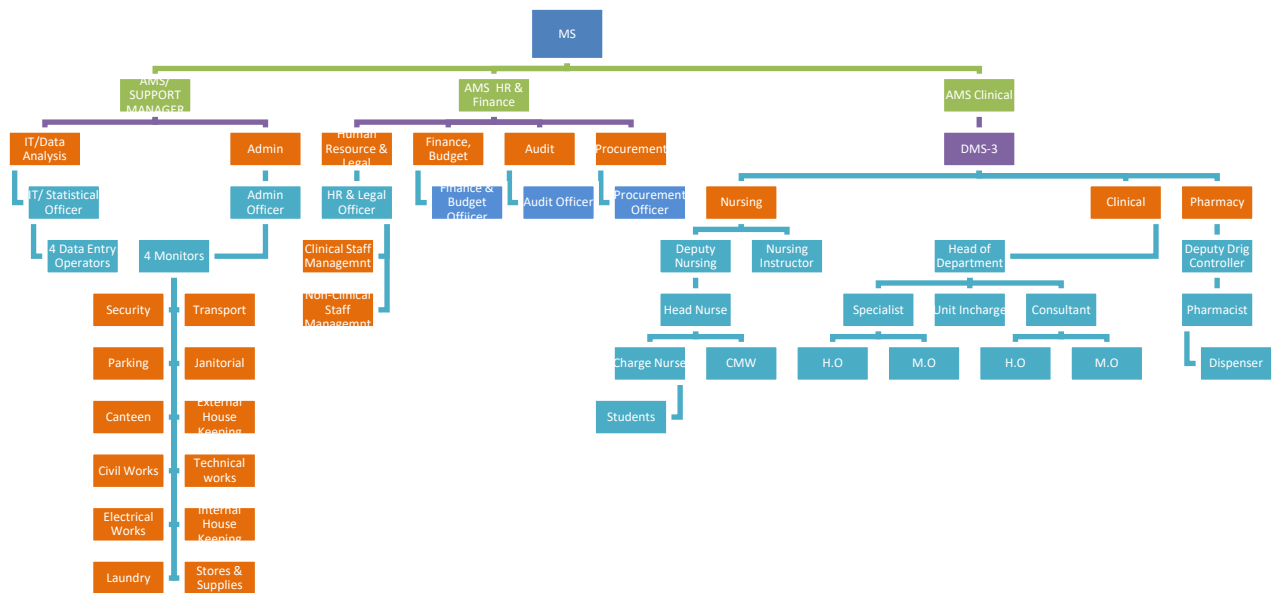
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

Four Data entry operators shall help IT officer in dispensation of his responsibilities.

Eligible Criteria

1. Minimum qualification BA / BSc / B.COM / BCS or equivalent from HEC recognized University. In case of BA / B.Com candidate must have six month computer course / Diploma.
2. Proficient in MS Word/ MS Excel/ MS Power point. Candidate must have typing speed of minimum 30 WPM. (additional credit may be given for additional relevant certified computer courses)
3. 1 years post degree relevant experience



Financial Implications of New Management Model

| Name of Post | No. of Employees | Revised Pay package | |
|--------------|------------------|---------------------|---------------------|
| | | Per Month Salary | Salary for One Year |
| | | | |

| | | | |
|---------------------------|----|-----------|------------|
| ADMIN OFFICER | 1 | 105,000 | 1,260,000 |
| HUMAN RESOURCE OFFICER | 1 | 105,000 | 1,260,000 |
| IT/STATISTICAL OFFICER | 1 | 105,000 | 1,260,000 |
| FINANCE & BUDGET OFFICER | 1 | 105,000 | 1,260,000 |
| AUDIT OFFICER | 1 | 105,000 | 1,260,000 |
| PROCUREMENT OFFICER | 1 | 105,000 | 1,260,000 |
| LOGISTICS OFFICER | 1 | 105,000 | 1,260,000 |
| BIOMEDICAL ENGINEER | 1 | 105,000 | 1,260,000 |
| QUALITY ASSURANCE OFFICER | 1 | 105,000 | 1,260,000 |
| DATA ENTRY OPERATOR (DEO) | 4 | 44,000 | 2,112,000 |
| ASSISTANT ADMIN OFFICER | 4 | 70,000 | 3,360,000 |
| | 17 | 1,059,000 | 16,812,000 |

Project Management Unit (PMU), Primary & Secondary Healthcare Department

Government of the Punjab decided to reform primary and secondary healthcare network into a robust, proficient and vibrant delivery system. It was a landmark initiative to revamp and rehabilitate DHQ /THQ Hospitals throughout the province. Revamping of DHQ and THQ Hospitals has been a flagship program of Primary and Secondary Healthcare Department. Scope of Revamping program includes six major components like (a) Addition of human resource, (b) Rehabilitation and improvement of infrastructure, (c) Supply of missing biomedical and non-biomedical equipment; (d) Introduction of IT-based solutions, (e) Outsourcing of allied services and (f) Standardization of hospital protocols. It was realized that a dedicated Project Management Unit (PMU) to be established to undertake this ambitious revamping program, which would steer all these components towards successful service delivery meeting the quality on priority basis.

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is firmly committed to provide health care services at the doorstep of the community through integrated approach. A number of projects to improve emergency health care service particularly targeting on the promptness and quality have been initiated. Although major focus is on disease prevention and health promotion strategies by providing specialist health care services to victims of various diseases in the patients is one of the top most priority. The instant project will be a major wing to health department with line departments.

Mainly the linkage with social welfare and human empowerment, labour and manpower, Education Department, Special Education, Home of the project will be in a vibrant environment in the holistic manner. The scope of the project itself aims to establish horizontal linkage with all the stakeholders through multi-sectorial approach. The health care facilities and ongoing services provided in the hospital will seek strength and viability from its linkage and public ownership.

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
2. Patients seen by C.M.O. initial assessment (brief history and physical examination) is entered on the emergency slip/file initial treatment is started.
3. C.M.O calls the medical officer / house officer of the relevant department who takes on of the following action:-
 - i. Discharges the patient from emergency department after the patient is stabilized (himself or after consultation).
 - ii. Returns the patient in emergency department and inform the consultant or call such patient is either discharged after some time i.e. 2 hours of admitted later on
 - iii. Patient is straight way admitted by the medical officer himself or in consultation with the consultant
4. A separate record is maintained by each department. Each patient discusses at the morning meeting and any pitfalls are any pitfalls are corrected.

5. The patient who is admitted is again entered into the computer in the ward, complete history and physical examination is carried out and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).
6. The definitive management is either started by the medical officer himself or in consultation with the consultant. (Telephone or physically). The patient is prepared for surgery if required.
7. At the evening round of the ward, the patients admitted throughout the day (Through OPD or emergency) are seen by the specialist. Appropriate changes in the management are carried out.
8. During the night, medical officer & house officer will be on duty and they will remain in contact with consultant.
9. In the morning round all the new admissions and old patients are thoroughly discussed management / treatment changed, surgery ordered or discharge ordered.
10. The discharge certificate is either prepared by the house officer or medical officer. If prepared by the house officer, it is countersigned by the medical officer

Appropriate changes are made in the computer record after discharge. The file is sent to the central record.

5.10.2 O.P.D:

1. After the initial registration and issuance of computerized number patient is sent to the relevant medical officer with the OPD slip/file.
2. The medical officer / house officer of the relevant department performs the initial assessment. The medical officer himself advises the treatment / investigation or refers the patients to the specialist or admits the patient.
3. After admission. The same routine is followed which has been mentioned in the case of admission through emergency.

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

1. The decision regarding resuscitation is made at the initial stages by the medical officer / house officer or specialist in consultation with the patient himself and / attendants.
2. The DNR (Do not resuscitate) patients are only seen by the medical officer/ hose officer at the time of death.
3. For the patients to be resuscitated, a special code (blue code) is declared when patient go onto cardiac or the terminal events.
4. The policy for very sick / terminal and dying patients is formulated at the hospital administration level and appropriate

modifications are decided in the relevant department for each patient.

5. Every death is discussed weekly at the mortality committee at the department and at the hospital level cleared by the Medical Superintendent.

5.10.4 INVENTORY CONTROL SYSTEM

The stock keeping and issuance of such items shall also be controlled and monitored through closer supervision and checks and balance system built in the software. The stock and expense of durable and consumable items will be kept in the system and also as hard copies. The main stores computers will be linked with the sub stores computers through networking. The areas like emergency. Outpatient department, Indoor registration desks, Laboratory and Radiology Department, ICUs, etc., will have linkages with the main and sub stores to know about:-

1. Stock in hand of various items
2. New receipt of these items
3. The items which have been issued to other departments
4. The Items which are not available
5. The expenditure incurred on the purchase.

The budget and details of account shall be linked with the financial control system.

5.10.5 PROJECT MONITORING COMMITTEE

A Project Monitoring Committee is hereby constituted as under to monitor the project regarding Revamping of Hospital.

- | | | |
|----|------------------------------|--------------------|
| 1. | DC Concerned | (Chairman) |
| 2. | DMO, Concerned | (Member) |
| 3. | Executive Engineer Buildings | (Member) |
| 4. | AC Concerned | (Member) |
| 5. | MS DHQ Hospital | (Secretary/Member) |

The committee will monitor the progress of the project and will hold regular weekly meeting to review the progress.

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of District Pakpattan is more than 2.074 million. The area of the DHQ Hospital Pakpattan is 434107 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

Government of the Punjab has taken a special initiative for Revamping of DHQs and THQs hospitals all over the Punjab. The instant PC-I is meant for completion of Balance work of Revamping of the said Hospital. For this purpose a block allocation of Rs.1300 million has been earmarked in ADP at G.S.No 660 during 2022-23. Hence the PC-I is submitted.

Punjab has a unique burden of disease where on the one hand preventable diseases still take a heavy toll, on the other hand, diseases which were previously believed to have had been effectively curtailed, have re-emerged. This is particularly in view of the targets set under Sustainable Development Goals (SDGs) such as the end of epidemics such as aids, tuberculosis and malaria by the year 2030, and control over hepatitis, water-borne diseases and other communicable diseases while reduction to one-third of premature mortality due to non-communicable diseases through ensuring availability of effective prevention and treatment.

Primary Health sector in the province is not in a satisfactory condition at this point in time. In order to pay better attention to the primary and secondary health department, the Government of Punjab has created a new department. Government plans to launch a major program comprising several major projects and interventions in the primary health sector with a view to carry out a 360 overhaul of the health machinery. This program will be launched in 25 DHQ hospitals and 100 THQ hospitals of the province.

JUSTIFICATION FOR REVISION OF PC-I

1. Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 06-10-2020. Accordingly, on the basis of revised RCE of IDAP and de-scope civil work for 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from

PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 130.628 million to Rs. 177.190 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

2. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60th PDWP meeting as under: -

| Name of Posts | 60 th PDWP Meeting | | |
|---------------|-------------------------------|--------------------------------------------|----------------------|
| | PPS Assigned | Permissible Range (PKR) & Annual increment | Approved Pay Package |
| | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------|--------|
| HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer | PPS-6 | 75,000-105,000 (8% annual incr.) | 75,000 |
| Assistant Admin Officer | PPS-5 | 50,000-75000 (10% annual incr.) | 50,000 |
| Data Entry Operator | PPS-3 | 35,000-55,000 (10% annual incr.) | 35,000 |

Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I. Due this the revenue component meant only for salaries of NMS staff has been increased.

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the all DHQ /15 THQ Hospitals and hence PC-I has been proposed till 30- 06-2025.

6.1.2 DHQ/THQ Hospitals covered under the Project: The location map of the DHQ and THQ hospitals that will be taken up for rehabilitation in this program are

given

below



The names of the DHQ and THQ hospitals that will be taken up for completion of balance work of in this program are given below:

- 1 DHQ Hospital Attock
- 2 DHQ Hospital Bahawalnagar
- 3 DHQ Hospital Bhakhar
- 4 DHQ Hospital Chakwal
- 5 DHQ Hospital Chiniot
- 6 DHQ Hospital Hafizabad

- 7 DHQ Hospital Pakpattan
- 8 DHQ Hospital Jhelum
- 9 DHQ Hospital Kasur
- 10 DHQ Hospital Khanewal
- 11 DHQ Hospital Khushab
- 12 DHQ Hospital Layyah
- 13 DHQ Hospital Lodhran
- 14 DHQ Hospital MBD
- 15 DHQ Hospital Mianwali
- 16 DHQ Hospital Muzaffargarh
- 17 DHQ Hospital Nankana Sahib
- 18 DHQ Hospital Narowal
- 19 DHQ Hospital Okara
- 20 DHQ Hospital Okara South City
- 21 DHQ Hospital Pakpattan
- 22 DHQ Hospital Rajanpur
- 23 DHQ Hospital Sheikhpura
- 24 DHQ Hospital T T Singh
- 25 DHQ Hospital Vehari
- 26 THQ Hospital Ahmedpur East District Bhahawalpur
- 27 THQ Hospital Arifwala District Pakpattan
- 28 THQ Hospital Burewala District Vehari
- 29 THQ Hospital Chichawatni District Sahiwal
- 30 THQ Hospital Chistian District Bhahawalnagar
- 31 THQ Hospital Daska District Sialkot
- 32 THQ Hospital Esa Khel District Mianwali
- 33 THQ Hospital Gojra District Toba Tek Singh
- 34 THQ Hospital Hazro District Attock
- 35 THQ Hospital Kamokee District Gujranwala
- 36 THQ Hospital Kot Addu District Muzaffargarh
- 37 THQ Hospital Mian Channu District Khanewal
- 38 THQ Hospital Noorpur Thal District Khushab
- 39 THQ Hospital Shujabad District Multan
- 40 THQ Hospital Taunsa District Dera Ghazi Khan

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Development - (PC22036)
LO NO:LO21010542
A/C To be Credited:Assan Assignment

PKR Million

| Sr # | Object Code | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | |
|-------|------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign |
| 1 | A12403-Other Buildings | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | A05270-To Others | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010089
A/C To be Credited:Account-I

PKR Million

| Sr # | Object Code | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | |
|-------|------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign |
| 1 | A05270-To Others | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | A12403-Other Buildings | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

1. **Building:** Renovation of existing building will be required. In this regard an estimates has been prepared from the Punjab Buildings department (C&W Department) and attached with the PC-I.
2. **Human resource:** Human resource is required for implementation of project – Provision of salaries of staff of New Management Structure (NMS) working in the said hospital till the vacation of stay by the honorable Lahore High Court, Lahore and completion of conversion of these posts to non-development mode.

Abstract of Cost

| Balance Work of Revamping of DHQ Hospital Pakpattan | | | | Rs. in million | | |
|-----------------------------------------------------|----------------|---------------|----------------|----------------|---------------|----------------|
| Scope of work | Original | | | 1st Revised | | |
| | Capital | Revenue | Total | Capital | Revenue | Total |
| Capital component | | | | | | |
| Internal Development | 84.528 | 0.000 | 84.528 | 106.209 | 0.000 | 106.209 |
| External Development | 35.365 | 0.000 | 35.365 | 14.551 | 0.000 | 14.551 |
| Water filtration plant | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total Capital Component | 119.892 | 0.000 | 119.892 | 120.760 | 0.000 | 120.760 |
| Revenue component | | | | | | |
| Human resource (HR) plan | 0.000 | 25.44 | 25.440 | 0.000 | 56.819 | 56.819 |
| Total Revenue component | 0.000 | 25.440 | 25.440 | 0.000 | 56.819 | 56.819 |
| Total | 119.892 | 25.440 | 145.332 | 120.760 | 56.819 | 177.579 |
| PST (5%) | 5.995 | 0.000 | 5.995 | 0.000 | 0.000 | 0.000 |
| Grand Total | 125.887 | 25.440 | 151.327 | 120.760 | 56.819 | 177.579 |

Human Resource Model of DHQ Hospital Pakpattan

| | Original | | | | 1st Revised | | | | |
|------------------------------------|------------------|------------------|---------------------------------|----------------------|------------------|-------------------|------------------|---------------------------------|----------------------|
| NAME OF POST | No. of Employees | Per Month Salary | Per Month Salary for all Person | Salary for Two Years | No. of Employees | Project Pay Scale | Per Month Salary | Per Month Salary for all Person | Salary for Two Years |
| ADMIN OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| HUMAN RESOURCE/LEGAL OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| IT/STATISTICAL OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| FINANCE & BUDGET OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| AUDIT OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| PROCUREMENT OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| DATA ENTRY OPERAOTOR (DEO) | 4 | 35,000 | 140,000 | 3,360,000 | 4 | 3 | 44,000 | 176,000 | 5,456,000 |
| QUALITY ASSURANCE OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| BIO MEDICAL ENGINEER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| LOGISTICS OFFICER | 1 | 80,000 | 80,000 | 1,920,000 | 1 | 6 | 105,000 | 105,000 | 3,255,000 |
| ASSISTANT ADMIN OFFICER | 4 | 50,000 | 200,000 | 4,800,000 | 4 | 5 | 70,000 | 280,000 | 8,680,000 |
| Sub Total of HR Model | 17 | | 1,060,000 | 25,440,000 | | | 1,059,000 | 1,401,000 | 43,431,000 |
| | | | | 25.440 | | | | | 43.431 |
| Utilization of HR Component | | | | 13.388 | | | | | |
| | | | | | | | | | 56.819 |

10/6

PROVINCE PUNJAB

STATION
PAKPATTAN

DIVISION
EXECUTIVE ENGINEER BUILDINGS
DIVISION PAKPATTAN

SUB DIVISION
SUB DIVISIONAL OFFICER BUILDINGS
SUB DIVISION, PAKPATTAN.

NAME OF WORK
REVISED
AMENDED ROUGH COST ESTIAMTE
FOR THE BALANCE WORK OF
REVAMING OF DISTRICT HEAD
QUARTER HOSPITAL PAKPATTAN FOR
THE YEAR 2022-23.

HEAD OF ACCOUNT.

AMOUNT
120.760(M)
~~160.657(M)~~
23.537M
127.501
Rs. 127.501 (Million)



File No. S37
15-6-21

No. PMU/(P&SHD)/2021/1209
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated: June 2, 2021

To

Executive Engineer,
Buildings Division,
Pakpattan

SUBJECT: COST ESTIMATES FOR REVAMPING OF DISTRICT HEADQUARTER HOSPITAL (DHQ) PAKPATTAN AND TEHSIL HEADQUARTER HOSPITAL (THQ) ARIFWALA

Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have been divided in to two Phases of Revamping Program i.e. Phase - I (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase - II (Remaining Hospitals Annexure - B). P&SHD has carried out the civil works under revamping program in Phase - I hospitals through Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping civil works was i) Internal Development ii) External Development and iii) External Electrification. As of now around 60% of work on these schemes has been completed by IDAP.

2. Now, the Department intends to carry out complete revamping of these Phase - I hospitals through Communication and Works Department Punjab. Hence, in this regard, cost estimates for remaining work of these hospitals are desired so that the work on these schemes can be executed completely and promptly. The detailed design document containing detailed scope requirement is also attached at Annexure - C (The estimates of only clinical blocks of hospital may be provided).

3. It is pertinent to mention that P&SHD intends to revamp the remaining civil infrastructure of these Phase - I hospitals to achieve the uniformity in hospitals. As currently there is a major visible difference in revamped and non-revamped areas. Hence, in order to have a better idea of specifications and materials, the field visits of already revamped areas of THQ Arifwala & DHQ Pakpattan may be conducted. The areas that

Engr. M. K. Khan

Pl visit DHQ PPN
for scope of
work and cost

up RCE

P. 22/6/2021

REVISED

AMENDED ROUGH COST ESTIMATE FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION, PAKPATTAN FOR THE REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN FOR THE YEAR 2022-23.

HISTORY.

The Govt. of the Punjab decided to provide the better facilities in the Health Sector. The Primary & Secondary Health Care Department P&SHD has transferred its Secondary Health Care Establishment through Revamping Programme P&SHD is having 26-District & 133-Tehsil Head Quarter Hospital across the Punjab. These Hospitals have been divided into Two-Phases. The Project Management Unit P&S Health Care Department Lahore has been requested the rough cost estimate for Revamping of District Head Quarter Hospital (DHQ) Pakpattan vide No.PMU/P&SHD/2021/1209, dated 02-06-2021. The estimate has been prepared and approved / forwarded by the Chief Engineer Punjab Building Department Central Zone Lahore to Secretary Govt. of the Punjab Primary & Secondary Health Care Department Lahore vide Chief Engineer Punjab Building Department Central Zone Lahore Memo: No.CEB(CZ)/2891-93/D-(I), dated 29-07-2021 for Rs.105.823 (Million) based on rates MRS 2nd Bi-Annual 2021.

The scheme dropped in the Phase-I. Now the Revamping of District Head Quarter Hospital (DHQ) Pakpattan are in (Phase-II). Hence the amended rough cost estimate has been prepared amounting to ~~Rs.125.315~~ (Million) based on rates MRS 2nd Bi-Annual 2022 for its construction.

~~Rs.125.315~~ 120.760

DESIGN.

The standard design prepared by Chief Architect Govt. of the Punjab Lahore has been followed.

SCOPE OF WORK.

The following provision have been made in the estimate.

| | | | | |
|------|---------------------------------------------------|---|-------|------|
| 1. | Revamping of Old Building | = | 1 | Job |
| 2. | Detail of Nursing Counter | = | 6 | Nos. |
| 3. | Electric Installation (Internal wiring) | = | 1 | Job |
| 4. | Public Health Fitting | = | 42666 | Sft |
| 5. | Construction of Boundary wall 9" thick 8' height. | = | 350 | Rft |
| 6. | P/F razor cut wire | = | 350 | Rft |
| 7. | Out door main entrance podium G.F. | = | 393 | Sft |
| ii. | Out door main entrance hall F.F | = | 410 | Sft |
| iii. | Dirty Corridor Ground Floor. | = | 768 | Sft |
| iv. | Dirty Corridor First Floor. | = | 768 | Sft |
| 8. | Extension of Waiting Hall in out door block G.F. | = | 1 | Job |
| 9. | COLLECTING TANK Size 20' Dia | = | 1 | No. |

SPECIFICATIONS.

The work will be carried out according to the Building Department specification latest edition and to the entire satisfaction of the Engineer In-charge.

RATES.

Rates provided in the estimate are based on Plinth Area 2nd Bi-Annual 2022.

COST.

The total cost estimate to ~~Rs.125.315~~ (Million)

~~Rs.125.315~~ 120.760

LAND.

No. provision of land has been made in the estimate. As the same is available with the Department.

CARRYING OUT OF WORK.

The work will be carried out through the approved Govt. Contractor after calling competitive tenders.

TIME.

It will be taken about 02-Years to complete the work from the actual date of commencement.

EXECUTIVE ENGINEER
Buildings Division, Pakpattan

REVISED
AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF DISTRICT HEAD QUARTER
HOSPITAL PAKPATTAN FOR THE YEAR 2022-23.
COMPARATIVE STATEMENT

| Sr. No. | Description | As per Approved Rough cost Estimate (1st July to 31st December 2021) | | | | As per Amended Rough cost Estimate (1st July to 31 December 2022) | | | | (+)Excess (-) Saving (10-6) | Remarks |
|---------|-------------------------------------------------|-------------------------------------------------------------------------|-------|------|------------|----------------------------------------------------------------------|------|------|--------------------------------------------------------|------------------------------------------------------------|-----------------------|
| | | Qty | Unit | Rate | Amount | Qty | Unit | Rate | Amount | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | <u>Main Building</u> | | | | | | | | | | |
| 1. | Revamping of Old Building | | | | 58380457 ✓ | | | | 45838435 ✓ | 58,380,457 | detail attached P-100 |
| 2. | Revamping of X-Ray & Ultra Sound Ward G.F / F.F | | | | | | | | 38207613 40904000 | 38207613 40,904,000 | detail attached P-15 |
| ii | Public Health Fitting | 16120 | P.Sft | | | | | 119 | 1918280 ✓ | 1,918,280 | |
| 3. | In Door Block G.F / F.F | | | | | | | | 20160500 21408000 20468000 | 20160500 21,408,000 20,468,000 | detail attached P-40 |
| ii | Public Health Fitting | 18528 | P.Sft | | | | | 119 | 2204832 ✓ | 2,204,832 | |
| 4. | Out Door Block F.F | | | | | | | | 7400000 704575 | 7,400,000 6,704,575 | detail attached P-60 |

69809727

| Sr. No. | Description | As per Approved Rough cost Estimate (1st July to 31st December 2021) | | | | As per Amended Rough cost Estimate (1st July to 31 December 2022) | | | | (+)Excess (-) Saving (10-6) | Remarks |
|---------------|----------------------------------------------|-------------------------------------------------------------------------|-------|------|------------|----------------------------------------------------------------------|------|---------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|
| | | Qty | Unit | Rate | Amount | Qty | Unit | Rate | Amount | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| ii | Public Health Fitting | 4450 | P.Sft | | | | | 119 | 529550 | 529,550 | |
| 5. | Emergency Cardic Block / Emergency Block G.F | | | | | | | | 6839000 12995000 12555000 | 6839000 12995000 12555000 | detail attached |
| ii | Public Health Fitting | 6334 | P.Sft | | | | | 119 | 753746 | 753,746 | |
| | D/d of Public Health | 45432 | P.Sft | | | | | 20 | 998040 | 908,640 | |
| 6. | Provision of 1/2 Cusec Turbine i/c Boring | | | | 4325800 ✓ | | | | 0 | 4,325,800 | |
| 7. | Provision of Pumping Chambe | | | | 405700 ✓ | | | | 0 | 405,700 | |
| 8. | Provision of Sewer line | | | | 8416700 ✓ | | | | 0 | 8,416,700 | |
| 9. | Electric Installation (Internal Wiring) | 97875 | P.Sft | | 11549250 ✓ | | | | 708615 13080703 708615 708615 708615 | 7286615 2441548 708615 | detail attached |
| 10. | Public Health Fitting | 97875 | P.Sft | | 9004500 ✓ | | | | 708615 708615 708615 | 9,004,500 | |

| Sr. No. | Description | As per Approved Rough cost Estimate (1st July to 31st December 2021) | | | | As per Amended Rough cost Estimate (1st July to 31 December 2022) | | | | (+)/Excess (-)/Saving (10-6) | Remarks |
|---------|---------------------------------------------------|-------------------------------------------------------------------------|-------|--------|-----------|----------------------------------------------------------------------|-------|-------------------------|-------------------------------|------------------------------------|------------------------------------|
| | | Qty | Unit | Rate | Amount | Qty | Unit | Rate | Amount | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 11 | Construction of Boundary wall 9" thick 8' Height. | 350 | P.Rft | 5151 | 1802850 ✓ | 350 | P.Rft | 7502 | 2625700 | 822,850 | P-100 |
| 12 | Provision of Barbed Wire Fencing. | 350 | P.Rft | 394 | 137900 ✓ | 0 | 0 | 0 | 0 | 137,900 | P-101 |
| 13 | Provision of Tuff Tile. | | | | 3009000 ✓ | | | | 0 | 3,009,000 | P-101 |
| 14 | Provision of Waiting Shed | 2065 | P.Sft | 2365 | 4883725 ✓ | | | | 0 | 4,883,725 | P-101 |
| 15 | Provision of Parking Shed | 19500 | P.Sft | 291.06 | 5675670 | | | | 0 | 5,675,670 | P-101 |
| 16 | Detail of Nursing Counter | 0 | 0 | | 0 | 6 | Each | 442917 | 2657504 ✓ | 2,657,504 | detail attached P-92 |
| 17 | Out door main entrance podium G.F | 0 | 0 | | 0 | 393 | P.Sft | 3624 5339 | 1424232 2098227 | 1424232 2,098,227 | 3624+228 +615872 P-102 |
| i | Out door main entrance hall F.F | 0 | 0 | | 0 | 410 | P.Sft | 4360 | 1787600 ✓ | 1,787,600 | 3624+228- 504+872+ 140 P-103 |

1836578507

| Sr. No. | Description | As per Approved Rough cost Estimate (1st July to 31st December 2021) | | | | As per Amended Rough cost Estimate (1st July to 31 December 2022) | | | | (+/-) Excess (-)/ Saving (10-6) | Remarks |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------|------|-------------|----------------------------------------------------------------------|-------|--------|-------------------------|---------------------------------------|----------------------------------|
| | | Qty | Unit | Rate | Amount | Qty | Unit | Rate | Amount | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| ii | Dirty Corridor Ground Floor. | 0 | 0 | | 0 | 768 | P.Sft | 5339 | 4100352 | 4,100,352 | 3624+228 +615+872 P-102 |
| iii | Dirty Corridor First Floor. | 0 | 0 | | 0 | 768 | P.Sft | 4360 | 3348480 | 3,348,480 | 3624+228 504+872 140 P-102 |
| 18 | Extension of Waiting Hall in out door block Ground Floor. | 0 | 0 | | 0 | | | | 348969 | 348,969 | detail attached P-94 |
| 19 | Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c clad over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer in-charge. (i) 24" dia. | 0 | 0 | 0 | 0 | 350 | P.Rft | 541.35 | 189473 | 189,473 | |
| 20 | COLLECTING TANK Size 20' Dia i/c Providing and fixing Non Clogging Centrifugal Pump Size 2-1/2"x3" with 5-BHP (KSB / Equivalent) electric motor 3-phase i/c carriage and fixing with electric cable 7/0.064" four core and main circuit breaker 100-Amp with foundation complete in all respect as approved by the Engineer in-charge. | 0 | 0 | 0 | 0 | | | | 3292000 | 3,292,000 | detail attached P-96 |
| | Total | | | | 107,591,552 | | | | 125,429,871 11481781 | 18,638,319 7226319 | |

Add window charge
for additional transformer

3000000/ 114937124/
115009843
417937124/ 153001039
Page 60

| Sr. No. | Description | As per Approved Rough cost Estimate (1st July to 31st December 2021) | | | | As per Amended Rough cost Estimate (1st July to 31 December 2022) | | | | (+)Excess (-) Saving (10-6) | Remarks |
|---------|--------------|-------------------------------------------------------------------------|------|------|-------------|----------------------------------------------------------------------|------|---------------------|----------------------|------------------------------------|---------|
| | | Qty | Unit | Rate | Amount | Qty | Unit | Rate | Amount | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Add 5% P.R.A | | | | 5,379,578 | 7650052 | | 5746856 | 5,967,378 | 691916 | 587,799 |
| | Total | | | | 112,971,130 | 5750492 | | 16065104 | 425,314,904 | 42,343,774 | |
| | Say | | | | 112,971,000 | | | 16065104 | 425,315,000 | 14,302,34 | |

Note - ∴ But the estimate was vetted Or 112.97 (M) Or 425.315 (M)
 for Rs = 105.823/- 120.760 123.559 (M) 120.683 10%
~~160.651~~ 120.760 123.683 (M)

Superintending Engineer,
Buildings Circle, Sahiwal.

Executive Engineer
Buildings Division,
Pakpattan

Sub Divisional Officer
Buildings Sub Division,
Pakpattan

Sub Engineer

| | | |
|-------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|
| TECHNICALLY VETTED | | |
| For Rs. | 123.559 (M) | 120.760 |
| Rupees | One twenty three point five | |
| | five nine million only | |
| Chief Engineer Punjab Buildings Deptt. Central Zone Lahore. | Deputy Director-I Punjab Buildings Deptt. Central Zone Lahore. | Chief Draftsman Punjab Buildings Deptt. Central Zone Lahore. |

REVISED

**AMENDED ROUGH COST ESTIAMTE ON DETAIL BASED FOR THE BALANCE WORK OF REVAMPING
OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN FOR THE YEAR 2022-23**

X-Ray & Ultra Sound Ward

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------|----------|-----------------------------------------------------|-------------------|
| 1 | Dismantling glazed or encaustic tiles etc. | 40663 | % Sft | 2335.85 | 954963 | Detailed attached |
| 2 | Dismantling of plain cement concrete 1:2:4 | 2589 | % Cft | 11174.60 | 289302 | |
| 3 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1:2:4. | 2589 | %Cft | 38126.10 | 987056 | |
| 4 | Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles (ii) 600mmx 600 mm. | 16107 17042 | P.Sft | 340.50 | 5484531 5802840 | |
| 5 | Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (ii) 600mm x600 mm | 16708 18304 19533 | P.Sft | 340.50 | 5689074 6232504 6651082 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|---------|
| 6 | Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36". | 713 | P.Sft | 239.90 | 171026 | |
| 7 | Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy / Matt / Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | 2202 2657 | P.Sft | 292.65 | 644415 777454 | |
| 8 | Preparing surface and painting with emulsion paint:- i/c scraping | 59980 23992 | % Sft 2.6 ft | 1151.55 2796.55 2796.55 | 694479 1677389 679948 | 60/46 |
| 9 | P/Applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect old surface after scraping. | 11954 | % Sft | 1925.45 | 230166 | |
| 10 | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6 Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide | 848 | P.Sft | 727.00 766.15 | 616496 649695 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------|---------|---------|
| 11 | P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar / Ash / Oak ply with grooves, compressed over 2.5mm thick commercial plyover 1" thick packing woodinstyle and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge. | 848 | P.Sft | 678.55 | 575410 | |
| 12 | Removing windows and sky lights with chowkat. | 74 | Each | 341.50 | 25271 | |
| 13 | Removing door with chowkat. | 27 | Each | 438.00 | 11826 | |
| 14 | Providing and fixing ^{1.6} 2 mm thick ^{Single} Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides, fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge. | 1192 | P.Sft | 1348.40 | 1607293 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------|---------|---------|
| 15 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze(Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2"and1.6mm thick with rubber gasket/ c cost of Hardware sas approved and directed by the engineer incharge.complete in all-respect. | 596 | P.Sft | 493.05 | 293858 | |
| 16 | Providing and laying non slipary tile on ramp or stair steps full width laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect (master dwv series class sb or equivalent). | 3252 | P.Sft | 211.55 | 687916 | |
| 17 | Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniformtexture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona | 5448 | P.Sft | 412.30 | 2246355 | |
| 18 | Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level). | 29 | P.Rft | 2361.45 | 68482 | |

| S No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------|---------------------------------------------------------|-----------------------------------------------------------|---------|
| 19 | Providing and fixing of wall mounted stainless steel 18 ¹⁶ -SWG surgical Scrub sink for 2-person size 6'x2-1/2' and 3-1/2' height with removeable front panels for ease of access the bottom surface to be stoped bottom to minimize splashing and over spill alongwith a flat strainer drain. The unit is complete with elbow action, spray head, mirror best quality 8mm thick glass size 6'x2'. Locally manufactured i/c frame, complete in all respect, as per instruction of all consultants and as approved by the Engineer Incharge. | 3 | Each | 12000.00 900000.00 190000 ✓ | 360000.00 2700000.00 570000 ✓ | ← Scrub |
| 20 | Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge. | 107 | Each | 2932.00 | 313724 | |
| 21 | Supply and installation premium ^{Best} graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge Flaming | 4113 5391 | P.Sft | 1350 850.00 | 5582550 7277850 3504285 | ← |
| 22 | P/F of Elbow action best qly complete in all respect as approved and directed by the Enginer Incharge. | 4 | Each | 2500.00 | 10000 | |
| 23 | Supply and installation premium ^{Best} graded /scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO: 22196) and pasted over 12mm thick gypsum board with adhesive /solvent fixed over 14-SWG G.I Channel of size 3.5"x 2"x 3.5" duly screwed on wall i/c the cost of hardware's as approved and directed by the Engineer in-charge. | 3157 | P.Sft | 650 1050.00 | 2052050 4201785 | ← |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------------------------------------------------|--------------------------------------------|---------|
| 19 | Providing and fixing of wall mounted stainless steel 18-SWG surgical Scrub sink for 2-person size 6'x2-1/2' and 3-1/2' height with removeable front panels for ease of access the bottom surface to be stoped bottom to minimize splashing and over spill alongwith a flat strainer drain. The unit is complete with elbow-action, spray head, mirror-best quality 8mm thick glass size 6'x2'. Locally manufactured i/c frame, complete in all respect, as per instruction of all consultants and as approved by the Engineer Incharge. | 3 | Each | 140000/- 900000.00 N.S | 570000/- 2700000 | P. ← |
| 20 | Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge. | 107 | Each | 2932.00 P. | 313724 | |
| 21 | Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge | ✓ 5391 | P.Sft | 1350 650.00 P | 7277850/- 3504283 | ← |
| 22 | P/F of Elbow action best qlty complete in all respect as approved and directed by the Enginer Incharge. | 4 | Each | 2500.00 P | 10000 | |
| 23 | Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. | ✓ 3157 | P.Sft | 650/- 1350.00 P | 2052050/- 4264784 | ← |

600-750/-550/-

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----------------------|------------------------------|---------|
| 24 | Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. | 240 | P.Rft | 150.00 P | 36000 | ✓ |
| 25 | Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- a) On interior surface (without mastic strip) | 174 | P.Sft | 147.30 r | 25630 | ✓ |
| 26 | Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge | 1824 | P.Rft | 393.30 | 717379 | ✓ |
| 27 | Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lumn/Watt (i) 36 watt | 155 | Each | 8500 9500.00 P- | 137500 1472500 | ← |
| 28 | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- a) 4" dia (100 mm) cast iron down pipe. | 540 | P.Rft | 325.95 | 176013 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|-----------|----------------------------------|----------|
| 29 | P/F 1½" (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specfied width and panels of 2.5 mm thick veneer ply matching with wood used with grooves , pasted on both sides of 1" thick Lasani wood panel with tapered edges i/c the cost of tower bolt ,handles complete in all respect (Excluding the cost of chowkat frame,sliding bolt and lock) as approved and directed by Engineer Incharge. (ii) Oak/Ash Wood i/c angle iron chowkat | 263 | P.Sft | 1872.05 | 491413 | ← |
| 30 | Supply and installation of Clip-in tile of specified thickness non-porous Alumnum false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. | 4026 3459 | P.Sft | 650.00 | 2616707 2248645 | ← |
| | | | | Total:- | 37414775 40032795 2285794 | 44823335 |
| | D/d Cost of Old Material (-) | | | | | |
| 1 | Window | 74 | Each | 2500.00 | 185000 | |
| 2 | door | 27 | Each | 5000.00 | 135000 | |
| | | | | Total:- | 320000 | |
| | | | | G.Total:- | 37094775 39712795 30701774 | 44503335 |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-------------|---------------------|------|---------|-----------|----------|
| | | Add 3% Contingency. | | | 4191384 | |
| | | | | Total:- | 412843/ | 335100 |
| | | | | Say:- | 38207613/ | 45838435 |
| | | | | | 40904179 | 23887 |
| | | | | | 40904000 | |
| | | | | | 4035000/- | |


Sub Engineer


Sub Divisional Officer,
Buildings Sub Division Pakpattan

REVISED

**AMENDED ROUGH COST ESTIMATE ON DETAIL BASED FOR THE BALANCE WORK
OF REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN
FOR THE YEAR 2022-23.**

1 Dismantling glazed or encaustic tiles etc.

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | |
|-------------------|---|---|--------|---|--------|---|-----|-----|
| Labour room | 1 | x | 19.720 | x | 18.83 | = | 371 | Sft |
| Toilet | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| Recovery /Nursing | 1 | x | 15.920 | x | 18.83 | = | 300 | Sft |
| Sterlizer | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Baby wash | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Delivery room | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Anesthetist | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Toilet | 1 | x | 6.290 | x | 5.92 | = | 37 | Sft |
| Nurses | 1 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Corridor | 1 | x | 90.000 | x | 7.20 | = | 648 | Sft |
| Waiting room | 1 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Labour room | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1 | x | 5.920 | x | 12.58 | = | 74 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Nurse change | 1 | x | 5.110 | x | 12.58 | = | 64 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Operation theater | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Sterlizer | 1 | x | 9.250 | x | 18.83 | = | 174 | Sft |
| Recovery /Nursing | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1 | x | 5.720 | x | 12.58 | = | 72 | Sft |
| | 1 | x | 5.720 | x | 5.92 | = | 34 | Sft |
| Corridor | 1 | x | 90.000 | x | 5.54 | = | 499 | Sft |
| X-Ray room | 1 | x | 15.720 | x | 18.83 | = | 296 | Sft |
| Store | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Dark room | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Specimen | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Wash room | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Labortary | 1 | x | 16.720 | x | 18.83 | = | 315 | Sft |
| Radio graphy | 1 | x | 13.375 | x | 18.83 | = | 252 | Sft |
| Toilet | 1 | x | 9.000 | x | 6.00 | = | 54 | Sft |
| Radio graphy | 1 | x | 9.750 | x | 12.50 | = | 122 | Sft |
| Corridor | 1 | x | 76.000 | x | 7.20 | = | 547 | Sft |
| Stair | 1 | x | 9.500 | x | 18.83 | = | 179 | Sft |
| Waiting room | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Pathologist | 1 | x | 19.750 | x | 12.375 | = | 244 | Sft |
| Toilet | 1 | x | 9.250 | x | 5.72 | = | 53 | Sft |
| " " | 1 | x | 9.750 | x | 5.83 | = | 57 | Sft |
| Dark room | 1 | x | 8.375 | x | 16.75 | = | 140 | Sft |
| X-Ray room | 1 | x | 14.280 | x | 18.83 | = | 269 | Sft |
| Corridor | 1 | x | 76.000 | x | 5.54 | = | 421 | Sft |
| | 1 | x | 90.000 | x | 5.54 | = | 499 | Sft |
| Medical Store | 1 | x | 18.830 | x | 19.00 | = | 358 | Sft |
| Dr. Office | 1 | x | 20.750 | x | 19.00 | = | 394 | Sft |
| Toilet | 1 | x | 8.000 | x | 8.00 | = | 64 | Sft |
| Gallary | 1 | x | 67.000 | x | 8.00 | = | 536 | Sft |

Operation Theater First Floor

| | | | | | | | | |
|---------------|---|---|---------|---|--------|---|------|-----|
| Operation T | 1 | x | 17.730 | x | 18.88 | = | 335 | Sft |
| Store | 1 | x | 15.920 | x | 8.375 | = | 133 | Sft |
| Scrub Up | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Operation | 1 | x | 29.250 | x | 18.88 | = | 552 | Sft |
| Splint | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Clen linen | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Plaster | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Corridor | 1 | x | 89.750 | x | 7.21 | = | 647 | Sft |
| Dr. Office | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Dr. Change | 1 | x | 12.570 | x | 18.88 | = | 237 | Sft |
| Nurse change | 1 | x | 12.540 | x | 18.88 | = | 237 | Sft |
| Inst. Room | 1 | x | 11.540 | x | 18.88 | = | 218 | Sft |
| Anesthetist | 1 | x | 8.000 | x | 18.88 | = | 151 | Sft |
| Recovery | 1 | x | 29.750 | x | 18.88 | = | 562 | Sft |
| Gallary | 1 | x | 56.125 | x | 10.00 | = | 561 | Sft |
| Single Bed | 1 | x | 15.730 | x | 18.88 | = | 297 | Sft |
| Bath | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Nurse Station | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Single Bed | 1 | x | 16.730 | x | 18.88 | = | 316 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Corridor | 1 | x | 52.880 | x | 7.21 | = | 381 | Sft |
| Stair Room | 1 | x | 10.000 | x | 18.88 | = | 189 | Sft |
| 2-Bed | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | = | 56 | Sft |
| Single Bed | 1 | x | 15.750 | x | 12.40 | = | 195 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | = | 34 | Sft |
| Ver | 1 | x | 154.880 | x | 5.54 | = | 858 | Sft |
| Ramp | | | | | | | | |
| | 3 | x | 63.370 | x | 16.250 | = | 3089 | Sft |
| | 1 | x | 10.000 | x | 16.250 | = | 163 | Sft |

Dado or Skirting**X-Ray & Ultra Sound Ward Ground Floor**

| | | | | | | | | | | |
|-------------------|---|---|--------|---|-------|---|-------|---|-----|-----|
| Labour room | 2 | x | 19.720 | + | 18.83 | x | 4.000 | = | 308 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.920 | x | 4.000 | = | 95 | Sft |
| Recovery /Nursing | 2 | x | 15.920 | + | 18.83 | x | 4.000 | = | 278 | Sft |
| Sterlizer | 2 | x | 9.250 | + | 9.75 | x | 4.000 | = | 152 | Sft |
| Baby wash | 2 | x | 9.250 | + | 9.75 | x | 4.000 | = | 152 | Sft |
| Dilvery room | 2 | x | 19.250 | + | 18.83 | x | 4.000 | = | 305 | Sft |
| Anesthetist | 2 | x | 12.580 | + | 18.83 | x | 4.000 | = | 251 | Sft |
| Toilet | 2 | x | 6.290 | + | 5.92 | x | 4.000 | = | 98 | Sft |
| Nurses | 2 | x | 12.375 | + | 18.83 | x | 4.000 | = | 250 | Sft |
| Corridor | 2 | x | 90.000 | + | 7.20 | x | 4.000 | = | 778 | Sft |
| Waiting room | 2 | x | 12.375 | + | 18.83 | x | 4.000 | = | 250 | Sft |
| Labour room | 2 | x | 12.580 | + | 18.83 | x | 4.000 | = | 251 | Sft |
| Doctor change | 2 | x | 5.920 | + | 12.58 | x | 4.000 | = | 148 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 4.000 | = | 127 | Sft |
| Nurse change | 2 | x | 5.110 | + | 12.58 | x | 4.000 | = | 142 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 4.000 | = | 127 | Sft |
| Operation theater | 2 | x | 19.250 | + | 18.83 | x | 4.000 | = | 305 | Sft |
| Sterlizer | 2 | x | 9.250 | + | 18.83 | x | 4.000 | = | 225 | Sft |

| | | | | | | | | | | |
|------------|---|---|---------|---|-------|---|-------|---|-------------|-----|
| Bath | 2 | x | 9.750 | + | 5.73 | x | 4.000 | = | 124 | Sft |
| Single Bed | 2 | x | 15.750 | + | 12.40 | x | 4.000 | = | 225 | Sft |
| Bath | 2 | x | 5.920 | + | 5.73 | x | 4.000 | = | 93 | Sft |
| Ver | 2 | x | 154.880 | + | 5.54 | x | 4.000 | = | 1283 | Sft |
| Total:- | | | | | | | | = | <u>4083</u> | Sft |

2 Dismantling of plain cement concrete 1:2:4

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | | | |
|-------------------|------|---|--------|---|--------|---|-------|---|----|-----|
| Labour room | 1.00 | x | 19.720 | x | 18.83 | x | 0.125 | = | 46 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 5.920 | x | 0.125 | = | 4 | Cft |
| Recovery /Nursing | 1.00 | x | 15.920 | x | 18.83 | x | 0.125 | = | 37 | Cft |
| Sterlizer | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Baby wash | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Dilvery room | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Anesthetist | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Toilet | 1.00 | x | 6.290 | x | 5.92 | x | 0.125 | = | 5 | Cft |
| Nurses | 1.00 | x | 12.375 | x | 18.83 | x | 0.125 | = | 29 | Cft |
| Corridor | 1.00 | x | 90.000 | x | 7.20 | x | 0.125 | = | 81 | Cft |
| Waiting room | 1.00 | x | 12.375 | x | 18.83 | x | 0.125 | = | 29 | Cft |
| Labour room | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Doctor change | 1.00 | x | 5.920 | x | 12.58 | x | 0.125 | = | 9 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 9.92 | x | 0.125 | = | 7 | Cft |
| Nurse change | 1.00 | x | 5.110 | x | 12.58 | x | 0.125 | = | 8 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 9.92 | x | 0.125 | = | 7 | Cft |
| Operation theater | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Sterlizer | 1.00 | x | 9.250 | x | 18.83 | x | 0.125 | = | 22 | Cft |
| Recovery /Nursing | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Doctor change | 1.00 | x | 5.720 | x | 12.58 | x | 0.125 | = | 9 | Cft |
| | 1.00 | x | 5.720 | x | 5.92 | x | 0.125 | = | 4 | Cft |
| Corridor | 1.00 | x | 90.000 | x | 5.54 | x | 0.125 | = | 62 | Cft |
| X-Ray room | 1.00 | x | 15.720 | x | 18.83 | x | 0.125 | = | 37 | Cft |
| Store | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Dark room | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Specimen | 1.00 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Cft |
| Wash room | 1.00 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Cft |
| Labortary | 1.00 | x | 16.720 | x | 18.83 | x | 0.125 | = | 39 | Cft |
| Radio graphy | 1.00 | x | 13.375 | x | 18.83 | x | 0.125 | = | 31 | Cft |
| Toilet | 1.00 | x | 9.000 | x | 6.00 | x | 0.125 | = | 7 | Cft |
| Radio graphy | 1.00 | x | 9.750 | x | 12.50 | x | 0.125 | = | 15 | Cft |
| Corridor | 1.00 | x | 76.000 | x | 7.20 | x | 0.125 | = | 68 | Cft |
| Stair | 1.00 | x | 9.500 | x | 18.83 | x | 0.125 | = | 22 | Cft |
| Waiting room | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Pathologist | 1.00 | x | 19.750 | x | 12.375 | x | 0.125 | = | 31 | Cft |
| Toilet | 1.00 | x | 9.250 | x | 5.72 | x | 0.125 | = | 7 | Cft |
| " " | 1.00 | x | 9.750 | x | 5.83 | x | 0.125 | = | 7 | Cft |
| Dark room | 1.00 | x | 8.375 | x | 16.75 | x | 0.125 | = | 18 | Cft |
| X-Ray room | 1.00 | x | 14.280 | x | 18.83 | x | 0.125 | = | 34 | Cft |
| Corridor | 1.00 | x | 76.000 | x | 5.54 | x | 0.125 | = | 53 | Cft |
| | 1.00 | x | 90.000 | x | 5.54 | x | 0.125 | = | 62 | Cft |
| Medical Store | 1.00 | x | 18.830 | x | 19.00 | x | 0.125 | = | 45 | Cft |
| Dr. Office | 1.00 | x | 20.750 | x | 19.00 | x | 0.125 | = | 49 | Cft |

22
 20

| | | | | | | | | | | |
|--------------------------------------|------|---|---------|---|--------|---|-------|---|---------------|------------|
| Toilet | 1.00 | x | 8.000 | x | 8.00 | x | 0.125 | = | 8 | Cft |
| Gallary | 1 | x | 67.000 | x | 8.00 | x | 0.125 | = | 67 | Sft |
| Operation Theater First Floor | | | | | | | | | | |
| Operation T | 1 | x | 17.730 | x | 18.88 | x | 0.125 | = | 42 | Sft |
| Store | 1 | x | 15.920 | x | 8.375 | x | 0.125 | = | 17 | Sft |
| Scrub Up | 1 | x | 15.920 | x | 9.75 | x | 0.125 | = | 19 | Sft |
| Operation | 1 | x | 29.250 | x | 18.88 | x | 0.125 | = | 69 | Sft |
| Splint | 1 | x | 12.570 | x | 9.75 | x | 0.125 | = | 15 | Sft |
| Clen linen | 1 | x | 12.570 | x | 9.75 | x | 0.125 | = | 15 | Sft |
| Plaster | 1 | x | 12.400 | x | 18.88 | x | 0.125 | = | 29 | Sft |
| Corridor | 1 | x | 89.750 | x | 7.21 | x | 0.125 | = | 81 | Sft |
| Dr. Office | 1 | x | 12.400 | x | 18.88 | x | 0.125 | = | 29 | Sft |
| Dr. Change | 1 | x | 12.570 | x | 18.88 | x | 0.125 | = | 30 | Sft |
| Nurse change | 1 | x | 12.540 | x | 18.88 | x | 0.125 | = | 30 | Sft |
| Inst. Room | 1 | x | 11.540 | x | 18.88 | x | 0.125 | = | 27 | Sft |
| Anesthetist | 1 | x | 8.000 | x | 18.88 | x | 0.125 | = | 19 | Sft |
| Recovery | 1 | x | 29.750 | x | 18.88 | x | 0.125 | = | 70 | Sft |
| Gallary | 1 | x | 56.125 | x | 10.00 | x | 0.125 | = | 70 | Sft |
| Single Bed | 1 | x | 15.730 | x | 18.88 | x | 0.125 | = | 37 | Sft |
| Bath | 1 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Sft |
| Nurse Station | 1 | x | 15.920 | x | 9.75 | x | 0.125 | = | 19 | Sft |
| Single Bed | 1 | x | 16.730 | x | 18.88 | x | 0.125 | = | 39 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Sft |
| Corridor | 1 | x | 52.880 | x | 7.21 | x | 0.125 | = | 48 | Sft |
| Stair Room | 1 | x | 10.000 | x | 18.88 | x | 0.125 | = | 24 | Sft |
| 2-Bed | 1 | x | 19.250 | x | 18.88 | x | 0.125 | = | 45 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | x | 0.125 | = | 7 | Sft |
| Single Bed | 1 | x | 15.750 | x | 12.40 | x | 0.125 | = | 24 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | x | 0.125 | = | 4 | Sft |
| Ver | 1 | x | 154.880 | x | 5.54 | x | 0.125 | = | 107 | Sft |
| Ramp | | | | | | | | | | |
| | 3 | x | 63.370 | x | 16.250 | x | 0.125 | = | 386 | Cft |
| | 1 | x | 10.000 | x | 16.250 | x | 0.125 | = | 20 | Cft |
| Total:- | | | | | | | | | = 2589 | Cft |

- 3 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):
(f) Ratio 1:2:4.

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | | | |
|-------------------|------|---|--------|---|-------|---|-------|---|----|-----|
| Labour room | 1.00 | x | 19.720 | x | 18.83 | x | 0.125 | = | 46 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 5.920 | x | 0.125 | = | 4 | Cft |
| Recovery /Nursing | 1.00 | x | 15.920 | x | 18.83 | x | 0.125 | = | 37 | Cft |
| Sterlizer | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Baby wash | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Dilvery room | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Anesthetist | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Toilet | 1.00 | x | 6.290 | x | 5.92 | x | 0.125 | = | 5 | Cft |
| Nurses | 1.00 | x | 12.375 | x | 18.83 | x | 0.125 | = | 29 | Cft |
| Corridor | 1.00 | x | 90.000 | x | 7.20 | x | 0.125 | = | 81 | Cft |
| Waiting room | 1.00 | x | 12.375 | x | 18.83 | x | 0.125 | = | 29 | Cft |

| | | | | | | | | | | |
|--------------------------------------|------|---|--------|---|--------|---|-------|---|----|-----|
| Labour room | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Doctor change | 1.00 | x | 5.920 | x | 12.58 | x | 0.125 | = | 9 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 9.92 | x | 0.125 | = | 7 | Cft |
| Nurse change | 1.00 | x | 5.110 | x | 12.58 | x | 0.125 | = | 8 | Cft |
| Toilet | 1.00 | x | 5.920 | x | 9.92 | x | 0.125 | = | 7 | Cft |
| Operation theater | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Sterlizer | 1.00 | x | 9.250 | x | 18.83 | x | 0.125 | = | 22 | Cft |
| Recovery /Nursing | 1.00 | x | 12.580 | x | 18.83 | x | 0.125 | = | 30 | Cft |
| Doctor change | 1.00 | x | 5.720 | x | 12.58 | x | 0.125 | = | 9 | Cft |
| | 1.00 | x | 5.720 | x | 5.92 | x | 0.125 | = | 4 | Cft |
| Corridor | 1.00 | x | 90.000 | x | 5.54 | x | 0.125 | = | 62 | Cft |
| X-Ray room | 1.00 | x | 15.720 | x | 18.83 | x | 0.125 | = | 37 | Cft |
| Store | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Dark room | 1.00 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Cft |
| Specimen | 1.00 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Cft |
| Wash room | 1.00 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Cft |
| Labortary | 1.00 | x | 16.720 | x | 18.83 | x | 0.125 | = | 39 | Cft |
| Radio graphy | 1.00 | x | 13.375 | x | 18.83 | x | 0.125 | = | 31 | Cft |
| Toilet | 1.00 | x | 9.000 | x | 6.00 | x | 0.125 | = | 7 | Cft |
| Radio graphy | 1.00 | x | 9.750 | x | 12.50 | x | 0.125 | = | 15 | Cft |
| Corridor | 1.00 | x | 76.000 | x | 7.20 | x | 0.125 | = | 68 | Cft |
| Stair | 1.00 | x | 9.500 | x | 18.83 | x | 0.125 | = | 22 | Cft |
| Waiting room | 1.00 | x | 19.250 | x | 18.83 | x | 0.125 | = | 45 | Cft |
| Pathologist | 1.00 | x | 19.750 | x | 12.375 | x | 0.125 | = | 31 | Cft |
| Toilet | 1.00 | x | 9.250 | x | 5.72 | x | 0.125 | = | 7 | Cft |
| " " | 1.00 | x | 9.750 | x | 5.83 | x | 0.125 | = | 7 | Cft |
| Dark room | 1.00 | x | 8.375 | x | 16.75 | x | 0.125 | = | 18 | Cft |
| X-Ray room | 1.00 | x | 14.280 | x | 18.83 | x | 0.125 | = | 34 | Cft |
| Corridor | 1.00 | x | 76.000 | x | 5.54 | x | 0.125 | = | 53 | Cft |
| | 1.00 | x | 90.000 | x | 5.54 | x | 0.125 | = | 62 | Cft |
| Medical Store | 1.00 | x | 18.830 | x | 19.00 | x | 0.125 | = | 45 | Cft |
| Dr. Office | 1.00 | x | 20.750 | x | 19.00 | x | 0.125 | = | 49 | Cft |
| Toilet | 1.00 | x | 8.000 | x | 8.00 | x | 0.125 | = | 8 | Cft |
| Gallary | 1 | x | 67.000 | x | 8.00 | x | 0.125 | = | 67 | Sft |
| Operation Theater First Floor | | | | | | | | | | |
| Operation T | 1 | x | 17.730 | x | 18.88 | x | 0.125 | = | 42 | Sft |
| Store | 1 | x | 15.920 | x | 8.375 | x | 0.125 | = | 17 | Sft |
| Scrub Up | 1 | x | 15.920 | x | 9.75 | x | 0.125 | = | 19 | Sft |
| Operation | 1 | x | 29.250 | x | 18.88 | x | 0.125 | = | 69 | Sft |
| Splint | 1 | x | 12.570 | x | 9.75 | x | 0.125 | = | 15 | Sft |
| Clen linen | 1 | x | 12.570 | x | 9.75 | x | 0.125 | = | 15 | Sft |
| Plaster | 1 | x | 12.400 | x | 18.88 | x | 0.125 | = | 29 | Sft |
| Corridor | 1 | x | 89.750 | x | 7.21 | x | 0.125 | = | 81 | Sft |
| Dr. Office | 1 | x | 12.400 | x | 18.88 | x | 0.125 | = | 29 | Sft |
| Dr.Change | 1 | x | 12.570 | x | 18.88 | x | 0.125 | = | 30 | Sft |
| Nurse change | 1 | x | 12.540 | x | 18.88 | x | 0.125 | = | 30 | Sft |
| Inst. Room | 1 | x | 11.540 | x | 18.88 | x | 0.125 | = | 27 | Sft |
| Anesthetist | 1 | x | 8.000 | x | 18.88 | x | 0.125 | = | 19 | Sft |
| Recovery | 1 | x | 29.750 | x | 18.88 | x | 0.125 | = | 70 | Sft |
| Gallary | 1 | x | 56.125 | x | 10.00 | x | 0.125 | = | 70 | Sft |
| Single Bed | 1 | x | 15.730 | x | 18.88 | x | 0.125 | = | 37 | Sft |

| | | | | | | | | | | |
|----------------|---|---|---------|---|--------|---|-------|---|---------------|------------|
| Bath | 1 | x | 9.250 | x | 9.75 | x | 0.125 | = | 11 | Sft |
| Nurse Station | 1 | x | 15.920 | x | 9.75 | x | 0.125 | = | 19 | Sft |
| Single Bed | 1 | x | 16.730 | x | 18.88 | x | 0.125 | = | 39 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | x | 0.125 | = | 7 | Sft |
| Corridor | 1 | x | 52.880 | x | 7.21 | x | 0.125 | = | 48 | Sft |
| Stair Room | 1 | x | 10.000 | x | 18.88 | x | 0.125 | = | 24 | Sft |
| 2-Bed | 1 | x | 19.250 | x | 18.88 | x | 0.125 | = | 45 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | x | 0.125 | = | 7 | Sft |
| Single Bed | 1 | x | 15.750 | x | 12.40 | x | 0.125 | = | 24 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | x | 0.125 | = | 4 | Sft |
| Ver | 1 | x | 154.880 | x | 5.54 | x | 0.125 | = | 107 | Sft |
| Ramp | | | | | | | | | | |
| | 3 | x | 63.370 | x | 16.250 | x | 0.125 | = | 386 | Cft |
| | 1 | x | 10.000 | x | 16.250 | x | 0.125 | = | 20 | Cft |
| Total:- | | | | | | | | | = 2589 | Cft |

4 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.
Full body Glazed tiles (ii) 600mmx 600 mm.

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | |
|------------------------------|-----------------|--------------|-------------------|--------------|------------------|--------------|----------------|----------------|
| Labour room | 1.00 | x | 19.720 | x | 18.83 | = | 371 | Sft |
| Recovery /Nursing | 1.00 | x | 15.920 | x | 18.83 | = | 300 | Sft |
| Sterlizer | 1.00 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Baby wash | 1.00 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Delivery room | 1.00 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Anesthetist | 1.00 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Nurses | 1.00 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Corridor | 1.00 | x | 90.000 | x | 7.20 | = | 648 | Sft |
| Waiting room | 1.00 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Labour room | 1.00 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1.00 | x | 5.920 | x | 12.58 | = | 74 | Sft |
| Nurse change | 1.00 | x | 5.110 | x | 12.58 | = | 64 | Sft |
| Operation theater | 1.00 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Sterlizer | 1.00 | x | 9.250 | x | 18.83 | = | 174 | Sft |
| Recovery /Nursing | 1.00 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1.00 | x | 5.720 | x | 12.58 | = | 72 | Sft |
| | 1.00 | x | 5.720 | x | 5.92 | = | 34 | Sft |
| Corridor | 1.00 | x | 90.000 | x | 5.54 | = | 499 | Sft |
| X-Ray room | 1.00 | x | 15.720 | x | 18.83 | = | 296 | Sft |
| Store | 1.00 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Dark room | 1.00 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Specimen | 1.00 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Wash room | 1.00 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Labortary | 1.00 | x | 16.720 | x | 18.83 | = | 315 | Sft |
| Radio graphy | 1.00 | x | 13.375 | x | 18.83 | = | 252 | Sft |
| Radio graphy | 1.00 | x | 9.750 | x | 12.50 | = | 122 | Sft |
| Corridor | 1.00 | x | 76.000 | x | 7.20 | = | 547 | Sft |

25
23

| | | | | | | | | |
|---------------|------|---|--------|---|--------|---|-----|-----|
| Stair | 1.00 | x | 9.500 | x | 18.83 | = | 179 | Sft |
| Waiting room | 1.00 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Pathologist | 1.00 | x | 19.750 | x | 12.375 | = | 244 | Sft |
| Dark room | 1.00 | x | 8.375 | x | 16.75 | = | 140 | Sft |
| X-Ray room | 1.00 | x | 14.280 | x | 18.83 | = | 269 | Sft |
| Corridor | 1.00 | x | 76.000 | x | 5.54 | = | 421 | Sft |
| | 1.00 | x | 90.000 | x | 5.54 | = | 499 | Sft |
| Medical Store | 1.00 | x | 18.830 | x | 19.00 | = | 358 | Sft |
| Dr. Office | 1.00 | x | 20.750 | x | 19.00 | = | 394 | Sft |
| Gallary | 1 | x | 67.000 | x | 8.00 | = | 536 | Sft |

Operation Theater First Floor

| | | | | | | | | |
|---------------|---|---|---------|---|-------|---|-----|-----|
| Operation | 1 | x | 17.730 | x | 18.88 | = | 335 | Sft |
| Store | 1 | x | 15.920 | x | 8.375 | = | 133 | Sft |
| Scrub Up | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Operation | 1 | x | 29.250 | x | 18.88 | = | 552 | Sft |
| Splint | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Clen linen | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Plaster | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Corridor | 1 | x | 89.750 | x | 7.21 | = | 647 | Sft |
| Dr. Office | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Dr. Change | 1 | x | 12.570 | x | 18.88 | = | 237 | Sft |
| Nurse change | 1 | x | 12.540 | x | 18.88 | = | 237 | Sft |
| Inst. Room | 1 | x | 11.540 | x | 18.88 | = | 218 | Sft |
| Anesthetist | 1 | x | 8.000 | x | 18.88 | = | 151 | Sft |
| Recovery | 1 | x | 29.750 | x | 18.88 | = | 562 | Sft |
| Gallary | 1 | x | 56.125 | x | 10.00 | = | 561 | Sft |
| Single Bed | 1 | x | 15.730 | x | 18.88 | = | 297 | Sft |
| Bath | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Nurse Station | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Single Bed | 1 | x | 16.730 | x | 18.88 | = | 316 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Corridor | 1 | x | 52.880 | x | 7.21 | = | 381 | Sft |
| Stair Room | 1 | x | 10.000 | x | 18.88 | = | 189 | Sft |
| 2-Bed | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | = | 56 | Sft |
| Single Bed | 1 | x | 15.750 | x | 12.40 | = | 195 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | = | 34 | Sft |
| Ver | 1 | x | 154.880 | x | 5.54 | = | 858 | Sft |

Total:- = 17042 Sft

16107

5 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respects approved and directed by the Engineer Incharge.

a) Full body Glazed Tile (ii) 600mm x 600 mm

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | | | |
|-------------------|---|---|--------|---|-------|---|-------|---|-----|-----|
| Labour room | 2 | x | 19.720 | x | 18.83 | x | 4.000 | = | 308 | Sft |
| Recovery /Nursing | 2 | x | 15.920 | x | 18.83 | x | 4.000 | = | 278 | Sft |
| Sterlizer | 2 | x | 9.250 | x | 9.75 | x | 4.000 | = | 152 | Sft |
| Baby wash | 2 | x | 9.250 | x | 9.75 | x | 4.000 | = | 152 | Sft |

26
24

| | | | | | | | | | | |
|---------------------------------------------|--------------|--------------|-------------------|--------------|------------------|--------------|------------------|--------------|----------------|----------------|
| Delivery room | 2 | x | 19.250 | + | 18.83 | x | 4.000 | = | 305 | Sft |
| Anesthetist | 2 | x | 12.580 | + | 18.83 | x | 4.000 | = | 251 | Sft |
| Nurses | 2 | x | 12.375 | + | 18.83 | x | 4.000 | = | 250 | Sft |
| Corridor | 2 | x | 90.000 | + | 7.20 | x | 4.000 | = | 778 | Sft |
| Waiting room | 2 | x | 12.375 | + | 18.83 | x | 4.000 | = | 250 | Sft |
| Labour room | 2 | x | 12.580 | + | 18.83 | x | 4.000 | = | 251 | Sft |
| Doctor change | 2 | x | 5.920 | + | 12.58 | x | 4.000 | = | 148 | Sft |
| Nurse change | 2 | x | 5.110 | + | 12.58 | x | 4.000 | = | 142 | Sft |
| Operation theater | 2 | x | 19.250 | + | 18.83 | x | 4.000 | = | 305 | Sft |
| Sterilizer | 2 | x | 9.250 | + | 18.83 | x | 4.000 | = | 225 | Sft |
| Recovery /Nursing | 2 | x | 12.580 | + | 18.83 | x | 4.000 | = | 251 | Sft |
| Doctor change | 2 | x | 5.720 | + | 12.58 | x | 4.000 | = | 146 | Sft |
| | 2 | x | 5.720 | + | 5.92 | x | 4.000 | = | 93 | Sft |
| Corridor | 2 | x | 90.000 | + | 5.54 | x | 4.000 | = | 764 | Sft |
| X-Ray room | 2 | x | 15.720 | + | 18.83 | x | 4.000 | = | 276 | Sft |
| Store | 2 | x | 9.250 | + | 9.75 | x | 4.000 | = | 152 | Sft |
| Dark room | 2 | x | 9.250 | + | 9.75 | x | 4.000 | = | 152 | Sft |
| Specimen | 2 | x | 5.920 | + | 9.75 | x | 4.000 | = | 125 | Sft |
| Wash room | 2 | x | 5.920 | + | 9.75 | x | 4.000 | = | 125 | Sft |
| Labortary | 2 | x | 16.720 | + | 18.83 | x | 4.000 | = | 284 | Sft |
| Radio graphy | 2 | x | 13.375 | + | 18.83 | x | 4.000 | = | 258 | Sft |
| Radio graphy | 2 | x | 9.750 | + | 12.50 | x | 4.000 | = | 178 | Sft |
| Corridor | 2 | x | 76.000 | + | 7.20 | x | 4.000 | = | 666 | Sft |
| Stair | 2 | x | 9.500 | + | 18.83 | x | 4.000 | = | 227 | Sft |
| Waiting room | 2 | x | 19.250 | + | 18.83 | x | 4.000 | = | 305 | Sft |
| Pathologist | 2 | x | 19.750 | + | 12.375 | x | 4.000 | = | 257 | Sft |
| Dark room | 2 | x | 8.375 | + | 16.75 | x | 4.000 | = | 201 | Sft |
| X-Ray room | 2 | x | 14.280 | + | 18.83 | x | 4.000 | = | 265 | Sft |
| Corridor | 2 | x | 76.000 | + | 5.54 | x | 4.000 | = | 652 | Sft |
| | 2 | x | 90.000 | + | 5.54 | x | 4.000 | = | 764 | Sft |
| Medical Store | 2 | x | 18.830 | + | 19.00 | x | 4.000 | = | 303 | Sft |
| Dr. Office | 2 | x | 20.750 | + | 19.00 | x | 4.000 | = | 318 | Sft |
| Gallary | 2 | x | 67.000 | + | 8.00 | x | 4.000 | = | 600 | Sft |
| <u>Operation Theater First Floor</u> | | | | | | | | | | |
| Operation . T | 2 | x | 17.730 | + | 18.88 | x | 4.000 | = | 293 | Sft |
| Store | 2 | x | 15.920 | + | 8.375 | x | 4.000 | = | 194 | Sft |
| Scrub Up | 2 | x | 15.920 | + | 9.75 | x | 4.000 | = | 205 | Sft |
| Operation | 2 | x | 29.250 | + | 18.88 | x | 4.000 | = | 385 | Sft |
| Splint | 2 | x | 12.570 | + | 9.75 | x | 4.000 | = | 179 | Sft |
| Clen linen | 2 | x | 12.570 | + | 9.75 | x | 4.000 | = | 179 | Sft |
| Plaster | 2 | x | 12.400 | + | 18.88 | x | 4.000 | = | 250 | Sft |
| Corridor | 2 | x | 89.750 | + | 7.21 | x | 4.000 | = | 776 | Sft |
| Dr. Office | 2 | x | 12.400 | + | 18.88 | x | 4.000 | = | 250 | Sft |
| Dr.Change | 2 | x | 12.570 | + | 18.88 | x | 4.000 | = | 252 | Sft |
| Nurse change | 2 | x | 12.540 | + | 18.88 | x | 4.000 | = | 251 | Sft |
| Inst . Room | 2 | x | 11.540 | + | 18.88 | x | 4.000 | = | 243 | Sft |
| Anesthetist | 2 | x | 8.000 | + | 18.88 | x | 4.000 | = | 215 | Sft |
| Recovery | 2 | x | 29.750 | + | 18.88 | x | 4.000 | = | 389 | Sft |
| Gallary | 2 | x | 56.125 | + | 10.00 | x | 4.000 | = | 529 | Sft |
| Single Bed | 2 | x | 15.730 | + | 18.88 | x | 4.000 | = | 277 | Sft |
| Bath | 2 | x | 9.250 | + | 9.75 | x | 4.000 | = | 152 | Sft |

| | | | | | | | | | | |
|-----------------|--------------|--------------|------------------|--------------|-----------------|--------------|------------------|--------------|----------------|----------------|
| Nurse Station | 2 | x | 15.920 | + | 9.75 | x | 4.000 | = | 205 | Sft |
| Single Bed | 2 | x | 16.730 | + | 18.88 | x | 4.000 | = | 285 | Sft |
| Bath | 2 | x | 5.920 | + | 9.75 | x | 4.000 | = | 125 | Sft |
| Corridor | 2 | x | 52.880 | + | 7.21 | x | 4.000 | = | 481 | Sft |
| Stair Room | 2 | x | 10.000 | + | 18.88 | x | 4.000 | = | 231 | Sft |
| 2-Bed | 2 | x | 19.250 | + | 18.88 | x | 4.000 | = | 305 | Sft |
| Bath | 2 | x | 9.750 | + | 5.73 | x | 4.000 | = | 124 | Sft |
| Single Bed | 2 | x | 15.750 | + | 12.40 | x | 4.000 | = | 225 | Sft |
| Bath | 2 | x | 5.920 | + | 5.73 | x | 4.000 | = | 93 | Sft |
| Ver | 2 | x | 154.880 | + | 5.54 | x | 4.000 | = | 1283 | Sft |
| Total:- | | | | | | | | | 19533 | Sft |

D/d Openy 2x57x3-5x4.10

183.07-1596 = 16708.8p

- 6 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36".

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | |
|--------|---|---|-------|---|-------|---|----|-----|
| Toilet | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| Toilet | 1 | x | 6.290 | x | 5.92 | = | 37 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Toilet | 1 | x | 9.000 | x | 6.00 | = | 54 | Sft |
| Toilet | 1 | x | 9.250 | x | 5.72 | = | 53 | Sft |
| " " | 1 | x | 9.750 | x | 5.83 | = | 57 | Sft |
| Toilet | 1 | x | 8.000 | x | 8.00 | = | 64 | Sft |

Operation Theater First Floor

| | | | | | | | | |
|---------|---|---|-------|---|------|---|-----|-----|
| Bath | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | = | 56 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | = | 34 | Sft |
| Total:- | | | | | | = | 713 | Sft |

- 7 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy / Matt / Texture / skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | | | |
|--------|---|---|-------|---|-------|---|-------|---|-----|-----|
| Toilet | 2 | x | 5.920 | + | 5.920 | x | 7.000 | = | 166 | Sft |
| Toilet | 2 | x | 6.290 | + | 5.92 | x | 7.000 | = | 171 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 7.000 | = | 222 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 7.000 | = | 222 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.75 | x | 7.000 | = | 219 | Sft |
| Toilet | 2 | x | 9.000 | + | 6.00 | x | 7.000 | = | 210 | Sft |
| Toilet | 2 | x | 9.250 | + | 5.72 | x | 7.000 | = | 210 | Sft |
| " " | 2 | x | 9.750 | + | 5.83 | x | 7.000 | = | 218 | Sft |
| Toilet | 2 | x | 8.000 | + | 8.00 | x | 7.000 | = | 224 | Sft |

(28)

(26)

Operation Theater First Floor

| | | | | | | | | | | |
|---------|---|---|-------|---|------|---|-------|---|------|-----|
| Bath | 2 | x | 9.250 | + | 9.75 | x | 7.000 | = | 266 | Sft |
| Bath | 2 | x | 5.920 | + | 9.75 | x | 7.000 | = | 219 | Sft |
| Bath | 2 | x | 9.750 | + | 5.73 | x | 7.000 | = | 217 | Sft |
| Bath | 2 | x | 5.920 | + | 5.73 | x | 7.000 | = | 93 | Sft |
| Total:- | | | | | | | | | 2657 | Sft |

Hd doors.

2x13x2.5x7 =

-455

8 Preparing surface and painting with emulsion paint:- w/c scraping

2202 sq

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | |
|-------------------|---|---|--------|---|--------|---|-----|-----|
| Labour room | 1 | x | 19.720 | x | 18.83 | = | 371 | Sft |
| Toilet | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| Recovery /Nursing | 1 | x | 15.920 | x | 18.83 | = | 300 | Sft |
| Sterlizer | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Baby wash | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Dilvery room | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Anesthetist | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Toilet | 1 | x | 6.290 | x | 5.92 | = | 37 | Sft |
| Nurses | 1 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Corridor | 1 | x | 90.000 | x | 7.20 | = | 648 | Sft |
| Waiting room | 1 | x | 12.375 | x | 18.83 | = | 233 | Sft |
| Labour room | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1 | x | 5.920 | x | 12.58 | = | 74 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Nurse change | 1 | x | 5.110 | x | 12.58 | = | 64 | Sft |
| Toilet | 1 | x | 5.920 | x | 9.92 | = | 59 | Sft |
| Operation theater | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Sterlizer | 1 | x | 9.250 | x | 18.83 | = | 174 | Sft |
| Recovery /Nursing | 1 | x | 12.580 | x | 18.83 | = | 237 | Sft |
| Doctor change | 1 | x | 5.720 | x | 12.58 | = | 72 | Sft |
| | 1 | x | 5.720 | x | 5.92 | = | 34 | Sft |
| Corridor | 1 | x | 90.000 | x | 5.54 | = | 499 | Sft |
| X-Ray room | 1 | x | 15.720 | x | 18.83 | = | 296 | Sft |
| Store | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Dark room | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Specimen | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Wash room | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Labortary | 1 | x | 16.720 | x | 18.83 | = | 315 | Sft |
| Radio graphy | 1 | x | 13.375 | x | 18.83 | = | 252 | Sft |
| Toilet | 1 | x | 9.000 | x | 6.00 | = | 54 | Sft |
| Radio graphy | 1 | x | 9.750 | x | 12.50 | = | 122 | Sft |
| Corridor | 1 | x | 76.000 | x | 7.20 | = | 547 | Sft |
| Stair | 1 | x | 9.500 | x | 18.83 | = | 179 | Sft |
| Waiting room | 1 | x | 19.250 | x | 18.83 | = | 362 | Sft |
| Pathologist | 1 | x | 19.750 | x | 12.375 | = | 244 | Sft |
| Toilet | 1 | x | 9.250 | x | 5.72 | = | 53 | Sft |
| " " | 1 | x | 9.750 | x | 5.83 | = | 57 | Sft |
| Dark room | 1 | x | 8.375 | x | 16.75 | = | 140 | Sft |
| X-Ray room | 1 | x | 14.280 | x | 18.83 | = | 269 | Sft |
| Corridor | 1 | x | 76.000 | x | 5.54 | = | 421 | Sft |
| | 1 | x | 90.000 | x | 5.54 | = | 499 | Sft |

29
27

| | | | | | | | | |
|---------------|---|---|--------|---|--------|---|------|-----|
| Medical Store | 1 | x | 18.830 | x | 19.00 | = | 358 | Sft |
| Dr. Office | 1 | x | 20.750 | x | 19.00 | = | 394 | Sft |
| Toilet | 1 | x | 8.000 | x | 8.00 | = | 64 | Sft |
| Gallary | 1 | x | 67.000 | x | 8.00 | = | 536 | Sft |
| Ramp | | | | | | | | |
| | 3 | x | 63.370 | x | 16.250 | = | 3089 | Sft |
| | 1 | x | 10.000 | x | 16.250 | = | 163 | Sft |

X-Ray & Ultra Sound Ward Ground Floor

| | | | | | | | | | | |
|-------------------|---|---|--------|---|--------|---|-------|---|------|-----|
| Labour room | 2 | x | 19.720 | + | 18.83 | x | 8.000 | = | 617 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.920 | x | 5.000 | = | 118 | Sft |
| Recovery /Nursing | 2 | x | 15.920 | + | 18.83 | x | 8.000 | = | 556 | Sft |
| Sterlizer | 2 | x | 9.250 | + | 9.75 | x | 8.000 | = | 304 | Sft |
| Baby wash | 2 | x | 9.250 | + | 9.75 | x | 8.000 | = | 304 | Sft |
| Dilvery room | 2 | x | 19.250 | + | 18.83 | x | 8.000 | = | 609 | Sft |
| Anesthetist | 2 | x | 12.580 | + | 18.83 | x | 8.000 | = | 503 | Sft |
| Toilet | 2 | x | 6.290 | + | 5.92 | x | 5.000 | = | 122 | Sft |
| Nurses | 2 | x | 12.375 | + | 18.83 | x | 8.000 | = | 499 | Sft |
| Corridor | 2 | x | 90.000 | + | 7.20 | x | 8.000 | = | 1555 | Sft |
| Waiting room | 2 | x | 12.375 | + | 18.83 | x | 8.000 | = | 499 | Sft |
| Labour room | 2 | x | 12.580 | + | 18.83 | x | 8.000 | = | 503 | Sft |
| Doctor change | 2 | x | 5.920 | + | 12.58 | x | 8.000 | = | 296 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 5.000 | = | 158 | Sft |
| Nurse change | 2 | x | 5.110 | + | 12.58 | x | 8.000 | = | 283 | Sft |
| Toilet | 2 | x | 5.920 | + | 9.92 | x | 5.000 | = | 158 | Sft |
| Operation theater | 2 | x | 19.250 | + | 18.83 | x | 8.000 | = | 609 | Sft |
| Sterlizer | 2 | x | 9.250 | + | 18.83 | x | 8.000 | = | 449 | Sft |
| Recovery /Nursing | 2 | x | 12.580 | + | 18.83 | x | 8.000 | = | 503 | Sft |
| Doctor change | 2 | x | 5.720 | + | 12.58 | x | 8.000 | = | 293 | Sft |
| | 2 | x | 5.720 | + | 5.92 | x | 8.000 | = | 186 | Sft |
| Corridor | 2 | x | 90.000 | + | 5.54 | x | 8.000 | = | 1529 | Sft |
| X-Ray room | 2 | x | 15.720 | + | 18.83 | x | 8.000 | = | 553 | Sft |
| Store | 2 | x | 9.250 | + | 9.75 | x | 8.000 | = | 304 | Sft |
| Dark room | 2 | x | 9.250 | + | 9.75 | x | 8.000 | = | 304 | Sft |
| Specimen | 2 | x | 5.920 | + | 9.75 | x | 8.000 | = | 251 | Sft |
| Wash room | 2 | x | 5.920 | + | 9.75 | x | 8.000 | = | 251 | Sft |
| Labortary | 2 | x | 16.720 | + | 18.83 | x | 8.000 | = | 569 | Sft |
| Radio graphy | 2 | x | 13.375 | + | 18.83 | x | 8.000 | = | 515 | Sft |
| Toilet | 2 | x | 9.000 | + | 6.00 | x | 5.000 | = | 150 | Sft |
| Radio graphy | 2 | x | 9.750 | + | 12.50 | x | 8.000 | = | 356 | Sft |
| Corridor | 2 | x | 76.000 | + | 7.20 | x | 8.000 | = | 1331 | Sft |
| Stair | 2 | x | 9.500 | + | 18.83 | x | 8.000 | = | 453 | Sft |
| Waiting room | 2 | x | 19.250 | + | 18.83 | x | 8.000 | = | 609 | Sft |
| Pathologist | 2 | x | 19.750 | + | 12.375 | x | 8.000 | = | 514 | Sft |
| Toilet | 2 | x | 9.250 | + | 5.72 | x | 5.000 | = | 150 | Sft |
| " " | 2 | x | 9.750 | + | 5.83 | x | 5.000 | = | 156 | Sft |
| Dark room | 2 | x | 8.375 | + | 16.75 | x | 8.000 | = | 402 | Sft |
| X-Ray room | 2 | x | 14.280 | + | 18.83 | x | 8.000 | = | 530 | Sft |
| Corridor | 2 | x | 76.000 | + | 5.54 | x | 8.000 | = | 1305 | Sft |
| | 2 | x | 90.000 | + | 5.54 | x | 8.000 | = | 1529 | Sft |
| Medical Store | 2 | x | 18.830 | + | 19.00 | x | 8.000 | = | 605 | Sft |

30
28

| | | | | | | | | | | |
|------------|---|---|--------|---|-------|---|-------|---|-----|-----|
| Dr. Office | 2 | x | 20.750 | + | 19.00 | x | 8.000 | = | 636 | Sft |
| Toilet | 2 | x | 8.000 | + | 8.00 | x | 5.000 | = | 160 | Sft |
| Gallary | 1 | x | 67.000 | + | 8.00 | x | 8.000 | = | 600 | Sft |

Operation Theater First Floor

| | | | | | | | | |
|---------------|---|---|---------|---|-------|---|-----|-----|
| Operation T | 1 | x | 17.730 | x | 18.88 | = | 335 | Sft |
| Store | 1 | x | 15.920 | x | 8.375 | = | 133 | Sft |
| Scrub Up | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Operation | 1 | x | 29.250 | x | 18.88 | = | 552 | Sft |
| Splint | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Clen linen | 1 | x | 12.570 | x | 9.75 | = | 123 | Sft |
| Plaster | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Corridor | 1 | x | 89.750 | x | 7.21 | = | 647 | Sft |
| Dr. Office | 1 | x | 12.400 | x | 18.88 | = | 234 | Sft |
| Dr. Change | 1 | x | 12.570 | x | 18.88 | = | 237 | Sft |
| Nurse change | 1 | x | 12.540 | x | 18.88 | = | 237 | Sft |
| Inst. Room | 1 | x | 11.540 | x | 18.88 | = | 218 | Sft |
| Anesthetist | 1 | x | 8.000 | x | 18.88 | = | 151 | Sft |
| Recovery | 1 | x | 29.750 | x | 18.88 | = | 562 | Sft |
| Gallary | 1 | x | 56.125 | x | 10.00 | = | 561 | Sft |
| Single Bed | 1 | x | 15.730 | x | 18.88 | = | 297 | Sft |
| Bath | 1 | x | 9.250 | x | 9.75 | = | 90 | Sft |
| Nurse Station | 1 | x | 15.920 | x | 9.75 | = | 155 | Sft |
| Single Bed | 1 | x | 16.730 | x | 18.88 | = | 316 | Sft |
| Bath | 1 | x | 5.920 | x | 9.75 | = | 58 | Sft |
| Corridor | 1 | x | 52.880 | x | 7.21 | = | 381 | Sft |
| Stair Room | 1 | x | 10.000 | x | 18.88 | = | 189 | Sft |
| 2-Bed | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Bath | 1 | x | 9.750 | x | 5.73 | = | 56 | Sft |
| Single Bed | 1 | x | 15.750 | x | 12.40 | = | 195 | Sft |
| Bath | 1 | x | 5.920 | x | 5.73 | = | 34 | Sft |
| Ver | 1 | x | 154.880 | x | 5.54 | = | 858 | Sft |

Operation Theater First Floor

| | | | | | | | | | | |
|---------------|---|---|--------|---|-------|---|-------|---|------|-----|
| Operation T | 2 | x | 17.730 | + | 18.88 | x | 8.000 | = | 586 | Sft |
| Store | 2 | x | 15.920 | + | 8.375 | x | 8.000 | = | 389 | Sft |
| Scrub Up | 2 | x | 15.920 | + | 9.75 | x | 8.000 | = | 411 | Sft |
| Operation | 2 | x | 29.250 | + | 18.88 | x | 8.000 | = | 770 | Sft |
| Splint | 2 | x | 12.570 | + | 9.75 | x | 8.000 | = | 357 | Sft |
| Clen linen | 2 | x | 12.570 | + | 9.75 | x | 8.000 | = | 357 | Sft |
| Plaster | 2 | x | 12.400 | + | 18.88 | x | 8.000 | = | 500 | Sft |
| Corridor | 2 | x | 89.750 | + | 7.21 | x | 8.000 | = | 1551 | Sft |
| Dr. Office | 2 | x | 12.400 | + | 18.88 | x | 8.000 | = | 500 | Sft |
| Dr. Change | 2 | x | 12.570 | + | 18.88 | x | 8.000 | = | 503 | Sft |
| Nurse change | 2 | x | 12.540 | + | 18.88 | x | 8.000 | = | 503 | Sft |
| Inst. Room | 2 | x | 11.540 | + | 18.88 | x | 8.000 | = | 487 | Sft |
| Anesthetist | 2 | x | 8.000 | + | 18.88 | x | 8.000 | = | 430 | Sft |
| Recovery | 2 | x | 29.750 | + | 18.88 | x | 8.000 | = | 778 | Sft |
| Gallary | 2 | x | 56.125 | + | 10.00 | x | 8.000 | = | 1058 | Sft |
| Single Bed | 2 | x | 15.730 | + | 18.88 | x | 8.000 | = | 554 | Sft |
| Bath | 2 | x | 9.250 | + | 9.75 | x | 5.000 | = | 190 | Sft |
| Nurse Station | 2 | x | 15.920 | + | 9.75 | x | 8.000 | = | 411 | Sft |
| Single Bed | 2 | x | 16.730 | + | 18.88 | x | 8.000 | = | 570 | Sft |

| | | | | | | | | | | |
|------------|---|---|---------|---|-------|---|-------|---|------|-----|
| Bath | 2 | x | 5.920 | + | 9.75 | x | 5.000 | = | 157 | Sft |
| Corridor | 2 | x | 52.880 | + | 7.21 | x | 8.000 | = | 961 | Sft |
| Stair Room | 2 | x | 10.000 | + | 18.88 | x | 8.000 | = | 462 | Sft |
| 2-Bed | 2 | x | 19.250 | + | 18.88 | x | 8.000 | = | 610 | Sft |
| Bath | 2 | x | 9.750 | + | 5.73 | x | 5.000 | = | 155 | Sft |
| Single Bed | 2 | x | 15.750 | + | 12.40 | x | 8.000 | = | 450 | Sft |
| Bath | 2 | x | 5.920 | + | 5.73 | x | 5.000 | = | 117 | Sft |
| Ver | 2 | x | 154.880 | + | 5.54 | x | 8.000 | = | 2567 | Sft |

Handwritten: 72 x 3.5 x 4.00 = 1008 sf

Total:- = 59980 Sft

9 P/Applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect old surface after scraping.

X-Ray & Ultra Sound Ward Ground Floor

2.00 x 176.000 + 49.450 x 15.000 = 6764 Sft

Operation Theater First Floor

2.00 x 150.000 + 49.450 x 16.000 = 6382 Sft

Total:- = 13146 Sft

D/d window

| | | | | | | | | |
|------------|----|---|------|---|------|---|-----|-----|
| G.F | 2 | x | 2.50 | x | 4.00 | = | 20 | Sft |
| | 16 | x | 2.50 | x | 5.50 | = | 220 | Sft |
| | 4 | x | 2.50 | x | 3.50 | = | 35 | Sft |
| | 1 | x | 4 | x | 4.00 | = | 16 | Sft |
| | 6 | x | 5.75 | x | 5.50 | = | 190 | Sft |
| | 1 | x | 5.75 | x | 3.5 | = | 20 | Sft |
| | 1 | x | 2.5 | x | 1.5 | = | 4 | Sft |
| | 1 | x | 2.50 | x | 3.75 | = | 9 | Sft |
| | 1 | x | 1.75 | x | 1 | = | 2 | Sft |
| | 1 | x | 1 | x | 1 | = | 1 | Sft |

F.F

| | | | | | | | | |
|--|----|---|------|---|------|---|-----|-----|
| | 25 | x | 2.50 | x | 5.50 | = | 344 | Sft |
| | 9 | x | 5.75 | x | 5.50 | = | 285 | Sft |
| | 3 | x | 2.5 | x | 3.00 | = | 23 | Sft |
| | 3 | x | 2.5 | x | 3.25 | = | 24 | Sft |

Total:- = 1192 Sft

10 Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer

Incharge
(i) 15 " wide

| | | | | | | | | |
|------|---|---|-------|---|------|---|-----|-----|
| D-6 | 2 | x | 3.500 | x | 8.50 | = | 60 | Sft |
| D-4 | 2 | x | 5.00 | x | 8.50 | = | 85 | Sft |
| D-5 | 5 | x | 3.75 | x | 8.50 | = | 159 | Sft |
| D-7 | 3 | x | 3.25 | x | 8.50 | = | 83 | Sft |
| D-10 | 5 | x | 4.00 | x | 8.50 | = | 170 | Sft |
| D-3 | 8 | x | 3.00 | x | 7.00 | = | 168 | Sft |
| D-2 | 2 | x | 7.25 | x | 8.50 | = | 123 | Sft |

Total:- = 848 Sft

- P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar / Ash / Oak ply with grooves, compressed over 2.5mm thick commercial plyover 1" thick packing woodinstyle and rails under proper pressure w/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|---------|---|---|-------|---|------|---|-----|-----|
| D-6 | 2 | x | 3.500 | x | 8.50 | = | 60 | Sft |
| D-4 | 2 | x | 5.00 | x | 8.50 | = | 85 | Sft |
| D-5 | 5 | x | 3.75 | x | 8.50 | = | 159 | Sft |
| D-7 | 3 | x | 3.25 | x | 8.50 | = | 83 | Sft |
| D-10 | 5 | x | 4.00 | x | 8.50 | = | 170 | Sft |
| D-3 | 8 | x | 3.00 | x | 7.00 | = | 168 | Sft |
| D-2 | 2 | x | 7.25 | x | 8.50 | = | 123 | Sft |
| Total:- | | | | | | = | 848 | Sft |

- 12 Removing windows and sky lights with chowkat.

= 74 Nos.

- 13 Removing door with chowkat.

= 27 Nos.

- Providing and fixing 2 mm thick ~~Double~~ glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm (70503) at sides, fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc. (excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|---------|----|---|------|---|------|---|------|-----|
| G.F | 2 | x | 2.50 | x | 4.00 | = | 20 | Sft |
| | 16 | x | 2.50 | x | 5.50 | = | 220 | Sft |
| | 4 | x | 2.50 | x | 3.50 | = | 35 | Sft |
| | 1 | x | 4 | x | 4.00 | = | 16 | Sft |
| | 6 | x | 5.75 | x | 5.50 | = | 190 | Sft |
| | 1 | x | 5.75 | x | 3.5 | = | 20 | Sft |
| | 1 | x | 2.5 | x | 1.5 | = | 4 | Sft |
| | 1 | x | 2.50 | x | 3.75 | = | 9 | Sft |
| | 1 | x | 1.75 | x | 1 | = | 2 | Sft |
| | 1 | x | 1 | x | 1 | = | 1 | Sft |
| F.F | 25 | x | 2.50 | x | 5.50 | = | 344 | Sft |
| | 9 | x | 5.75 | x | 5.50 | = | 285 | Sft |
| | 3 | x | 2.5 | x | 3.00 | = | 23 | Sft |
| | 3 | x | 2.5 | x | 3.25 | = | 24 | Sft |
| Total:- | | | | | | = | 1192 | Sft |

- Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer
- 15 brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket/ c cost of Hardware sas approved and directed by the engineer incharge complete in all respect.

$$\frac{1192}{2} = 596 \text{ Sft}$$

- Providing and laying non slipary tile on ramp or stair steps full width laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect (master dwv series class sb or equivalent).
- 16

Ramp

| | | | | | | | |
|----------------|---|--------|---|--------|----------|-------------|------------|
| 3 | x | 63.370 | x | 16.250 | = | 3089 | Sft |
| 1 | x | 10.000 | x | 16.250 | = | 163 | Sft |
| Total:- | | | | | = | 3252 | Sft |

- Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture
- 17 (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona

| | | | | | | | | |
|----------------|-----|------|-------|------|----------|-------------|------------|-----|
| 105 | x | 2.50 | x | 1.25 | = | 328 | Sft | |
| 32 | x | 2.50 | x | 1.25 | = | 100 | Sft | |
| 12 | x | 1.10 | x | 1.25 | = | 17 | Sft | |
| 6 | x | 3.08 | x | 1.25 | = | 23 | Sft | |
| 12 | x | 2.21 | x | 1.25 | = | 33 | Sft | |
| 18 | x | 5.92 | x | 1.25 | = | 133 | Sft | |
| 16 | x | 4.17 | x | 1.25 | = | 83 | Sft | |
| 12 | x | 2.50 | x | 1.25 | = | 38 | Sft | |
| 4 | x | 2.50 | x | 1.25 | = | 13 | Sft | |
| 50 | x | 2.58 | x | 1.25 | = | 161 | Sft | |
| 16 | x | 2.21 | x | 1.25 | = | 44 | Sft | |
| 108 | x | 2.58 | x | 1.25 | = | 348 | Sft | |
| 4 | x | 2.50 | x | 1.25 | = | 13 | Sft | |
| 120 | x | 2.50 | x | 1.25 | = | 375 | Sft | |
| 20 | x | 2.50 | x | 1.25 | = | 63 | Sft | |
| 56 | x | 2.50 | x | 1.25 | = | 175 | Sft | |
| 6 | x | 5.79 | x | 1.25 | = | 43 | Sft | |
| 18 | x | 2.58 | x | 1.25 | = | 58 | Sft | |
| 52 | x | 3.00 | x | 1.25 | = | 195 | Sft | |
| 26 | x | 3.00 | x | 1.25 | = | 98 | Sft | |
| 4 | x | 2.13 | x | 1.25 | = | 11 | Sft | |
| Stair | 125 | x | 4.00 | x | 1.88 | = | 938 | Sft |
| Landing | 6 | x | 8.00 | x | 5.00 | = | 240 | Sft |
| Sitting bench | 40 | x | 12.00 | x | 1.50 | = | 720 | Sft |
| | 40 | x | 8.00 | x | 1.50 | = | 480 | Sft |
| | 27 | x | 10.00 | x | 1.50 | = | 405 | Sft |
| | 15 | x | 6.00 | x | 1.50 | = | 135 | Sft |
| | 8 | x | 15.00 | x | 1.50 | = | 180 | Sft |
| Total:- | | | | | = | 5448 | Sft | |

34
32

- 18 Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embedded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supported with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge (Measurement will be made above ground level).

$$1 \times 29.00 = 29 \text{ Rft}$$

- 19 Providing and fixing of wall mounted stainless steel 18-SWG surgical Scrub sink for 2-person size 6'x2-1/2' and 3-1/2' height with removeable front panels for ease of access the bottom surface to be sloped bottom to minimize splashing and over spill alongwith a flat strainer drain. The unit is complete with elbow action, spray head, mirror best quality 8mm thick glass size 6'x2'. Locally manufactured i/c frame, complete in all respect, as per instruction of all consultants and as approved by the Engineer Incharge.

$$= 3 \text{ Nos.}$$

- 20 Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

$$= 107 \text{ Nos.}$$

- 21 Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge

| | | | | | | | | |
|--------------------------|--------------|--------------|-------------------|--------------|---------------------------|--------------|----------------|----------------|
| Operation theater | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Delivery Room | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Operation theater | 1 | x | 15.730 | x | 18.88 | = | 297 | Sft |
| | 1 | x | 29.250 | x | 18.875 | = | 552 | Sft |
| Operation theater | 2 | x | 19.250 | + | 18.88 x 12.000 | = | 915 | Sft |
| Delivery Room | 2 | x | 19.250 | + | 18.88 x 12.000 | = | 915 | Sft |
| Operation theater | 2 | x | 15.730 | + | 18.88 x 12.000 | = | 831 | Sft |
| | 2 | x | 29.250 | + | 18.875 x 12.000 | = | 1155 | Sft |
| Total:- | | | | | | | 5391 | Sft |

- 22 P/F of Elbow action best qty complete in all respect as approved and directed by the Engineer Incharge.

$$= 4 \text{ Nos.}$$

- 23 Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|-----------------------|------|---|--------|---|-------------|---|-----|-----|
| X-Ray room | 1 | x | 15.720 | x | 18.88 | = | 297 | Sft |
| | 2 | x | 15.72 | + | 18.875 x 12 | = | 830 | Sft |
| X-Ray room | 1.00 | x | 14.280 | x | 18.88 | = | 270 | Sft |
| | 2.00 | x | 14.280 | + | 18.88 x 12 | = | 796 | Sft |

35 (33)

| | | | | | | | | |
|------------|------|---|--------|---|-------|---|--------|-----------|
| X-Ray room | 1.00 | x | 18.500 | x | 12.25 | = | 227 | Sft |
| | 2.00 | x | 18.500 | + | 12.25 | x | 12 | = 738 Sft |
| Total:- | | | | | | | = 3157 | Sft |

- 24 Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

| | | | | | | | |
|---|---|--------|---|------|---|-----|-----|
| 2 | x | 30.000 | x | 4.00 | = | 240 | Rft |
|---|---|--------|---|------|---|-----|-----|

- 25 Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- a) On interior surface (without mastic strip)

| | | | | | |
|---------|---|--------|---|----|-----------|
| 4 | x | 24.000 | = | 96 | Rft |
| 4 | x | 15.50 | = | 62 | Rft |
| 2 | x | 8 | = | 16 | Rft |
| Total:- | | | | | = 174 Rft |

- 26 Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

| | | | | | | | |
|---------|---|----|---|---|---|------|-----|
| 2 | x | 57 | x | 8 | = | 912 | Sft |
| 1 | x | 62 | x | 8 | = | 496 | Sft |
| 1 | x | 52 | x | 8 | = | 416 | Sft |
| Total:- | | | | | = | 1824 | Sft |

- 27 Providing and fixing high quality LED SMD Panel Light 2 ft x 2 ft of specified wattage and luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lumen/Watt (i) 36 watt

| | | |
|---|-----|------|
| = | 155 | Nos. |
|---|-----|------|

- 28 Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-
a) 4" dia (100 mm) cast iron down pipe.

| | | | | | |
|----|---|----|---|-----|-----|
| 20 | x | 27 | = | 540 | Rft |
|----|---|----|---|-----|-----|

- 29 Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting charges on approved & directed by the Engineer Incharge

| | | | | | | | |
|---------|---|-------|---|-------|---|-----|-----|
| 15 | x | 2.500 | x | 7.000 | = | 263 | Sft |
| Total:- | | | | | = | 263 | Sft |

- 30 Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|-----------------------|-----------------|--------------|-------------------|--------------|------------------|--------------|----------------|----------------|
| Operation theater | 1 | x | 19.250 | x | 18.88 | = | 363 | Sft |
| Delvery | 1 | x | 119.250 | x | 18.88 | = | 2251 | Sft |
| Operation theater | 1 | x | 15.730 | x | 18.88 | = | 297 | Sft |
| OT Gynee | 1 | x | 29.250 | x | 18.875 | = | 548 | Sft |
| X-Ray room | 1 | x | 15.720 | x | 18.88 | = | 297 | Sft |
| X-Ray room | 1.00 | x | 14.280 | x | 18.88 | = | 270 | Sft |
| X-Ray room | 1.00 | x | 18.500 | x | 12.25 | = | 227 | Sft |
| Total:- | | | | | | = | 4026 | Sft |

3459

REVISED

**AMENDED ROUGH COST ESTIMATE ON DETAIL BASED FOR THE BALANCE WORK OF REVAMPING
OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN FOR THE YEAR 2022-23**

In Door Block

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------|----------|-----------------------------|-------------------|
| 1 | Dismantling glazed or encaustic tiles etc. | 24144 25404 | % Sft | 2335.85 | 563968 593392 | Detailed attached |
| 2 | Dismantling of plain cement concrete 1:2:4 | 1495 | % Cft | 11174.60 | 167095 | |
| 3 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1:2:4. | 1495 | %Cft | 38126.10 | 570105 | |
| 4 | Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles (ii) 600mmx 600 mm. | 41490 ✓ | P.Sft | 340.50 | 3912353 | |
| 5 | Providing and laying superb quality Porcelain glazed tiles of Master brand , skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (ii) 600mm x600 mm | 12639 | P.Sft | 340.50 | 4303648 | |

37
35

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|---------------------------------------|------------------------------------------|----------|
| 21 | Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer-Incharge | 1607 | P.Rft | 393.30 | 631892 | |
| 22 | Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lumn/Watt (i) 36 watt | 250 | Each | 8800 9500.00 | 2125000 2375000 | |
| 23 | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- a) 4" dia (100 mm) cast iron down pipe. | 810 | P.Rft | 325.95 | 264020 | |
| 24 | P/F 1½" (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specied width and panels of 2.5 mm thick veneer ply matching with wood used with grooves , pasted on both sides of 1" thick Lasani wood panel with tapered edges i/c the cost of tower bolt ,handles complete in all respect (Excluding the cost of chowkat frame,sliding bolt and lock) as approved and directed by Engineer Incharge. (ii) Oak/Ash Wood i/c angle iron chowkat | 385 | P.Sft | 1872.05 | 720739 | |
| | | | | Total:- | 21221754 | 20010798 |
| | D/d Cost of Old Material (-) | | | | 20305346 | 2010798 |
| 1 | Window | 121 | Each | 2500.00 | 302500 | |
| 2 | door | 27 | Each | 5000.00 | 135000 | |

| | | | | | | | | | | |
|----------------|---|---|---------|---|-------|---|-------|---|---------------|------------|
| Toilet | 1 | x | 5.920 | x | 0.43 | x | 0.125 | = | 0 | Cft |
| Ward | 1 | x | 9.250 | x | 15.72 | x | 0.125 | = | 18 | Cft |
| | 1 | x | 15.000 | x | 6.75 | x | 0.125 | = | 13 | Cft |
| Nurs | 1 | x | 9.250 | x | 15.92 | x | 0.125 | = | 18 | Cft |
| Toilet | 1 | x | 4.450 | x | 5.92 | x | 0.125 | = | 3 | Cft |
| Pantry | 1 | x | 9.750 | x | 15.54 | x | 0.125 | = | 19 | Cft |
| Store | 1 | x | 9.250 | x | 15.54 | x | 0.125 | = | 18 | Cft |
| Store | 1 | x | 5.920 | x | 9.25 | x | 0.125 | = | 7 | Cft |
| Toilet | 1 | x | 5.920 | x | 5.92 | x | 0.125 | = | 4 | Cft |
| Ward | 4 | x | 19.450 | x | 15.54 | x | 0.125 | = | 151 | Cft |
| " " | 2 | x | 19.250 | x | 15.54 | x | 0.125 | = | 75 | Cft |
| Sluice | 1 | x | 9.750 | x | 7.39 | x | 0.125 | = | 9 | Cft |
| Dirty | 1 | x | 9.750 | x | 7.39 | x | 0.125 | = | 9 | Cft |
| Stair | 1 | x | 9.750 | x | 15.54 | x | 0.125 | = | 19 | Cft |
| Day room | 1 | x | 18.830 | x | 15.54 | x | 0.125 | = | 37 | Cft |
| Corridor | 1 | x | 42.780 | x | 5.00 | x | 0.125 | = | 27 | Cft |
| " " | 1 | x | 111.740 | x | 7.20 | x | 0.125 | = | 101 | Cft |
| | 1 | x | 111.740 | x | 8.83 | x | 0.125 | = | 123 | Cft |
| Total:- | | | | | | | | | = 1495 | Cft |

4 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge
Full body Glazed tiles (ii) 600mmx 600 mm.

In Door Block First Floor

| | | | | | | | | |
|------------|---|---|--------|---|-------|---|------|-----|
| Corridor | 1 | x | 63.140 | x | 8.83 | = | 558 | Sft |
| Sluice | 1 | x | 9.750 | x | 7.375 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.45 | = | 73 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Ward | 4 | x | 19.430 | x | 15.54 | = | 1208 | Sft |
| " " | 2 | x | 19.625 | x | 15.54 | = | 610 | Sft |
| Corridor | 1 | x | 72.875 | x | 7.20 | = | 525 | Sft |
| Nurse | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Waiting | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Stair Hall | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 99.970 | x | 7.20 | = | 720 | Sft |
| Day room | 1 | x | 18.830 | x | 12.54 | = | 236 | Sft |
| | 1 | x | 99.970 | x | 8.83 | = | 883 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| | 1 | x | 15.000 | x | 6.75 | = | 101 | Sft |
| Nurs | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Pantry | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Store | 1 | x | 9.250 | x | 15.54 | = | 144 | Sft |
| Store | 1 | x | 5.920 | x | 9.25 | = | 55 | Sft |
| Ward | 4 | x | 19.450 | x | 15.54 | = | 1209 | Sft |
| " " | 2 | x | 19.250 | x | 15.54 | = | 598 | Sft |

| | | | | | | | | |
|----------|---|---|---------|---|-------|---|-------|-----|
| Sluice | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Day room | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 42.780 | x | 5.00 | = | 214 | Sft |
| " " | 1 | x | 111.740 | x | 7.20 | = | 805 | Sft |
| | 1 | x | 111.740 | x | 8.83 | = | 987 | Sft |
| Total:- | | | | | | = | 11490 | Sft |

Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respects as approved and directed by the Engineer Incharge.

a) Full body Glazed Tile (ii) 600mm x 600 mm

In Door Block First Floor

| | | | | | | | | | | |
|------------|---|---|---------|---|-------|---|-------|---|-------|-----|
| Corridor | 2 | x | 63.140 | + | 8.83 | x | 4.000 | = | 576 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.375 | x | 4.000 | = | 137 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.45 | x | 4.000 | = | 138 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 4.000 | = | 202 | Sft |
| Ward | 8 | x | 19.430 | + | 15.54 | x | 4.000 | = | 1119 | Sft |
| " " | 4 | x | 19.625 | + | 15.54 | x | 4.000 | = | 563 | Sft |
| Corridor | 2 | x | 72.875 | + | 7.20 | x | 4.000 | = | 641 | Sft |
| Nurse | 2 | x | 9.250 | + | 15.92 | x | 4.000 | = | 201 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 4.000 | = | 200 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 4.000 | = | 256 | Sft |
| Waiting | 2 | x | 18.830 | + | 15.54 | x | 4.000 | = | 275 | Sft |
| Stair Hall | 2 | x | 18.830 | + | 15.54 | x | 4.000 | = | 275 | Sft |
| Corridor | 2 | x | 99.970 | + | 7.20 | x | 4.000 | = | 857 | Sft |
| Day room | 2 | x | 18.830 | + | 12.54 | x | 4.000 | = | 251 | Sft |
| | 2 | x | 99.970 | + | 8.83 | x | 4.000 | = | 870 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 4.000 | = | 256 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 4.000 | = | 200 | Sft |
| | 2 | x | 15.000 | + | 6.75 | x | 4.000 | = | 174 | Sft |
| Nurs | 2 | x | 9.250 | + | 15.92 | x | 4.000 | = | 201 | Sft |
| Pantry | 2 | x | 9.750 | + | 15.54 | x | 4.000 | = | 202 | Sft |
| Store | 2 | x | 9.250 | + | 15.54 | x | 4.000 | = | 198 | Sft |
| Store | 2 | x | 5.920 | + | 9.25 | x | 4.000 | = | 121 | Sft |
| Ward | 8 | x | 19.450 | + | 15.54 | x | 4.000 | = | 1120 | Sft |
| " " | 4 | x | 19.250 | + | 15.54 | x | 4.000 | = | 557 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.39 | x | 4.000 | = | 137 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.39 | x | 4.000 | = | 137 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 4.000 | = | 202 | Sft |
| Day room | 2 | x | 18.830 | + | 15.54 | x | 4.000 | = | 275 | Sft |
| Corridor | 2 | x | 42.780 | + | 5.00 | x | 4.000 | = | 382 | Sft |
| " " | 2 | x | 111.740 | + | 7.20 | x | 4.000 | = | 952 | Sft |
| | 2 | x | 111.740 | + | 8.83 | x | 4.000 | = | 965 | Sft |
| Total:- | | | | | | | | = | 12639 | Sft |

48 46

- 6 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36".

In Door Block First Floor

| | | | | | | | | |
|---------|---|---|--------|---|-------|---|-------|-----|
| Toilet | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.83 | = | 26 | Sft |
| " " | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| " " | 1 | x | 5.920 | x | 9.28 | = | 55 | Sft |
| Toilet | 1 | x | 5.920 | x | 0.43 | = | 3 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.92 | = | 26 | Sft |
| Toilet | 1 | x | 5.920 | x | 5.92 | = | 35 | Sft |
| Total:- | | | | | | | = 472 | Sft |

- 7 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy / Matt / Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36".

In Door Block First Floor

| | | | | | | | | | | |
|---------------------|---|---|--------|---|-------|---|---------|---|------|-----|
| Toilet | 2 | x | 18.830 | + | 15.54 | x | 7.000 | = | 481 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.83 | x | 7.000 | = | 144 | Sft |
| " " | 2 | x | 5.920 | + | 5.920 | x | 7.000 | = | 166 | Sft |
| " " | 2 | x | 5.920 | + | 9.28 | x | 7.000 | = | 213 | Sft |
| Toilet | 2 | x | 5.920 | + | 0.43 | x | 7.000 | = | 89 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.92 | x | 7.000 | = | 145 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.92 | x | 7.000 | = | 166 | Sft |
| 2x7x2.50x7.00 = 245 | | | | | | | Total:- | = | 1404 | Sft |
| | | | | | | | | | -245 | |

- 8 Preparing surface and painting with emulsion paint:- i/c scraping

In Door Block First Floor

| | | | | | | | | |
|------------|---|---|--------|---|-------|---|------|-----|
| Toilet | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 63.140 | x | 8.83 | = | 558 | Sft |
| Sluice | 1 | x | 9.750 | x | 7.375 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.45 | = | 73 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Ward | 4 | x | 19.430 | x | 15.54 | = | 1208 | Sft |
| " " | 2 | x | 19.625 | x | 15.54 | = | 610 | Sft |
| Corridor | 1 | x | 72.875 | x | 7.20 | = | 525 | Sft |
| Nurse | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.83 | = | 26 | Sft |
| " " | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| " " | 1 | x | 5.920 | x | 9.28 | = | 55 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Waiting | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Stair Hall | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 99.970 | x | 7.20 | = | 720 | Sft |

49 47

| | | | | | | | | |
|----------|---|---|---------|---|-------|---|------|-----|
| Day room | 1 | x | 18.830 | x | 12.54 | = | 236 | Sft |
| | 1 | x | 99.970 | x | 8.83 | = | 883 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Toilet | 1 | x | 5.920 | x | 0.43 | = | 3 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| | 1 | x | 15.000 | x | 6.75 | = | 101 | Sft |
| Nurs | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.92 | = | 26 | Sft |
| Pantry | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Store | 1 | x | 9.250 | x | 15.54 | = | 144 | Sft |
| Store | 1 | x | 5.920 | x | 9.25 | = | 55 | Sft |
| Toilet | 1 | x | 5.920 | x | 5.92 | = | 35 | Sft |
| Ward | 4 | x | 19.450 | x | 15.54 | = | 1209 | Sft |
| " " | 2 | x | 19.250 | x | 15.54 | = | 598 | Sft |
| Sluice | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Day room | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 42.780 | x | 5.00 | = | 214 | Sft |
| " " | 1 | x | 111.740 | x | 7.20 | = | 805 | Sft |
| | 1 | x | 111.740 | x | 8.83 | = | 987 | Sft |

In Door Block First Floor

| | | | | | | | | | | |
|------------|---|---|--------|---|-------|---|-------|---|------|-----|
| Toilet | 2 | x | 18.830 | + | 15.54 | x | 5.000 | = | 344 | Sft |
| Corridor | 2 | x | 63.140 | + | 8.83 | x | 8.000 | = | 1152 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.375 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.45 | x | 8.000 | = | 275 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Ward | 8 | x | 19.430 | + | 15.54 | x | 8.000 | = | 2238 | Sft |
| " " | 4 | x | 19.625 | + | 15.54 | x | 8.000 | = | 1125 | Sft |
| Corridor | 2 | x | 72.875 | + | 7.20 | x | 8.000 | = | 1281 | Sft |
| Nurse | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.83 | x | 5.000 | = | 103 | Sft |
| " " | 2 | x | 5.920 | + | 5.920 | x | 5.000 | = | 118 | Sft |
| " " | 2 | x | 5.920 | + | 9.28 | x | 5.000 | = | 152 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Waiting | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Stair Hall | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 99.970 | + | 7.20 | x | 8.000 | = | 1715 | Sft |
| Day room | 2 | x | 18.830 | + | 12.54 | x | 8.000 | = | 502 | Sft |
| | 2 | x | 99.970 | + | 8.83 | x | 8.000 | = | 1741 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Toilet | 2 | x | 5.920 | + | 0.43 | x | 5.000 | = | 64 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| | 2 | x | 15.000 | + | 6.75 | x | 8.000 | = | 348 | Sft |
| Nurs | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.92 | x | 5.000 | = | 104 | Sft |
| Pantry | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Store | 2 | x | 9.250 | + | 15.54 | x | 8.000 | = | 397 | Sft |
| Store | 2 | x | 5.920 | + | 9.25 | x | 8.000 | = | 243 | Sft |

50648

| | | | | | | | | | | |
|----------|---|---|---------|---|-------|---|-------|---|------|-----|
| Toilet | 2 | x | 5.920 | + | 5.92 | x | 5.000 | = | 118 | Sft |
| Ward | 8 | x | 19.450 | + | 15.54 | x | 8.000 | = | 2239 | Sft |
| " " | 4 | x | 19.250 | + | 15.54 | x | 8.000 | = | 1113 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Day room | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 42.780 | + | 5.00 | x | 8.000 | = | 764 | Sft |
| " " | 2 | x | 111.740 | + | 7.20 | x | 8.000 | = | 1903 | Sft |
| | 2 | x | 111.740 | + | 8.83 | x | 8.000 | = | 1929 | Sft |

In Door Block G.F

| | | | | | | | | | | |
|------------|----|---|---------|---|-------|---|-------|---|------|-----|
| Toilet | 2 | x | 18.830 | + | 15.54 | x | 5.000 | = | 344 | Sft |
| Corridor | 2 | x | 63.140 | + | 8.83 | x | 8.000 | = | 1152 | Sft |
| Sluice | 22 | x | 9.750 | + | 7.375 | x | 8.000 | = | 3014 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.45 | x | 8.000 | = | 275 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Ward | 8 | x | 19.430 | + | 15.54 | x | 8.000 | = | 2238 | Sft |
| " " | 4 | x | 19.625 | + | 15.54 | x | 8.000 | = | 1125 | Sft |
| Corridor | 2 | x | 63.140 | + | 7.20 | x | 8.000 | = | 1125 | Sft |
| Nurse | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.83 | x | 5.000 | = | 103 | Sft |
| " " | 2 | x | 5.920 | + | 5.920 | x | 5.000 | = | 118 | Sft |
| " " | 2 | x | 5.920 | + | 9.28 | x | 5.000 | = | 152 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Waiting | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Stair Hall | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 99.970 | + | 7.20 | x | 8.000 | = | 1715 | Sft |
| Day room | 2 | x | 18.830 | + | 12.54 | x | 8.000 | = | 502 | Sft |
| | 2 | x | 99.970 | + | 8.83 | x | 8.000 | = | 1741 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Toilet | 2 | x | 5.920 | + | 0.43 | x | 5.000 | = | 64 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| | 2 | x | 15.000 | + | 6.75 | x | 8.000 | = | 348 | Sft |
| Nurs | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.92 | x | 5.000 | = | 104 | Sft |
| Pantry | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Store | 2 | x | 9.250 | + | 15.54 | x | 8.000 | = | 397 | Sft |
| Store | 2 | x | 5.920 | + | 9.25 | x | 8.000 | = | 243 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.92 | x | 5.000 | = | 118 | Sft |
| Ward | 8 | x | 19.450 | + | 15.54 | x | 8.000 | = | 2239 | Sft |
| " " | 4 | x | 19.250 | + | 15.54 | x | 8.000 | = | 1113 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Day room | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 42.780 | + | 5.00 | x | 8.000 | = | 764 | Sft |
| " " | 2 | x | 111.740 | + | 7.20 | x | 8.000 | = | 1903 | Sft |
| | 2 | x | 111.740 | + | 8.83 | x | 8.000 | = | 1929 | Sft |

In Door Block Ground Floor

| | | | | | | | | | |
|--------|---|---|--------|---|-------|--|---|-----|-----|
| Toilet | 1 | x | 18.830 | x | 15.54 | | = | 293 | Sft |
|--------|---|---|--------|---|-------|--|---|-----|-----|

51 (49)

| | | | | | | | | |
|------------|---|---|---------|---|-------|---|------|-----|
| Corridor | 1 | x | 63.140 | x | 8.83 | = | 558 | Sft |
| Sluice | 1 | x | 9.750 | x | 7.375 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.45 | = | 73 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Ward | 4 | x | 19.430 | x | 15.54 | = | 1208 | Sft |
| " " | 2 | x | 19.625 | x | 15.54 | = | 610 | Sft |
| Corridor | 1 | x | 72.875 | x | 7.20 | = | 525 | Sft |
| Nurse | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.83 | = | 26 | Sft |
| " " | 1 | x | 5.920 | x | 5.920 | = | 35 | Sft |
| " " | 1 | x | 5.920 | x | 9.28 | = | 55 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Waiting | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Stair Hall | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 99.970 | x | 7.20 | = | 720 | Sft |
| Day room | 1 | x | 18.830 | x | 12.54 | = | 236 | Sft |
| | 1 | x | 99.970 | x | 8.83 | = | 883 | Sft |
| Ward | 1 | x | 9.750 | x | 22.20 | = | 216 | Sft |
| Toilet | 1 | x | 5.920 | x | 0.43 | = | 3 | Sft |
| Ward | 1 | x | 9.250 | x | 15.72 | = | 145 | Sft |
| | 1 | x | 15.000 | x | 6.75 | = | 101 | Sft |
| Nurs | 1 | x | 9.250 | x | 15.92 | = | 147 | Sft |
| Toilet | 1 | x | 4.450 | x | 5.92 | = | 26 | Sft |
| Pantry | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Store | 1 | x | 9.250 | x | 15.54 | = | 144 | Sft |
| Store | 1 | x | 5.920 | x | 9.25 | = | 55 | Sft |
| Toilet | 1 | x | 5.920 | x | 5.92 | = | 35 | Sft |
| Ward | 4 | x | 19.450 | x | 15.54 | = | 1209 | Sft |
| " " | 2 | x | 19.250 | x | 15.54 | = | 598 | Sft |
| Sluice | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Dirty | 1 | x | 9.750 | x | 7.39 | = | 72 | Sft |
| Stair | 1 | x | 9.750 | x | 15.54 | = | 152 | Sft |
| Day room | 1 | x | 18.830 | x | 15.54 | = | 293 | Sft |
| Corridor | 1 | x | 42.780 | x | 5.00 | = | 214 | Sft |
| " " | 1 | x | 111.740 | x | 7.20 | = | 805 | Sft |
| | 1 | x | 111.740 | x | 8.83 | = | 987 | Sft |

In Door Block Ground Floor

| | | | | | | | | | | |
|----------|---|---|--------|---|-------|---|-------|---|------|-----|
| Toilet | 2 | x | 18.830 | + | 15.54 | x | 5.000 | = | 344 | Sft |
| Corridor | 2 | x | 63.140 | + | 8.83 | x | 8.000 | = | 1152 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.375 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.45 | x | 8.000 | = | 275 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Ward | 8 | x | 19.430 | + | 15.54 | x | 8.000 | = | 2238 | Sft |
| " " | 4 | x | 19.625 | + | 15.54 | x | 8.000 | = | 1125 | Sft |
| Corridor | 2 | x | 72.875 | + | 7.20 | x | 8.000 | = | 1281 | Sft |
| Nurse | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.83 | x | 5.000 | = | 103 | Sft |
| " " | 2 | x | 5.920 | + | 5.920 | x | 5.000 | = | 118 | Sft |

52
(50)

| | | | | | | | | | | |
|------------|---|---|---------|---|-------|---|-------|---|------|-----|
| " " | 2 | x | 5.920 | + | 9.28 | x | 5.000 | = | 152 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Waiting | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Stair Hall | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 99.970 | + | 7.20 | x | 8.000 | = | 1715 | Sft |
| Day room | 2 | x | 18.830 | + | 12.54 | x | 8.000 | = | 502 | Sft |
| | 2 | x | 99.970 | + | 8.83 | x | 8.000 | = | 1741 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Toilet | 2 | x | 5.920 | + | 0.43 | x | 5.000 | = | 64 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| | 2 | x | 15.000 | + | 6.75 | x | 8.000 | = | 348 | Sft |
| Nurs | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.92 | x | 5.000 | = | 104 | Sft |
| Pantry | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Store | 2 | x | 9.250 | + | 15.54 | x | 8.000 | = | 397 | Sft |
| Store | 2 | x | 5.920 | + | 9.25 | x | 8.000 | = | 243 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.92 | x | 5.000 | = | 118 | Sft |
| Ward | 8 | x | 19.450 | + | 15.54 | x | 8.000 | = | 2239 | Sft |
| " " | 4 | x | 19.250 | + | 15.54 | x | 8.000 | = | 1113 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Day room | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 42.780 | + | 5.00 | x | 8.000 | = | 764 | Sft |
| " " | 2 | x | 111.740 | + | 7.20 | x | 8.000 | = | 1903 | Sft |
| | 2 | x | 111.740 | + | 8.83 | x | 8.000 | = | 1929 | Sft |

In Door Block G.F

| | | | | | | | | | | |
|------------|----|---|--------|---|-------|---|-------|---|------|-----|
| Toilet | 2 | x | 18.830 | + | 15.54 | x | 5.000 | = | 344 | Sft |
| Corridor | 2 | x | 63.140 | + | 8.83 | x | 8.000 | = | 1152 | Sft |
| Sluice | 22 | x | 9.750 | + | 7.375 | x | 8.000 | = | 3014 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.45 | x | 8.000 | = | 275 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Ward | 8 | x | 19.430 | + | 15.54 | x | 8.000 | = | 2238 | Sft |
| " " | 4 | x | 19.625 | + | 15.54 | x | 8.000 | = | 1125 | Sft |
| Corridor | 2 | x | 63.140 | + | 7.20 | x | 8.000 | = | 1125 | Sft |
| Nurse | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| Toilet | 2 | x | 4.450 | + | 5.83 | x | 5.000 | = | 103 | Sft |
| " " | 2 | x | 5.920 | + | 5.920 | x | 5.000 | = | 118 | Sft |
| " " | 2 | x | 5.920 | + | 9.28 | x | 5.000 | = | 152 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Waiting | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Stair Hall | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 99.970 | + | 7.20 | x | 8.000 | = | 1715 | Sft |
| Day room | 2 | x | 18.830 | + | 12.54 | x | 8.000 | = | 502 | Sft |
| | 2 | x | 99.970 | + | 8.83 | x | 8.000 | = | 1741 | Sft |
| Ward | 2 | x | 9.750 | + | 22.20 | x | 8.000 | = | 511 | Sft |
| Toilet | 2 | x | 5.920 | + | 0.43 | x | 5.000 | = | 64 | Sft |
| Ward | 2 | x | 9.250 | + | 15.72 | x | 8.000 | = | 400 | Sft |
| | 2 | x | 15.000 | + | 6.75 | x | 8.000 | = | 348 | Sft |
| Nurs | 2 | x | 9.250 | + | 15.92 | x | 8.000 | = | 403 | Sft |

53 (51)

| | | | | | | | | | | |
|---------------------------------|---|---|---------|---|-------|---|-------|---|---------|-----------------|
| Toilet | 2 | x | 4.450 | + | 5.92 | x | 5.000 | = | 104 | Sft |
| Pantry | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Store | 2 | x | 9.250 | + | 15.54 | x | 8.000 | = | 397 | Sft |
| Store | 2 | x | 5.920 | + | 9.25 | x | 8.000 | = | 243 | Sft |
| Toilet | 2 | x | 5.920 | + | 5.92 | x | 5.000 | = | 118 | Sft |
| Ward | 8 | x | 19.450 | + | 15.54 | x | 8.000 | = | 2239 | Sft |
| " " | 4 | x | 19.250 | + | 15.54 | x | 8.000 | = | 1113 | Sft |
| Sluice | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Dirty | 2 | x | 9.750 | + | 7.39 | x | 8.000 | = | 274 | Sft |
| Stair | 2 | x | 9.750 | + | 15.54 | x | 8.000 | = | 405 | Sft |
| Day room | 2 | x | 18.830 | + | 15.54 | x | 8.000 | = | 550 | Sft |
| Corridor | 2 | x | 42.780 | + | 5.00 | x | 8.000 | = | 764 | Sft |
| " " | 2 | x | 111.740 | + | 7.20 | x | 8.000 | = | 1903 | Sft |
| | 2 | x | 111.740 | + | 8.83 | x | 8.000 | = | 1929 | Sft |
| <i>2x191x3.5x4.00 = 5348 sf</i> | | | | | | | | | Total:- | = 67109 Sft |
| | | | | | | | | | | <i>61761 sf</i> |

- 9 P/Applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect old surface after scraping.

In Door Block

| | | | | | | | | | |
|------|---|---------|---|--------|---|--------|---|-------|---------------------|
| 2.00 | x | 261.625 | + | 70.820 | x | 30.500 | = | 20279 | Sft |
| | | | | | | | | | Total:- = 20279 Sft |

D/d window

| | | | | | | | |
|---------|---|------|---|------|---|------|-----|
| 80 | x | 2.50 | x | 5.50 | = | 1100 | Sft |
| 2 | x | 5.25 | x | 5.50 | = | 58 | Sft |
| 12 | x | 1.10 | x | 8.00 | = | 106 | Sft |
| 6 | x | 2.25 | x | 3.00 | = | 41 | Sft |
| 4 | x | 2.25 | x | 3.50 | = | 32 | Sft |
| 5 | x | 2.25 | x | 3.25 | = | 37 | Sft |
| 12 | x | 2.5 | x | 3.5 | = | 105 | Sft |
| Total:- | | | | | = | 1477 | Sft |

- 10 Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge

| | | | | | | | | |
|---------------|---|---|-------|---|------|---|-----|-----|
| (i) 15 " wide | 8 | x | 3.375 | x | 8.50 | = | 230 | Sft |
| D-4 | 5 | x | 5.00 | x | 8.50 | = | 213 | Sft |
| D-5 | 3 | x | 3.75 | x | 8.50 | = | 96 | Sft |
| D-7 | 6 | x | 3.00 | x | 7.00 | = | 126 | Sft |
| D-10 | 5 | x | 4.00 | x | 8.50 | = | 170 | Sft |
| Total:- | | | | | | = | 834 | Sft |

- 11 P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar / Ash / Oak ply with grooves, compressed over 2.5mm thick commercial plyover 1" thick packing woodinstyle and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|-----|---|---|-------|---|------|---|-----|-----|
| D-6 | 8 | x | 3.375 | x | 8.50 | = | 230 | Sft |
|-----|---|---|-------|---|------|---|-----|-----|

| | | | | | | | | |
|----------------|---|---|------|---|------|---|------------|------------|
| D-4 | 5 | x | 5.00 | x | 8.50 | = | 213 | Sft |
| D-5 | 3 | x | 3.75 | x | 8.50 | = | 96 | Sft |
| D-7 | 6 | x | 3.00 | x | 7.00 | = | 126 | Sft |
| D-10 | 5 | x | 4.00 | x | 8.50 | = | 170 | Sft |
| Total:- | | | | | | = | 834 | Sft |

12 Removing windows and sky lights with chowkat.

= 121 Nos.

13 Removing door with chowkat.

= 27 Nos.

Providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm (70503) at sides, fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc. (excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.

| | | | | | | | |
|---------|---|------|---|------|---|------|-----|
| 80 | x | 2.50 | x | 5.50 | = | 1100 | Sft |
| 2 | x | 5.25 | x | 5.50 | = | 58 | Sft |
| 12 | x | 1.10 | x | 8.00 | = | 106 | Sft |
| 6 | x | 2.25 | x | 3.00 | = | 41 | Sft |
| 4 | x | 2.25 | x | 3.50 | = | 32 | Sft |
| 5 | x | 2.25 | x | 3.25 | = | 37 | Sft |
| 12 | x | 2.5 | x | 3.5 | = | 105 | Sft |
| Total:- | | | | | = | 1477 | Sft |

Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket/ c cost of Hardware sas approved and directed by the engineer incharge. complete in all respect.

$\frac{1477}{2} = 738$ Sft

Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona

| | | | | | | | |
|----|---|------|---|------|---|------|-----|
| 80 | x | 2.50 | x | 5.50 | = | 1100 | Sft |
| 2 | x | 5.25 | x | 5.50 | = | 58 | Sft |
| 12 | x | 1.10 | x | 8.00 | = | 106 | Sft |
| 6 | x | 2.25 | x | 3.00 | = | 41 | Sft |
| 4 | x | 2.25 | x | 3.50 | = | 32 | Sft |
| 5 | x | 2.25 | x | 3.25 | = | 37 | Sft |

55
53

| | | | | | | | | |
|---------------|-----|---|-------|---|------|---|------|-----|
| | 12 | x | 2.5 | x | 3.5 | = | 105 | Sft |
| Stair | 125 | x | 4.00 | x | 1.88 | = | 938 | Sft |
| Landing | 6 | x | 8.00 | x | 5.00 | = | 240 | Sft |
| Sitting bench | 25 | x | 12.00 | x | 1.50 | = | 450 | Sft |
| | 25 | x | 8.00 | x | 1.50 | = | 300 | Sft |
| | 16 | x | 10.00 | x | 1.50 | = | 240 | Sft |
| | 15 | x | 6.00 | x | 1.50 | = | 135 | Sft |
| | 8 | x | 15.00 | x | 1.50 | = | 180 | Sft |
| Total:- | | | | | | = | 2483 | Sft |

- 17 Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8" MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge (Measurement will be made above ground level).

1 x 29.00 = 29 Rft

- 18 Providing and fixing autotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

= 27 Nos.

- 19 Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

2 x 35.000 x 4.00 = 280 Rft

- 20 Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- a) On interior surface (without mastic strip)

| | | | | | |
|---------|---|--------|---|-----|---------|
| 6 | x | 24.000 | = | 144 | Rft |
| 6 | x | 15.50 | = | 93 | Rft |
| 3 | x | 8 | = | 24 | Rft |
| Total:- | | | | = | 261 Rft |

- 21 Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

| | | | | | | | |
|---|---|--------|---|---|---|-----|-----|
| 1 | x | 63.15 | x | 8 | = | 505 | Sft |
| 1 | x | 36.85 | x | 8 | = | 295 | Sft |
| 1 | x | 100.83 | x | 8 | = | 807 | Sft |

Total:- = 1607 Sft

56
54

- 22 Providing and fixing high quality LED SMD Panel Light 2 ft x 2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110 Lumens/Watt (i) 36 watt

= 250 Nos.

- 23 Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-
a) 4" dia (100 mm) cast iron down pipe.

30 x 27 = 810 Rft

- 24 Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 mm both duly reinforced with G.I. box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

22 x 2.500 x 7.000 = 385 Sft

Total:- = 385 Sft

**AMENDED ROUGH COST ESTIAMTE ON DETAIL BASED FOR THE BALANCE WORK OF REVAMPING
OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN FOR THE YEAR 2022-23**

Out Door Block First Floor.

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------|----------|------------------------------------------|-------------------|
| 1 | Dismantling glazed or encaustic tiles etc. | 533 4146 | % Sft | 2335.85 | 12450 96843 | Detailed attached |
| 2 | Dismantling of plain cement concrete 1:2:4 | 3613 4144 | % Cft | 11174.60 | 403738 463042 | |
| 3 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1:2:4. | 452 | %Cft | 38126.10 | 172202 | |
| 4 | Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles (ii) 600mmx 600 mm. | 3400 | P.Sft | 340.50 | 1157605 | |
| 5 | Providing and laying superb quality Porcelain glazed tiles of Master brand , skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile (ii) 600mm x600 mm | 3518 3854 | P.Sft | 340.50 | 1197879 4312137 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|-----------------------------------------------------|------------------------------------------------|---------|
| 6 | Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36". | 214 | P.Sft | 239.90 | 51243 | |
| 7 | Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy / Matt / Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36" | 588 | P.Sft | 292.65 | 171938 | |
| 8 | Preparing surface and painting with emulsion paint:- 11843 x 60% i/c scraping 11843 x 40% | 9106 14843 4737 | 1351 % Sft 2801 | 1151.55 2796.55 2782.15 | 81827 331202 12261 | |
| 9 | P/Applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect old surface after scraping. | 15128 | % Sft | 1925.45 | 291290 | |
| 10 | Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge (i) 15 " wide ply. | 371 | P.Sft | 727.00 766.15 | 269717 284146 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------|--------|---------|
| 11 | P/F 1-1/2" thick solid flush door comprising of 2.5mm thick Deodar / Ash / Oak ply with grooves, compressed over 2.5mm thick commercial plyover 1" thick packing woodinstyle and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge. | 371 | P.Sft | 678.55 | 251657 | |
| 12 | Removing windows and sky lights with chowkat. | 72 | Each | 341.50 | 24588 | |
| 13 | Removing door with chowkat. | 13 | Each | 438.00 | 5694 | |
| 14 | Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. | 630 | P.Sft | 1348.40 | 849492 | |
| 15 | Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guazè(Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2"and1.6mm thick with rubber gasket/ c cost of Hardware sas approved and directed by the engineer incharge.complete in all respect. | 315 | P.Sft | 493.05 | 155311 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|---------|--------|---------|
| 16 | Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China-Verona | 888 | P.Sft | 412.30 | 365916 | |
| 17 | Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8" MS square bars steps supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embedded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supported with 2 no 5/8" square bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge (Measurement will be made above ground level). | 29 | P.Rft | 2361.45 | 68482 | |
| 18 | Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge. | 13 | Each | 2932.00 | 38116 | |
| 19 | Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. | 120 | P.Rft | 350.00 | 42000 | |
| 20 | Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc. complete in all respects:- a) On interior surface (without mastic strip) | 261 | P.Sft | 147.30 | 38445 | |

60
58

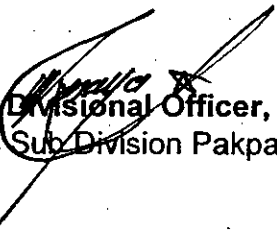
| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------------------------------|------------------------------|---------|
| 21 | Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lum/Watt (i) 36 watt | 55 | Each | 80.00 9500.00 | 4695.00 522500 | |
| 22 | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- a) 4" dia (100 mm) cast iron down pipe. | 486 | P.Rft | 325.95 | 158412 | |
| 23 | Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/S Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in charge. | 145 | P.Sft | 1437.60 | 207733 | |
| 24 | P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer handles complete in all respect (excluding the cost of chowkat frame, sliding bolt and lock) as approved and directed by Engineer Incharge. (ii) Oak/Ash Wood i/c angle iron chowkat | 88 | P.Sft | 678.55 4872.05 | 59712 463804 | |
| | | | | Total:- | 7223800 | 6754296 |
| | D/d Cost of Old Material (-) | | | | 705800 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|----------------------------|------------------------------|---------|
| 20 | Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge. | 8 | Each | 2932.00 | 23456 | |
| 21 | Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channel of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer in-charge | 1291 | P.Sft | 650.00 | 838866 | |
| 22 | P/F of Elbow action best qty complete in all respect as approved and directed by the Engineer Incharge. | 2 | Each | 2500.00 | 5000 | |
| 23 | Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge. | 200 | P.Rft | 350.00 | 70000 | |
| 24 | Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- a) On interior surface (without mastic strip) | 135 | P.Sft | 147.30 | 19812 | |
| 25 | Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lumn/Watt (i) 36 watt | 50 155 | Each | 5000 9500.00 | 425000 1472500 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------------------------------|-----------------------------|---------|
| 26 | Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- a) 4" dia (100 mm) cast iron down pipe. | 270 | P.Rft | 325.95 | 88007 | |
| 27 | Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/S Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ½" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in charge. | 145 | P.Sft | 1437.60 | 207733 | |
| 28 | Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardware, hinges, four bolt and cutting charges on approved & directed by the Engineer Incharge handles complete in all respect (Excluding the cost of chowkat frame, sliding bolt and lock) as approved and directed by Engineer Incharge. (ii) Oak/Ash Wood i/c angle iron chowkat | 5 | P.Sft | 1872.05 1250.00 | 327609 218750 | |
| 29 | Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mm X 600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. | 367 | P.Sft | 600.00 | 219938 | |

| Sr No. | Description | Qty: | Unit | Rate | Amount | Remarks |
|--------|------------------------------|---------------------|------|-----------|---------------------|-----------------------------|
| | | | | Total:- | 12779609 | 12354747 6805049 |
| | D/d Cost of Old Material (-) | | | | | |
| 1 | Window | 50 | Each | 2500.00 | 125000 | |
| 2 | door | 8 | Each | 5000.00 | 40000 | |
| | | | | Total:- | 165000 | |
| | | | | G.Total:- | 12614609 | 12189707 6640049 |
| | | Add 3% Contingency. | | | 378438 | 365692 199202 |
| | | | | Total:- | 12993047 | 12554409 6839250 |
| | | | | Say:- | 12993000 | 12555000 6839000 |


Sub Engineer


Sub Divisional Officer,
Buildings Sub Division Pakpattan

82493000

**AMENDED ROUGH COST ESTIMATE ON DETAIL BASED FOR THE BALANCE WORK
OF REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN
FOR THE YEAR 2022-23.**

1 Dismantling glazed or encaustic tiles etc.

Emergency Cardic Block Ground Floor. p-112

| | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-----|-----|
| Fe-Male Ward | 1 | x | 29.000 | x | 17.00 | = | 493 | Sft |
| Toilet | 1 | x | 8.000 | x | 7.500 | = | 60 | Sft |
| | 2 | x | 3.500 | x | 5.000 | = | 35 | Sft |
| ECG | 1 | x | 15.670 | x | 7.50 | = | 118 | Sft |
| Nursing Station | 1 | x | 9.000 | x | 10.00 | = | 90 | Sft |
| Toilet | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Room | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Stair Hall | 1 | x | 8.000 | x | 16.75 | = | 134 | Sft |
| Male Ward | 1 | x | 17.500 | x | 28.25 | = | 494 | Sft |
| Toilet | 2 | x | 8.500 | x | 5.00 | = | 85 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.00 | = | 384 | Sft |
| Corridor | 1 | x | 17.500 | x | 8.00 | = | 140 | Sft |
| Open | 1 | x | 18.625 | x | 8.50 | = | 158 | Sft |
| Hall | 1 | x | 16.000 | x | 15.50 | = | 248 | Sft |
| Ramp | 2 | x | 39.000 | x | 6.00 | = | 468 | Sft |
| Landing | 1 | x | 12.000 | x | 6.00 | = | 72 | Sft |

Emergency Cardic Block First Floor. p-113

| | | | | | | | | |
|-------------|---|---|--------|---|-------|---|-----|-----|
| ICU | 2 | x | 14.250 | x | 17.25 | = | 492 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.38 | = | 402 | Sft |
| Toilet | 2 | x | 5.250 | x | 7.000 | = | 74 | Sft |
| Store | 1 | x | 14.375 | x | 9.00 | = | 129 | Sft |
| Doctor Room | 1 | x | 16.000 | x | 10.38 | = | 166 | Sft |
| Cardic Ward | 1 | x | 21.250 | x | 17.50 | = | 372 | Sft |
| " " | 1 | x | 14.000 | x | 17.50 | = | 245 | Sft |
| Corridor | 1 | x | 25.500 | x | 8.00 | = | 204 | Sft |
| Toilet | 2 | x | 5.000 | x | 8.50 | = | 85 | Sft |

Dado or Skirting

Emergency Cardic Block Ground Floor.

| | | | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-------|---|-----|-----|
| Fe-Male Ward | 2 | x | 29.000 | + | 17.00 | x | 4.000 | = | 368 | Sft |
| Toilet | 2 | x | 8.000 | + | 7.500 | x | 5.000 | = | 155 | Sft |
| | 4 | x | 3.500 | + | 5.000 | x | 4.000 | = | 136 | Sft |
| ECG | 2 | x | 15.670 | + | 7.50 | x | 4.000 | = | 185 | Sft |
| Nursing Station | 2 | x | 9.000 | + | 10.00 | x | 4.000 | = | 152 | Sft |
| Toilet | 2 | x | 5.000 | + | 7.75 | x | 5.000 | = | 128 | Sft |
| Room | 2 | x | 5.000 | + | 7.75 | x | 4.000 | = | 102 | Sft |
| Stair Hall | 2 | x | 8.000 | + | 16.75 | x | 4.000 | = | 196 | Sft |
| Male Ward | 2 | x | 17.500 | + | 28.25 | x | 4.000 | = | 366 | Sft |
| Toilet | 4 | x | 8.500 | + | 5.00 | x | 5.000 | = | 270 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.00 | x | 4.000 | = | 512 | Sft |
| Corridor | 2 | x | 17.500 | + | 8.00 | x | 4.000 | = | 204 | Sft |
| Open | 2 | x | 18.625 | + | 8.50 | x | 4.000 | = | 217 | Sft |
| Hall | 2 | x | 16.000 | + | 15.50 | x | 4.000 | = | 252 | Sft |
| Ramp | 4 | x | 39.000 | + | 6.00 | x | 4.000 | = | 720 | Sft |
| Landing | 2 | x | 12.000 | + | 6.00 | x | 4.000 | = | 144 | Sft |

Emergency Cardic Block First Floor.

| | | | | | | | | | | |
|----------------|---|---|--------|---|-------|---|-------|---|--------------|------------|
| ICU | 4 | x | 14.250 | + | 17.25 | x | 4.000 | = | 504 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.38 | x | 4.000 | = | 518 | Sft |
| Toilet | 4 | x | 5.250 | + | 7.000 | x | 5.000 | = | 245 | Sft |
| Store | 2 | x | 14.375 | + | 9.00 | x | 4.000 | = | 187 | Sft |
| Doctor Room | 2 | x | 16.000 | + | 10.38 | x | 4.000 | = | 211 | Sft |
| Cardic Ward | 2 | x | 21.250 | + | 17.50 | x | 4.000 | = | 310 | Sft |
| " " | 2 | x | 14.000 | + | 17.50 | x | 4.000 | = | 252 | Sft |
| Corridor | 2 | x | 25.500 | + | 8.00 | x | 4.000 | = | 268 | Sft |
| Toilet | 4 | x | 5.000 | + | 8.50 | x | 5.000 | = | 270 | Sft |
| Total:- | | | | | | | | | 42099 | Sft |
| | | | | | | | | | 6873 | |

2 Dismantling of plain cement concrete 1:2:4

Emergency Cardic Block Ground Floor.

| | | | | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-------|---|-----|-----|-----|
| Fe-Male Ward | 1 | x | 29.000 | x | 17.00 | x | 0.125 | = | 62 | 493 | Sft |
| Toilet | 1 | x | 8.000 | x | 7.500 | | | = | 60 | | Sft |
| | 2 | x | 3.500 | x | 5.000 | | | = | 35 | | Sft |
| ECG | 1 | x | 15.670 | x | 7.50 | | | = | 118 | | Sft |
| Nursing Station | 1 | x | 9.000 | x | 10.00 | | | = | 90 | | Sft |
| Toilet | 1 | x | 5.000 | x | 7.75 | | | = | 39 | | Sft |
| Room | 1 | x | 5.000 | x | 7.75 | | | = | 39 | | Sft |
| Stair Hall | 1 | x | 8.000 | x | 16.75 | | | = | 134 | | Sft |
| Male Ward | 1 | x | 17.500 | x | 28.25 | | | = | 494 | | Sft |
| Toilet | 2 | x | 8.500 | x | 5.00 | | | = | 85 | | Sft |
| Corridor | 2 | x | 24.000 | x | 8.00 | | | = | 384 | | Sft |
| Corridor | 1 | x | 17.500 | x | 8.00 | | | = | 140 | | Sft |
| Open | 1 | x | 18.625 | x | 8.50 | | | = | 158 | | Sft |
| Hall | 1 | x | 16.000 | x | 15.50 | | | = | 248 | | Sft |
| Ramp | 2 | x | 39.000 | x | 6.00 | | | = | 468 | | Sft |
| Landing | 1 | x | 12.000 | x | 6.00 | | | = | 72 | | Sft |

Emergency Cardic Block First Floor.

| | | | | | | | | | |
|-------------|---|---|--------|---|-------|---|---|------|-----|
| ICU | 2 | x | 14.250 | x | 17.25 | / | = | 492 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.38 | / | = | 402 | Sft |
| Toilet | 2 | x | 5.250 | x | 7.000 | / | = | 74 | Sft |
| Store | 1 | x | 14.375 | x | 9.00 | / | = | 129 | Sft |
| Doctor Room | 1 | x | 16.000 | x | 10.38 | / | = | 166 | Sft |
| Cardic Ward | 1 | x | 21.250 | x | 17.50 | / | = | 372 | Sft |
| " " | 1 | x | 14.000 | x | 17.50 | / | = | 245 | Sft |
| Corridor | 1 | x | 25.500 | x | 8.00 | / | = | 204 | Sft |
| Toilet | 2 | x | 5.000 | x | 8.50 | / | = | 85 | Sft |
| Total:- | | | | | | | = | 5225 | Sft |
| | | | | | | | | 653 | |

- 3 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):
(f) Ratio 1:2:4.

Emergency Cardic Block Ground Floor.

| | | | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-------|---|----|-----|
| Fe-Male Ward | 1 | x | 29.000 | x | 17.00 | x | 0.125 | = | 62 | Cft |
| Toilet | 1 | x | 8.000 | x | 7.500 | x | 0.125 | = | 8 | Cft |
| | 2 | x | 3.500 | x | 5.000 | x | 0.125 | = | 4 | Cft |
| ECG | 1 | x | 15.670 | x | 7.50 | x | 0.125 | = | 15 | Cft |
| Nursing Station | 1 | x | 9.000 | x | 10.00 | x | 0.125 | = | 11 | Cft |

79 (77)

| | | | | | | | | | | |
|------------|---|---|--------|---|-------|---|-------|---|----|-----|
| Toilet | 1 | x | 5.000 | x | 7.75 | x | 0.125 | = | 5 | Cft |
| Room | 1 | x | 5.000 | x | 7.75 | x | 0.125 | = | 5 | Cft |
| Stair Hall | 1 | x | 8.000 | x | 16.75 | x | 0.125 | = | 17 | Cft |
| Male Ward | 1 | x | 17.500 | x | 28.25 | x | 0.125 | = | 62 | Cft |
| Toilet | 2 | x | 8.500 | x | 5.00 | x | 0.125 | = | 11 | Cft |
| Corridor | 2 | x | 24.000 | x | 8.00 | x | 0.125 | = | 48 | Cft |
| Corridor | 1 | x | 17.500 | x | 8.00 | x | 0.125 | = | 18 | Cft |
| Open | 1 | x | 18.625 | x | 8.50 | x | 0.125 | = | 20 | Cft |
| Hall | 1 | x | 16.000 | x | 15.50 | x | 0.125 | = | 31 | Cft |
| Ramp | 2 | x | 39.000 | x | 6.00 | x | 0.125 | = | 59 | Cft |
| Landing | 1 | x | 12.000 | x | 6.00 | x | 0.125 | = | 9 | Cft |

Emergency Cardic Block First Floor.

| | | | | | | | | | | |
|----------------|---|---|--------|---|-------|---|-------|---|--------------|------------|
| ICU | 2 | x | 14.250 | x | 17.25 | x | 0.125 | = | 61 | Cft |
| Corridor | 2 | x | 24.000 | x | 8.38 | x | 0.125 | = | 50 | Cft |
| Toilet | 2 | x | 5.250 | x | 7.000 | x | 0.125 | = | 9 | Cft |
| Store | 1 | x | 14.375 | x | 9.00 | x | 0.125 | = | 16 | Cft |
| Doctor Room | 1 | x | 16.000 | x | 10.38 | x | 0.125 | = | 21 | Cft |
| Cardic Ward | 1 | x | 21.250 | x | 17.50 | x | 0.125 | = | 46 | Cft |
| " " | 1 | x | 14.000 | x | 17.50 | x | 0.125 | = | 31 | Cft |
| Corridor | 1 | x | 25.500 | x | 8.00 | x | 0.125 | = | 26 | Cft |
| Toilet | 2 | x | 5.000 | x | 8.50 | x | 0.125 | = | 11 | Cft |
| Total:- | | | | | | | | | = 653 | Cft |

4. Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge
Full body Glazed tiles (ii) 600mmx 600 mm.

Emergency Cardic Block Ground Floor.

| | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-----|-----|
| Fe-Male Ward | 1 | x | 29.000 | x | 17.00 | = | 493 | Sft |
| | 2 | x | 3.500 | x | 5.000 | = | 35 | Sft |
| ECG | 1 | x | 15.670 | x | 7.50 | = | 118 | Sft |
| Nursing Station | 1 | x | 9.000 | x | 10.00 | = | 90 | Sft |
| Room | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Stair Hall | 1 | x | 8.000 | x | 16.75 | = | 134 | Sft |
| Male Ward | 1 | x | 17.500 | x | 28.25 | = | 494 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.00 | = | 384 | Sft |
| Corridor | 1 | x | 17.500 | x | 8.00 | = | 140 | Sft |
| Open | 1 | x | 18.625 | x | 8.50 | = | 158 | Sft |
| Hall | 1 | x | 16.000 | x | 15.50 | = | 248 | Sft |
| Ramp | 2 | x | 39.000 | x | 6.00 | = | 468 | Sft |
| Landing | 1 | x | 12.000 | x | 6.00 | = | 72 | Sft |

Emergency Cardic Block First Floor.

| | | | | | | | | |
|-------------|---|---|--------|---|-------|---|-----|-----|
| ICU | 2 | x | 14.250 | x | 17.25 | = | 492 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.38 | = | 402 | Sft |
| Store | 1 | x | 14.375 | x | 9.00 | = | 129 | Sft |
| Doctor Room | 1 | x | 16.000 | x | 10.38 | = | 166 | Sft |
| Cardic Ward | 1 | x | 21.250 | x | 17.50 | = | 372 | Sft |
| " " | 1 | x | 14.000 | x | 17.50 | = | 245 | Sft |
| Corridor | 1 | x | 25.500 | x | 8.00 | = | 204 | Sft |

8078

Total:- = 4883 Sft

- 5 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respects as approved and directed by the Engineer Incharge.
- a) Full body Glazed Tile (ii) 600mm x 600 mm

Emergency Cardic Block Ground Floor.

| | | | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-------|---|-----|-----|
| Fe-Male Ward | 2 | x | 29.000 | + | 17.00 | x | 4.000 | = | 368 | Sft |
| | 4 | x | 3.500 | + | 5.000 | x | 4.000 | = | 136 | Sft |
| ECG | 2 | x | 15.670 | + | 7.50 | x | 4.000 | = | 185 | Sft |
| Nursing Station | 2 | x | 9.000 | + | 10.00 | x | 4.000 | = | 152 | Sft |
| Room | 2 | x | 5.000 | + | 7.75 | x | 4.000 | = | 102 | Sft |
| Stair Hall | 2 | x | 8.000 | + | 16.75 | x | 4.000 | = | 198 | Sft |
| Male Ward | 2 | x | 17.500 | + | 28.25 | x | 4.000 | = | 366 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.00 | x | 4.000 | = | 512 | Sft |
| Corridor | 2 | x | 17.500 | + | 8.00 | x | 4.000 | = | 204 | Sft |
| Open | 2 | x | 18.625 | + | 8.50 | x | 4.000 | = | 217 | Sft |
| Hall | 2 | x | 16.000 | + | 15.50 | x | 4.000 | = | 252 | Sft |
| Ramp | 4 | x | 39.000 | + | 6.00 | x | 4.000 | = | 720 | Sft |
| Landing | 2 | x | 12.000 | + | 6.00 | x | 4.000 | = | 144 | Sft |

Emergency Cardic Block First Floor.

| | | | | | | | | | | |
|----------------------------------|---|---|--------|---|-------|---|-------|---|-------|-----|
| ICU | 4 | x | 14.250 | + | 17.25 | x | 4.000 | = | 504 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.38 | x | 4.000 | = | 518 | Sft |
| Store | 2 | x | 14.375 | + | 9.00 | x | 4.000 | = | 187 | Sft |
| Doctor Room | 2 | x | 16.000 | + | 10.38 | x | 4.000 | = | 211 | Sft |
| Cardic Ward | 2 | x | 21.250 | + | 17.50 | x | 4.000 | = | 310 | Sft |
| " " | 2 | x | 14.000 | + | 17.50 | x | 4.000 | = | 252 | Sft |
| Corridor | 2 | x | 25.500 | + | 8.00 | x | 4.000 | = | 268 | Sft |
| Total:- = 5806 Sft | | | | | | | | | 5806 | Sft |
| Dd Open - 2025 x 35 x 4.00 = 700 | | | | | | | | | - 700 | |
| | | | | | | | | | 5106 | Sft |

- 6 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36".

Emergency Cardic Block.

| | | | | | | | | |
|---------|---|---|-------|---|-------|---|-----|-----|
| Toilet | 1 | x | 8.000 | x | 7.500 | = | 60 | Sft |
| Toilet | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Toilet | 2 | x | 8.500 | x | 5.00 | = | 85 | Sft |
| Toilet | 2 | x | 5.250 | x | 7.000 | = | 74 | Sft |
| Toilet | 2 | x | 5.000 | x | 8.50 | = | 85 | Sft |
| Total:- | | | | | | = | 342 | Sft |

- 7 Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy / Matt / Texture skirting / dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

81
79Emergency Cardic Block.

| | | | | | | | | | | | |
|------------------------------------|---|---|-------|---|-------|---|-------|---|----------------|-------------|------------|
| Toilet | 2 | x | 8.000 | + | 7.500 | x | 7.000 | = | 217 | Sft | |
| Toilet | 2 | x | 5.000 | + | 7.75 | x | 7.000 | = | 179 | Sft | |
| Toilet | 4 | x | 8.500 | + | 5.00 | x | 7.000 | = | 378 | Sft | |
| Toilet | 4 | x | 5.250 | + | 7.000 | x | 7.000 | = | 343 | Sft | |
| Toilet | 4 | x | 5.000 | + | 8.50 | x | 7.000 | = | 378 | Sft | |
| <i>Yd doors 2x10x2.5x7.2 = 350</i> | | | | | | | | | Total:- | 1495 | Sft |

8 Preparing surface and painting with emulsion paint:- i/c scraping *1145 sp*Emergency Cardic Block Ground Floor.

| | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-----|-----|
| Fe-Male Ward | 1 | x | 29.000 | x | 17.00 | = | 493 | Sft |
| Toilet | 1 | x | 8.000 | x | 7.500 | = | 60 | Sft |
| | 2 | x | 3.500 | x | 5.000 | = | 35 | Sft |
| ECG | 1 | x | 15.670 | x | 7.50 | = | 118 | Sft |
| Nursing Station | 1 | x | 9.000 | x | 10.00 | = | 90 | Sft |
| Toilet | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Room | 1 | x | 5.000 | x | 7.75 | = | 39 | Sft |
| Stair Hall | 1 | x | 8.000 | x | 16.75 | = | 134 | Sft |
| Male Ward | 1 | x | 17.500 | x | 28.25 | = | 494 | Sft |
| Toilet | 2 | x | 8.500 | x | 5.00 | = | 85 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.00 | = | 384 | Sft |
| Corridor | 1 | x | 17.500 | x | 8.00 | = | 140 | Sft |
| Open | 1 | x | 18.625 | x | 8.50 | = | 158 | Sft |
| Hall | 1 | x | 16.000 | x | 15.50 | = | 248 | Sft |
| Ramp | 2 | x | 39.000 | x | 6.00 | = | 468 | Sft |
| Landing | 1 | x | 12.000 | x | 6.00 | = | 72 | Sft |

Emergency Cardic Block First Floor.

| | | | | | | | | |
|-------------|---|---|--------|---|-------|---|-----|-----|
| ICU | 2 | x | 14.250 | x | 17.25 | = | 492 | Sft |
| Corridor | 2 | x | 24.000 | x | 8.38 | = | 402 | Sft |
| Toilet | 2 | x | 5.250 | x | 7.000 | = | 74 | Sft |
| Store | 1 | x | 14.375 | x | 9.00 | = | 129 | Sft |
| Doctor Room | 1 | x | 16.000 | x | 10.38 | = | 166 | Sft |
| Cardic Ward | 1 | x | 21.250 | x | 17.50 | = | 372 | Sft |
| " " | 1 | x | 14.000 | x | 17.50 | = | 245 | Sft |
| Corridor | 1 | x | 25.500 | x | 8.00 | = | 204 | Sft |
| Toilet | 2 | x | 5.000 | x | 8.50 | = | 85 | Sft |

Emergency Cardic Block Ground Floor.

| | | | | | | | | | | |
|-----------------|---|---|--------|---|-------|---|-------|---|------|-----|
| Fe-Male Ward | 2 | x | 29.000 | + | 17.00 | x | 8.000 | = | 736 | Sft |
| | 4 | x | 3.500 | + | 5.000 | x | 8.000 | = | 272 | Sft |
| ECG | 2 | x | 15.670 | + | 7.50 | x | 8.000 | = | 371 | Sft |
| Nursing Station | 2 | x | 9.000 | + | 10.00 | x | 8.000 | = | 304 | Sft |
| Room | 2 | x | 5.000 | + | 7.75 | x | 8.000 | = | 204 | Sft |
| Stair Hall | 2 | x | 8.000 | + | 16.75 | x | 8.000 | = | 396 | Sft |
| Male Ward | 2 | x | 17.500 | + | 28.25 | x | 8.000 | = | 732 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.00 | x | 8.000 | = | 1024 | Sft |
| Corridor | 2 | x | 17.500 | + | 8.00 | x | 8.000 | = | 408 | Sft |
| Open | 2 | x | 18.625 | + | 8.50 | x | 8.000 | = | 434 | Sft |
| Hall | 2 | x | 16.000 | + | 15.50 | x | 8.000 | = | 504 | Sft |
| Ramp | 4 | x | 39.000 | + | 6.00 | x | 8.000 | = | 1440 | Sft |
| Landing | 2 | x | 12.000 | + | 6.00 | x | 8.000 | = | 288 | Sft |

82
80Emergency Cardic Block First Floor.

| | | | | | | | | | | |
|-------------|---|---|--------|---|-------|---|-------|---|------|-----|
| ICU | 4 | x | 14.250 | + | 17.25 | x | 8.000 | = | 1008 | Sft |
| Corridor | 4 | x | 24.000 | + | 8.38 | x | 8.000 | = | 1036 | Sft |
| Store | 2 | x | 14.375 | + | 9.00 | x | 8.000 | = | 374 | Sft |
| Doctor Room | 2 | x | 16.000 | + | 10.38 | x | 8.000 | = | 422 | Sft |
| Cardic Ward | 2 | x | 21.250 | + | 17.50 | x | 8.000 | = | 620 | Sft |
| " " | 2 | x | 14.000 | + | 17.50 | x | 8.000 | = | 504 | Sft |
| Corridor | 2 | x | 25.500 | + | 8.00 | x | 8.000 | = | 536 | Sft |
| Toilet | 2 | x | 8.000 | + | 7.500 | x | 5.000 | = | 155 | Sft |
| Toilet | 2 | x | 5.000 | + | 7.75 | x | 5.000 | = | 128 | Sft |
| Toilet | 4 | x | 8.500 | + | 5.00 | x | 5.000 | = | 270 | Sft |
| Toilet | 4 | x | 5.250 | + | 7.000 | x | 5.000 | = | 245 | Sft |
| Toilet | 4 | x | 5.000 | + | 8.50 | x | 5.000 | = | 270 | Sft |

Emergency Block Ground Floor

p-108

| | | | | | | | | |
|----------------|---|---|--------|---|-------|---|------|-----|
| Dressing | 2 | x | 17.250 | x | 15.75 | = | 543 | Sft |
| Plaster | 1 | x | 17.250 | x | 15.75 | = | 272 | Sft |
| Toilet | 1 | x | 9.750 | x | 10.25 | = | 100 | Sft |
| " " | 1 | x | 6.750 | x | 6.42 | = | 43 | Sft |
| Waiting | 1 | x | 26.250 | x | 55.25 | = | 1450 | Sft |
| Nurs | 1 | x | 8.250 | x | 8.250 | = | 68 | Sft |
| Clean | 1 | x | 40.500 | x | 8.250 | = | 334 | Sft |
| Scrub | 1 | x | 8.250 | x | 7.50 | = | 62 | Sft |
| Sterlization | 1 | x | 8.250 | x | 7.25 | = | 60 | Sft |
| Emergency ward | 1 | x | 17.250 | x | 21.25 | = | 367 | Sft |
| Dr. Office | 1 | x | 17.250 | x | 15.75 | = | 272 | Sft |

Emergency Block Ground Floor

p-108

| | | | | | | | | | | |
|----------------|---|---|--------|---|-------|---|-------|---|------|-----|
| Dressing | 4 | x | 17.250 | + | 15.75 | x | 8.000 | = | 1056 | Sft |
| Plaster | 2 | x | 17.250 | + | 15.75 | x | 8.000 | = | 528 | Sft |
| Toilet | 2 | x | 9.750 | + | 10.25 | x | 5.000 | = | 200 | Sft |
| " " | 2 | x | 6.750 | + | 6.42 | x | 5.000 | = | 132 | Sft |
| Waiting | 2 | x | 25.125 | + | 55.25 | x | 8.000 | = | 1286 | Sft |
| Nurs | 2 | x | 8.250 | + | 8.250 | x | 8.000 | = | 264 | Sft |
| Clean | 2 | x | 40.500 | + | 8.250 | x | 8.000 | = | 780 | Sft |
| Scrub | 2 | x | 8.250 | + | 6.00 | x | 8.000 | = | 228 | Sft |
| Sterlization | 2 | x | 8.250 | + | 7.25 | x | 8.000 | = | 248 | Sft |
| Emergency ward | 2 | x | 17.250 | + | 21.25 | x | 8.000 | = | 616 | Sft |
| Dr. Office | 2 | x | 17.250 | + | 15.75 | x | 8.000 | = | 528 | Sft |

2x43x3-5x4 = 1204
= 802
1706

Total:- = 27342
- 1706
25636

9 P/Applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect old surface after scraping.

Emergency Block

2.00 x 73.125 + 65.500 x 16.000 = 4436 Sft

83 (81)

$$2.00 \times 73.125 + 65.500 \times 30.500 = 8456 \text{ Sft}$$

$$\text{Total:-} = 12892 \text{ Sft}$$

D/d window

$$19 \times 3.00 \times 4.00 = 228 \text{ Sft}$$

$$6 \times 3.00 \times 3.00 = 54 \text{ Sft}$$

$$3 \times 6.50 \times 5.00 = 98 \text{ Sft}$$

$$1 \times 4 \times 7.00 = 28 \text{ Sft}$$

$$21 \times 3 \times 1.50 = 95 \text{ Sft}$$

$$\text{Total:-} = 502 \text{ Sft}$$

$$\text{Net:-} = 12390 \text{ Sft}$$

Providing and fixing deodar wood dolly frame having $1\frac{1}{2} \times 1\frac{1}{2}$ " (40 x 40 mm) vertical and horizontal double post with $1\frac{1}{2} \times 1\frac{1}{2}$ " (40 x 40 mm) full width of jamae braces at 12" (300 mm) including filling of the spaces in between braces with 1:3:6 PCC fixing ply of approved quality including holdfasts complete in all respects. a) Teak wood ply.

$$1 \times 6.50 \times 9.00 = 59 \text{ Sft}$$

$$1 \times 3 \times 5.50 = 17 \text{ Sft}$$

$$4 \times 3.50 \times 7.00 = 98 \text{ Sft}$$

$$1 \times 11.00 \times 8.75 = 96 \text{ Sft}$$

$$1 \times 3.00 \times 7.00 = 21 \text{ Sft}$$

$$\text{Total:-} = 290 \text{ Sft}$$

P/F $1\frac{1}{2}$ " thick solid flush door comprising of 2.5mm thick Deodar / Ash / Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and $\frac{3}{8}$ " thick matching wooden lipping as approved and directed by the Engineer Incharge.

$$1 \times 6.50 \times 9.00 = 59 \text{ Sft}$$

$$1 \times 3 \times 5.50 = 17 \text{ Sft}$$

$$4 \times 3.50 \times 7.00 = 98 \text{ Sft}$$

$$1 \times 11.00 \times 8.75 = 96 \text{ Sft}$$

$$1 \times 3.00 \times 7.00 = 21 \text{ Sft}$$

$$\text{Total:-} = 290 \text{ Sft}$$

12 Removing windows and sky lights with chowkat.

$$= 50 \text{ Nos.}$$

13 Removing door with chowkat.

$$= 8 \text{ Nos.}$$

Providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and partly sliding using deluxe section of 100mm x 40mm x 2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x 2 mm (70506) at Top & Bottom, 35mm x 60mm x 2 mm (70505) at center and 35mm x 60mm x 2 mm (70503) at sides, fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc. (excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.

$$19 \times 3.00 \times 4.00 = 228 \text{ Sft}$$

| | | | | | | | |
|---------|---|------|---|------|---|-----|-----|
| 6 | x | 3.00 | x | 3.00 | = | 54 | Sft |
| 3 | x | 6.50 | x | 5.00 | = | 98 | Sft |
| 1 | x | 4 | x | 7.00 | = | 28 | Sft |
| 21 | x | 3 | x | 1.50 | = | 95 | Sft |
| Total:- | | | | | = | 502 | Sft |

- Providing and fixing Aluminum Fly screen comprising of Fiber/Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer
- 15 brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket/ c cost of Hardware sas approved and directed by the engineer incharge. complete in all respect.

$$\frac{502}{2} = 251 \text{ Sft}$$

- Providing and laying non slipary tile on ramp or stair steps full width laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect (master dwv series class sb or equivalent).
- 16

Ramp

| | | | | | | | |
|---------|---|--------|---|--------|---|------|-----|
| 3 | x | 39.000 | x | 16.250 | = | 1901 | Sft |
| 1 | x | 12.000 | x | 16.250 | = | 195 | Sft |
| Total:- | | | | | = | 2096 | Sft |

- Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture
- 17 (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona

| | | | | | | | |
|---------|---|-------|---|------|---|------|-----|
| 19 | x | 3.00 | x | 1.25 | = | 71 | Sft |
| 6 | x | 3.00 | x | 1.25 | = | 23 | Sft |
| 3 | x | 6.50 | x | 1.25 | = | 24 | Sft |
| 1 | x | 4 | x | 1.25 | = | 5 | Sft |
| 21 | x | 3 | x | 1.25 | = | 79 | Sft |
| 30 | x | 4.00 | x | 1.88 | = | 225 | Sft |
| 2 | x | 8.00 | x | 5.00 | = | 80 | Sft |
| 20 | x | 12.00 | x | 1.50 | = | 360 | Sft |
| 20 | x | 8.00 | x | 1.50 | = | 240 | Sft |
| 5 | x | 10.00 | x | 1.50 | = | 75 | Sft |
| 4 | x | 6.00 | x | 1.50 | = | 36 | Sft |
| 8 | x | 15.00 | x | 1.50 | = | 180 | Sft |
| Total:- | | | | | = | 4398 | Sft |

- Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8" MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embedded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supported with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge (Measurement will be made above ground level).
- 18

$$1 \times 29.00 = 29 \text{ Rft}$$

87
(83)

- 19 Providing and fixing of wall mounted stainless steel 18-SWG surgical Scrub sink for 2-person size 6'x2'-1/2' and 3-1/2' height with removeable front panels for ease of access the bottom surface to be sloped bottom to minimize splashing and over spill alongwith a flat strainer drain. The unit is complete with elbow action, spray head, mirror best quality 8mm thick glass size 6'x2'. Locally manufactured i/c frame, complete in all respect, as per instruction of all consultants and as approved by the Engineer Incharge.

= 1 Nos.

- 20 Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

= 8 Nos.

- 21 Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge

| | | | | | | | | |
|-------------------|---|---|--------|---|-------|---|--------|-----------|
| Operation theater | 1 | x | 17.250 | x | 21.25 | = | 367 | Sft |
| | 2 | x | 17.250 | + | 21.25 | x | 12 | = 924 Sft |
| Total:- | | | | | | | = 1291 | Sft |

- 22 P/F of Elbow action best qty complete in all respect as approved and directed by the Engineer Incharge.

= 2 Nos.

- 23 Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

2 x 25.000 x 4.00 = 200 Rft

- 24 Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- a) On interior surface (without mastic strip)

| | | | | | | |
|---------|---|---|--------|---|-------|-----|
| | 3 | x | 24.000 | = | 72 | Rft |
| | 3 | x | 15.50 | = | 47 | Rft |
| | 2 | x | 8 | = | 16 | Rft |
| Total:- | | | | | = 135 | Rft |

- 25 Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. Lumens: 110Lumn/Watt (i) 36 watt

= 50
155 Nos.

86

- Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-
- 26 a) 4" dia (100 mm) cast iron down pipe.

$$10 \times 27 = 270 \text{ Rft}$$

- Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/S Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections
- 27 including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the Engineer in-charge.

| | | | | | | | | |
|-----------|---|---|------|---|------|---|-----|-----|
| Main ent. | 2 | x | 5.50 | x | 8.50 | = | 94 | Sft |
| | 1 | x | 6.00 | x | 8.50 | = | 51 | Sft |
| Total:- | | | | | | = | 145 | Sft |

- Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void
- 28 with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting charges on approved & directed by the Engineer Incharge

$$10 \times 2.500 \times 7.000 = 175 \text{ Sft}$$

Total:- = 175 Sft

- Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c
- 29 i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.

| | | | | | | | | |
|-------------------|---|---|--------|---|-------|---|-----|-----|
| Operation theater | 1 | x | 17.250 | x | 21.25 | = | 367 | Sft |
| Total:- | | | | | | = | 367 | Sft |

87
(85)

ELECTRIC INSTALLATION

| Sr. No | Description | Qty | Unit | Rate | Amount |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------|---------|----------------------------|
| 1 | Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. (a) Plastic body ii) 12 " dia | 15 | Each | 3133.00 | 46995 |
| 2 | Supply and erection of PVC pipe for wiring recessed in walls including inspection boxes, pull boxes, hooks, cutting jharries and repairing surface, etc., complete with all specials 50 mm i/d | 3000 | P.Rft | 183.45 | 550350 |
| ii | -----do----- 32mm i/dia | 1500 | P.Rft | 120.60 | 180900 |
| iii | -----do----- 25mm i/dia | 1200 | P.Rft | 94.60 | 113520 |
| 3 | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (Large 06 Gange) | 20 120 | Each | 1162.50 | 23250 139500 |
| 4 | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (Small 02 Gange) | 20 98 | Each | 634.50 | 12690 62181 |
| 5 | P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge (Large Size) | 20 120 | Each | 158.10 | 3162 18972 |
| 6 | P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge (Small Size) | 20 84 | Each | 134.10 | 2682 11204 |
| 7 | P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge (Three Pin Power Plug 15-32 Amp) | 20 80 | Each | 754.50 | 15090 60360 |
| 8 | Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 3/0.74 mm (3/0.029") | 1000 5000 | P.Rft | 24.75 | 24750 123750 |
| 9 | Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 7/0.74 mm (7/0.029") | 1000 6000 | P.Rft | 39.85 | 39850 239100 |

88
(86)

| Sr. No | Description | Qty | Unit | Rate | Amount |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|----------------------|---------|
| 10 | Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5mm thick (7SWG) galvanized steel, tapered from 225 mm at bottom to 100mm at top, with 1500mmx60mmx4mm thick dia. arm for luminai reinstallation, duly G.I. welded with 470x470x20mm base plate with the help of 4no triangular stiffeners 100x350x20mm of GI sheet, with builtin junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge (Single Arm 10 mtr height) | 20 | Each | 106230.65 | 2124613 |
| 11 | Supply and fitting of mercury vapour lamp, complete with set. i) 125 watt lamp | 20 | Each | 1796.80 | 35936 |
| Total | | | | | 3707441 |

121474

Sub Divisional Officer
Buildings Sub Division
Pakpattan

[Signature]

[Signature]
Executive Engineer
Pakpattan

| POWER WIRING | | | | | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|------------|------------|
| S.# | Description | Qty | Unit | Rate | Amount |
| A | <u>L.T. (LV) SUB-STATION EQUIPMENT:</u> | | | | |
| 1 | P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4-wire, 50 HZ TPN& E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories, assembled & wired with Electrolytic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally) | | | | |
| | ATS (Incoming from 630 KVA Transformer & 200 KVA Generator) | | | | |
| | b) 2.00 Ft deep | | | | |
| | (i) 200 KVA | 1 | each | 1833651.55 | 1833651.55 |
| | Incoming Breakers for ATS (Incoming from 630 KVA Transformer & 200 KVA Generator) | | | | |
| 1 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 400A(36 KA) (One For 630 KVA Transformer and One for 200 KVA Generator) | 2 | each | 62433 | 124866 |
| 2 | P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |

| S.# | Description | Qty | Unit | Rate | Amount |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------|---------|
| | Main DB (for ACs of 630 KVA Transformer and for ACs of 200 KVA Transformer) | | | | |
| | Incoming from 630 KVA Transformer and 200 KVA Transformer | | | | |
| i) | LT Switchboards | | | | |
| | a) 2.50 Ft deep | | | | |
| | (i) 300A (3.0'x6'x2.5') | 2x45 | each | 3433.8 | 309042 |
| | Incoming Breaker for Main DB (for ACs of 630 KVA Transformer and for ACs of 200 KVA Transformer) | | | | |
| 1 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| (a) | Tripple Pole 300A(36 KA) (1*2=2) | 2 | each | 62,433.00 | 124866 |
| | Outgoing Breakers for Main DB (for ACs of 630 KVA Transformer and for ACs of 200 KVA Transformer) | | | | |
| 1 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| (a) | Tripple Pole 100A(36 KA) (5*2=10) | 10 | each | 17433 | 174330 |
| 3 | P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | Main DB (for X-Ray Machine) | | | | |
| | Incoming from Electrical Room | | | | |
| (a) | 12" deep | | | | |
| | (ii) 100A (30"x22"x6") | 2-29 | each | 13765.05 | 31539.2 |

| S.# | Description | Qty | Unit | Rate | Amount |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|-------|--------|
| | Incoming Breaker for Main DB (for X-Ray Machine) | | | | |
| 1 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer-Incharge. | | | | |
| | (a) Tripple Pole 100A(36 KA) | 1 | each | 17433 | 17433 |
| 4 | P/E wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type) Powder-coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). | | | | |
| | Main DB (1 for Gyne, Peads Wards, TB Clinic, 1 for Medical Surgical Ward 1st floor at exisitng Bus Bar at top of wall, 1 for Blood Bank 1st floor back gallery at top of wall, 1 for Admin Block) | | | | |
| | Incoming from Electrical Room | | | | |
| | (a) 12" deep | | | | |
| | (ii) 200A (30"x22"x6") | 4x229 = 916 | each | 4497 | 41193 |
| | Incoming Breakers for Main DB (1 for Gyne, Peads Wards, TB Clinic, 1 for Medical Surgical Ward 1st floor at exisitng Bus Bar at top of wall, 1 for Blood Bank 1st floor back gallery at top of wall, 1 for Admin Block) | | | | 247335 |
| 1 | Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| | (a) Tripple Pole 200A(36 KA) (1*4=4) | 4 | each | 39813 | 159252 |
| | Outgoing Breakers for Main DB (1 for Gyne, Peads Wards, TB Clinic, 1 for Medical Surgical Ward 1st floor at exisitng Bus Bar at top of wall, 1 for Blood Bank 1st floor back gallery at top of wall, 1 for Admin Block) | | | | |

| S.# | Description | Qty | Unit | Rate | Amount |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|----------|--------------|
| 1 | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| (a) | Tripple Pole 100A(36 KA) (3*4=12) | 12 | each | 17433 | 209196 |
| 5 | Breakers for Exisitng DBs | | | | |
| 1 | Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. | | | | |
| (a) | Tripple Pole 400A(36 KA) (for 200 KVA Transformer in existing Electrical Room of OPD) | 1 | each | 62433 | 62433 |
| (b) | Tripple Pole 300A(36 KA) (for 100 KVA Generator in existing ATS panel in Electrical Room) | 1 | each | 62433 | 62433 |
| 6 | Providing and fixing screwless cable tray cover fabricated with 18 SWG G.I. Sheet of required size i/c the cost of hardware as approved and directed by the Engineer Incharge. | | | | |
| (ii) | 6" wide | 2000 | 500 rft | 149.6 | 299200-74800 |
| B | LT POWER CABLE. | | | | |
| | Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- | | | | |
| 1 | 185 mm sq (37/0.103") PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for 200 KVA Transformer) | 350 | rft | 7,119.40 | 2491790 |

| S.# | Description | Qty | Unit | Rate | Amount |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|----------|-----------------------|
| 2 | 70 mm sq (61/0.099") PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Dialysis 1 Main DB) | 500 | rft | 2,656.70 | 1328350 |
| 3 | 7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for ACs) | 200 | rft | 160.2 | 32040 |
| C. WAPDA CHARGES | | | | | 3,000,000 |
| TOTAL | | | | | 10,283,357 |

[Signature]
 Executive Engineer Building
 Sub Division Pakpattan

[Signature]
 Sub Divisional Officer
 Buildings Sub Division
 Pakpattan

7301615 7077215 ~~7283357~~
 d/d DB Light - 15000/-
 7062215 ~~7133357~~
 7286615
 3707411/-
 Total 2 ~~108407887~~

DETAIL OF NURSING COUNTER

2nd BI-Annual 2022

1. Pacca brick work 1:6 ground floor.

| | | | | | | | | | |
|---------|---|-------|---|-------|---|------|---|----|-----|
| 1 | x | 12.00 | x | 2.250 | x | 1 | = | 27 | Cft |
| 1 | x | 3.50 | x | 2.250 | x | 1 | = | 8 | Cft |
| 1 | x | 12.00 | x | 0.750 | x | 2.75 | = | 25 | Cft |
| 1 | x | 3.50 | x | 0.750 | x | 2.75 | = | 7 | Cft |
| 4 | x | 1.75 | x | 0.375 | x | 2.75 | = | 7 | Cft |
| Total:- | | | | | | | | 74 | Cft |

@ 30762.50 % Cft = 22783 /-

2 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)

| | | | | | | | | | |
|---------|---|--------|---|-------|---|------|---|----|-----|
| 3 | x | 12.000 | x | 2.000 | x | 0.50 | = | 36 | Cft |
| 3 | x | 3.50 | x | 2.000 | x | 0.50 | = | 11 | Cft |
| 3 | x | 12.00 | x | 1.500 | x | 0.33 | = | 18 | Cft |
| 3 | x | 3.50 | x | 1.500 | x | 0.33 | = | 5 | Cft |
| Total:- | | | | | | | | 70 | Cft |

@ 556.50 P.Cft = 38686 /-

3 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)

$$70 \times 6.750 \times 0.454 = 213 \text{ Kg}$$

@ 31398.25 % KG = 66890 /-

4 1/2" thick cement plaster 1:4 upto 20' height.

| | | | | | | | |
|---------|---|-------|---|------|---|-----|-----|
| 2 | x | 12.00 | x | 1.00 | = | 24 | Sft |
| 2 | x | 3.50 | x | 1.00 | = | 7 | Sft |
| 2 | x | 12.00 | x | 2.75 | = | 66 | Sft |
| 2 | x | 3.50 | x | 2.75 | = | 19 | Sft |
| 8 | x | 1.75 | x | 2.75 | = | 39 | Sft |
| Total:- | | | | | = | 155 | Sft |

@ 3241.60 % Sft = 5016 /-

5 Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respects as approved and directed by the Engineer. Incharge. (i) 3/4" thick

| | | | | | | | |
|---------|---|-------|---|-------|---|-----|-----|
| 1 | x | 12.00 | x | 2.250 | = | 27 | Sft |
| 1 | x | 3.5 | x | 2.25 | = | 8 | Sft |
| 1 | x | 12 | x | 1.75 | = | 21 | Sft |
| 1 | x | 3.5 | x | 1.75 | = | 6 | Sft |
| 2 | x | 12 | x | 3.75 | = | 90 | Sft |
| 2 | x | 3.5 | x | 3.75 | = | 26 | Sft |
| 2 | x | 2.25 | x | 3.75 | = | 17 | Sft |
| 8 | x | 1.75 | x | 2.25 | = | 32 | Sft |
| Total:- | | | | | = | 227 | Sft |

@ 1308.95 P.Sft = 296641 /-

Total:- = 430017 /-

Add 3% contingency 12901 /-

Total:- = 442917 /-

Executive Engineer
Buildings Division Pakpattan

Sub Divisional Officer
Buildings Sub Division Pakpattan

(985)

DETAIL OF EXTENSION OF WAITING HALL

2nd Bi-Annual 2022

- 1 Dismantling brick work in lime or cement mortar.

| | | | | | | | | | |
|---------|---|--------|---|-------|---|----|---|---------|------------------|
| 2 | x | 19.625 | x | 0.750 | x | 12 | = | 353 | Cft |
| 2 | x | 10.00 | x | 0.750 | x | 12 | = | 180 | Cft |
| 2 | x | 7.00 | x | 0.750 | x | 12 | = | 126 | Cft |
| Total:- | | | | | | | | 659 | Cft |
| @ | | | | | | | | 4317.45 | % Cft = 28463 /- |

- 2 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) Type C (nominal mix 1: 2: 4)

| | | | | | | | | | |
|---------|---|--------|---|-------|---|------|---|--------|------------------|
| 2 | x | 19.625 | x | 1.000 | x | 1.25 | = | 49 | Cft |
| 2 | x | 10.00 | x | 1.000 | x | 1.25 | = | 25 | Cft |
| 2 | x | 7.00 | x | 1.000 | x | 1.25 | = | 18 | Cft |
| 1 | x | 20.25 | x | 1.125 | x | 1.25 | = | 28 | Cft |
| Total:- | | | | | | | | 120 | Cft |
| @ | | | | | | | | 556.50 | P.Cft = 66802 /- |

- 3 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)

| | | | | | | | |
|------------|---|--------|---|-------|---|-----|------------------|
| 120 | x | 10.500 | x | 0.454 | = | 572 | Kg |
| @ 31398.25 | | | | | | | % KG = 179669 /- |

- 4 1/2" thick cement plaster 1:4 upto 20' height.

| | | | | | | | |
|---------|---|--------|---|------|---|---------|------------------|
| 4 | x | 19.625 | x | 4.00 | = | 314 | Sft |
| 4 | x | 10.00 | x | 4.00 | = | 160 | Sft |
| 4 | x | 7.00 | x | 4.00 | = | 112 | Sft |
| 2 | x | 20.25 | x | 4.00 | = | 162 | Sft |
| Total:- | | | | | = | 748 | Sft |
| | | | | | @ | 3241.60 | % Sft = 24247 /- |

- 5 Preparing surface and painting with emulsion paint:- i/c scraping

| | | | | | | | |
|---------|---|--------|---|------|---|---------|------------------|
| 4 | x | 19.625 | x | 4.00 | = | 314 | Sft |
| 4 | x | 10.00 | x | 4.00 | = | 160 | Sft |
| 4 | x | 7.00 | x | 4.00 | = | 112 | Sft |
| 2 | x | 20.25 | x | 4.00 | = | 162 | Sft |
| Total:- | | | | | = | 748 | Sft |
| | | | | | @ | 2796.55 | % Sft = 20918 /- |

- 6 Providing and laying supero quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles (ii) 600mmx 600 mm.

2 x 19.625 x 0.750
2 x 10.00 x 0.750
2 x 7.00 x 0.750

= 29 Sft
= 15 Sft
= 11 Sft

Total:- = 55 Sft

@ 340.50 P.Sft = 18706 /-

Total:- = 338805 /-

Add 3% contingency 10164 /-

Total:- = 348969 /-


Executive Engineer
Buildings Division Pakpattan


Sub Divisional Officer
Buildings Sub Division Pakpattan



987

DETAIL ESTIMATE FOR COLLECTING TANK Size 20' Dia

| S.No | Description | No | Length | Breadth | Depth | Contents | Amount |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|---------|----------|-------------|--------|
| 1 | Excavation of well in dry upto 20'(6 metre) below ground level, and disposal of soil within one chain (30 metre) a) in ordinary soil or sand | | | | | | |
| i) | 0' to 5' | 3.14 x | 25 x | 25 x | 5 = | 2453 Cft | |
| | | | | @ | 7547.95 | %Cft | 18515 |
| | 5.1 to 10' | 3.14 x | 25 x | 25 x | = | 491 Cft | |
| | | | | @ | 7883.15 | %Cft | 3871 |
| | 10.1 to 15' | 3.14 x | 25 x | 25 x | 5 = | 2453 Cft | |
| | | | | @ | 8868.55 | %Cft | 21755 |
| | 15.1 to 20' | 3.14 x | 25 x | 25 x | 5 = | 2453 Cft | |
| | | | | @ | 10179.05 | %Cft | 24969 |
| 2 | Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8 | | | | | | |
| | | 3.14 x | 25 x | 6.25 x | 0.75 = | 368 Cft | |
| | | | | @ | 24738.85 | %Cft | 91039 |
| 3 | (a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (1) Type A | | | | | | |
| | Base. | 3.14 x | 23.25 x | 0.375 x | 20 = | 548 Cft | |
| | Core wall. | 3.14 x | 25 x | 6.25 x | 0.5 = | 245 Cft | |
| | Core wall. | 3.14 x | 23.25 x | 23.25 x | 0.125 = | 212 Cft | |
| | | | | | Total: = | 1005 Cft | |
| | | | | @ | 457.75 | P.Cft | 460039 |
| 4 | (a) (i) Reinforced cement concrete in roof slab, | | | | | | |
| | | 3.14 x | 23.25 x | 0.375 x | 20 = | 548 Cft | |
| | | 3.14 x | 25 x | 6.25 x | 0.5 = | 245 Cft | |
| | | | | | = | 793 Cft | |
| | | | | @ | 556.5 | P.Cft | 441305 |
| 5 | Fabrication of mild steel reinforcement for | | | | | | |
| | | 50 x | 6.125 x | 0.667 x | 0.454 = | 204 Kgs | |
| | | 12 x | 27.875 x | 0.375 x | 0.454 = | 125 Kgs | |
| | | 47 x | 20 x | 0.667 x | 0.454 = | 627 Kgs | |
| | | 47 x | 23.125 x | 0.667 x | 0.454 = | 329.13 Kgs | |
| | | 46 x | 23.125 x | 0.667 x | 0.454 = | 322.12 Kgs | |
| | | | | | = | 1607.25 Kgs | |
| | | | | @ | 31398.25 | %Kgs | 504648 |
| 6 | Pacca brick work other than buildings 1 : 4 | | | | | | |
| | | 3.14 x | 23.25 x | 0.75 x | 20 = | 1095 Cft | |
| | | 3.14 x | 20 x | 0.375 x | 20 = | 471 Cft | |
| | | | | | Total: = | 1566 Cft | |
| | | | | @ | 31336.3 | %Cft | 490726 |
| 7 | 1/2" thick cement plaster 1:4. | | | | | | |
| | | 3.14 x | 20 x | 20 x | = | 1256 Sft | |
| | | | | @ | 3241.6 | %Sft | 40714 |

9698

8

Providing and fixing 1 1/4"x1 1/4"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.

2 x 10 -

@

590.65

Each

20 Nos
11813

9 Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x1/4" (75x75x6mm) angle iron frame, 22" (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects.

@

11,091.90

Each

2 Nos
22184

10 Providing and fixing Non Clogging Centrifugal Pump Size 2-1/2"x3" with 5-BHP (KSB / Equivalent) electric motor 3-phase i/c carriage and fixing with electric cable 7/0.064" four core and main circuit breaker 100-Amp with foundation complete in all respect as approved by the Engineer In-charge.

Detail attached

1 No.
1065000


Total: 3196578

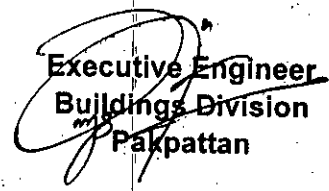
Add 3% Contingency:-


95897

Total: 3292475

Say Rs: 3292000


Sub Divisional Officer
Buildings Sub Division
Pakpattan


Executive Engineer
Buildings Division
Pakpattan



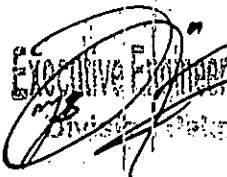
ANALYSIS OF RATE.

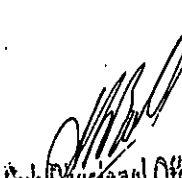
Providing and fixing Non Clogging Centrifugal Pump Size 2-1/2"x3" with 5-BHP (KSB / Equivalent) electric motor 3-phase l/c carriage and fixing with electric cable 7/0.064" four core and main circuit breaker 100-Amp with foundation complete in all respect as approved by the Engineer In-charge!


Unit = Each

Rate 2nd Bi-Annual 2022

| | | | |
|----|----------------------------------------------------------------------------------------------------------|------------------|--------------------|
| 1. | Cost of Clogging Centrifugal Pump size 2-1/2"x3" with 5-BHP (KSB / Equivalent) electric motor 3-phase . | | |
| | 1 No. | @ 1020000/- Each | Rs.1020000/- |
| 2. | Carriage | L.S | Rs. 10000/- |
| 3. | Fixing Charges. | L.S | <u>Rs. 35000/-</u> |
| | | Total:- = | Rs.1065000/- |


Executive Engineer Building
Sub Division Pakpattan


Sub Divisional Officer Building
Sub Division Pakpattan



98 100

From .

The Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

To

The Secretary,
Government of the Punjab,
Primary & Secondary Healthcare Department,
Lahore.

Memo No. CEB(CZ)/ _____ /D(1), Dated: 07/2021.

Subject: - ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN. (ADP NO.792/2021-22).

The Rough Cost Estimate amounting to *Rs.105.823 Million* based on rates of MRS 2nd Bi-annual 2021 duly signed/vetted by the Chief Engineer, Punjab Buildings Department, Central Zone, Lahore is sent herewith for further necessary action regarding its Administrative Approval and arrangement of funds.

The responsibility regarding all field data 100% lies upon the field formation.

D.A/Estimate
Rs. 105.823 (M)

DESIGN OFFICER
for Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

Endstt: No. CEB(CZ)/ 2891-93 /D(1), Dated: 29 /07/2021.

Copy is forwarded to the:-

- i) Superintending Engineer, Buildings Circle, Sahiwal, for information with reference to his memo No.628/D, dated 27-07-2021.
- ii) Superintendent Monitoring (Local).
- iii) Chief Draftsman (Local).

DESIGN OFFICER
for Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

911/161

PROVINCE PUNJAB

STATION

PAKPATTAN

DIVISION

EXECUTIVE ENGINEER BUILDINGS
DIVISION PAKPATTAN

SUB DIVISION

SUB DIVISIONAL OFFICER BUILDINGS
SUB DIVISION, PAKPATTAN.

NAME OF WORK

ROUGH COST ESTIMATE FOR THE
REVAMPING OF DISTRICT HEAD
QUARTER HOSPITAL PAKPATTAN
ADP NO.792 FOR THE YEAR 2021-22

HEAD OF ACCOUNT.

AMOUNT

105.887 (M)
125.887 -
Rs. 133.523 (Million)

ROUGH COST ESTIMATE FOR THE REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL PAKPATTAN
ADP NO.792 FOR THE YEAR 2021-22

| Sr # | Plinth Area | Unit | Plinth Area Rates (2nd Bi Annual 2021) | | | | | | | | | Total | Amount | Remarks |
|------|-------------|------|----------------------------------------|---------------------------------------|-----------------|---------------------------------------------------------|------------------------------------------|---------------------------|------|------|--------|-------|--------|---------|
| | | | B.P. | Add for Each 1 foot deeper foundation | Frame Structure | Extra for foundation for 1st Floor and Subsequent floor | Extra for 1st floor and subsequent floor | Reduce cost of foundation | P.H. | E.I. | Sui Ga | | | |
| | | | | | | | | | | | | | | |

1. Revamping of Old Building

54863337

Detail attached

383804577

4325800
2. Provision of 1/2 Cusec Turbine i/c Boring

405700

84167007

9042500
3. Provision of Pumping Chamber

904 97835

144260

118

16668680

115492501
4. Provision of Sewer Line

904 97835

144260

118

16668680

115492501
5. Electric Installation (Internal wiring)

904 97835

144260

118

16668680

115492501
6. Public Health Fitting

904 97835

144260

92

12995920

90045007
7. Construction of Boundary wall 9" thick 8" height

350

P.R.R

5151

5151

1802850

100
102

| | | | | | | | | | | | | |
|----------|-----------------------------------|----------------|-------|--------|--|--|--|--|--|--|---------|------------|
| 8 10. | Provision of Barbic wire Fencing. | 350 | P.Rft | 499 | | | | | | | 499 | 174650 |
| 9 11. | Provision of Tuff Tile. | | | | | | | | | | 344 | 3009000 |
| 10. | Provision of Waiting Shed | 2065 | P.Sft | 2365 | | | | | | | 2365 | 4883725 |
| 13. | Provision of Parking Shed | 40370 19500 | P.Sft | 291.06 | | | | | | | 291.06 | 11750092.2 |
| | Add for Punjab Sales Tax 5% | | | | | | | | | | Total- | 127765008 |
| | | | | | | | | | | | | 655032 |
| | | | | | | | | | | | Total- | 133523200 |
| | | | | | | | | | | | Say Rs. | 133523200 |

Say Rs. 133.523 (M)

EXECUTIVE ENGINEER
Buildings Division Pakpattan

SUB DIVISIONAL OFFICER
Buildings Sub Division Pakpattan

SUB ENGINEER

Superintending Engineer,
Buildings Circle, Sahiwal.

TECHNICALLY VETTED

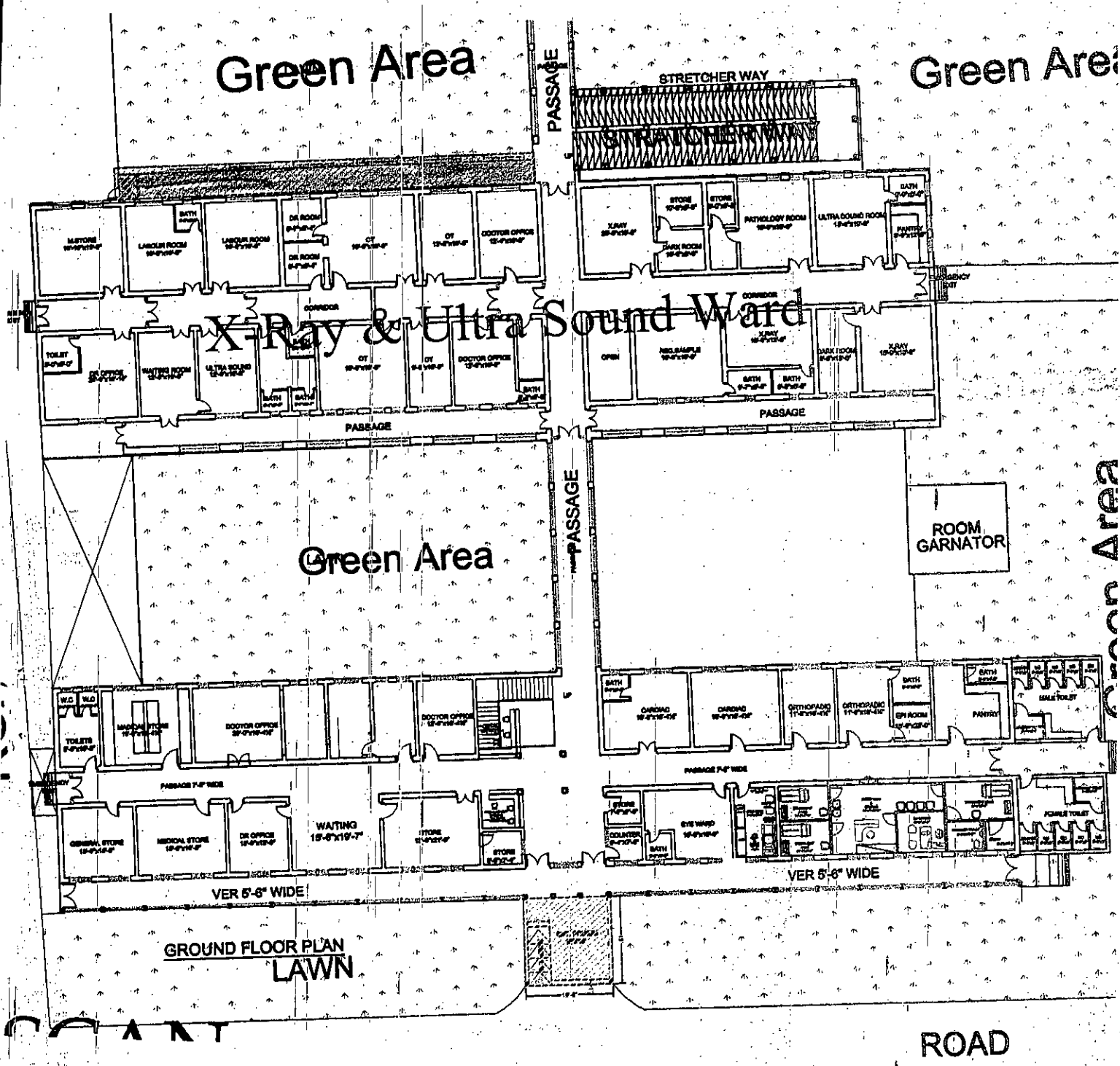
For Rs. 105.823 (Million)

Chief Engineer Punjab Buildings Deptt. Central Zone, Lahore.

Design Officer Punjab Buildings Deptt. Central Zone, Lahore.

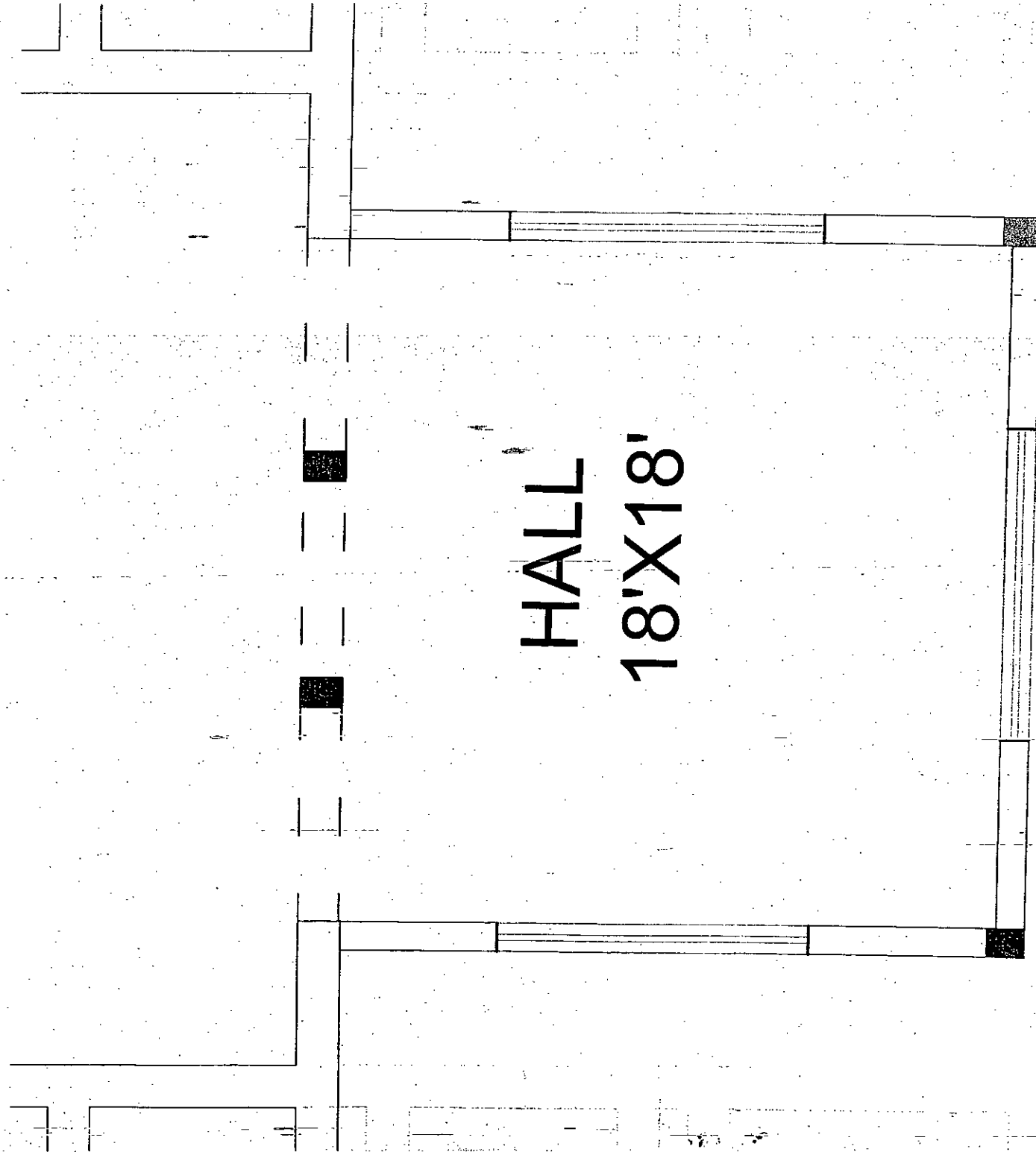
Chief Draftsman Punjab Buildings Deptt. Central Zone, Lahore.

104.



$$\text{Area} = 97.375 \times 7.875 = 768$$





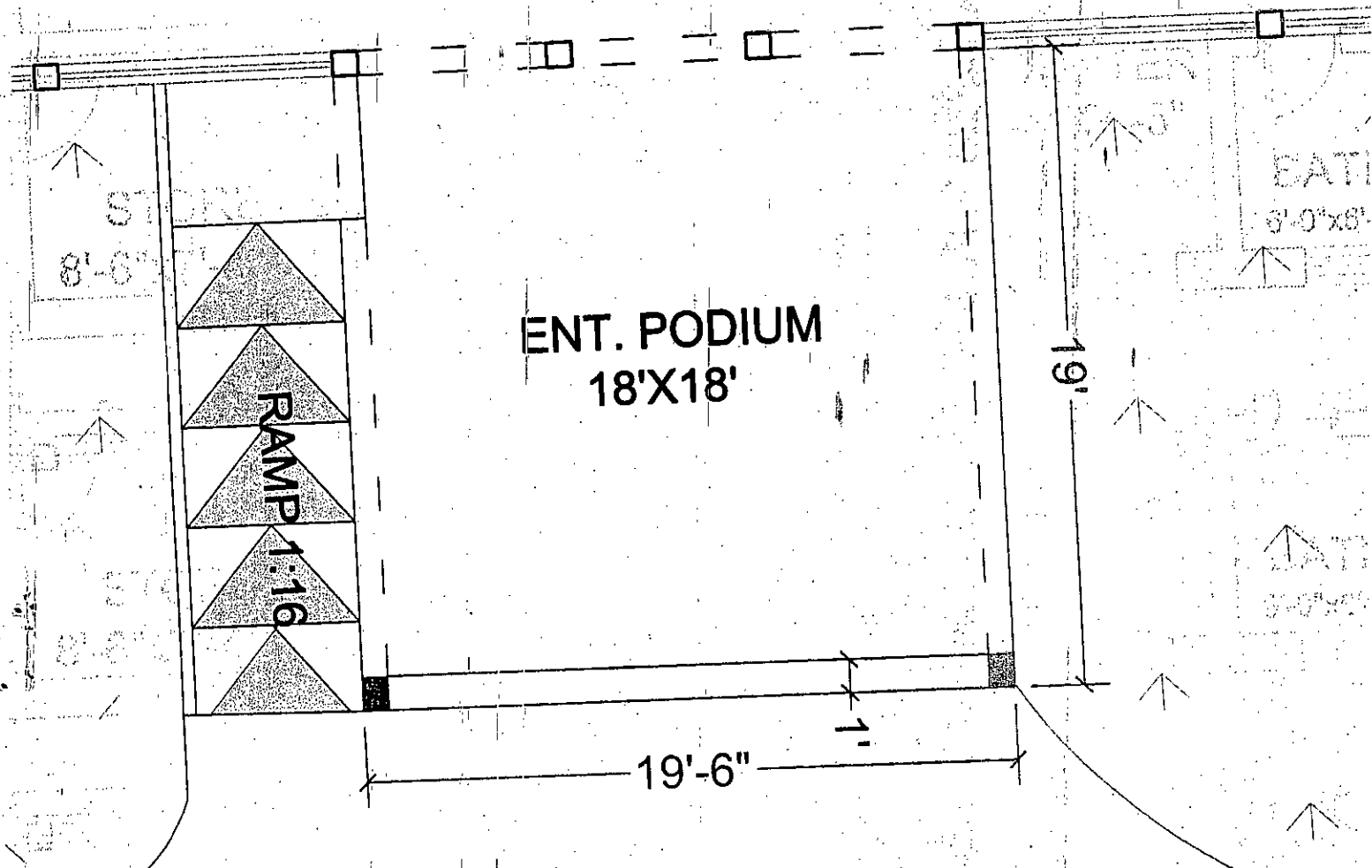
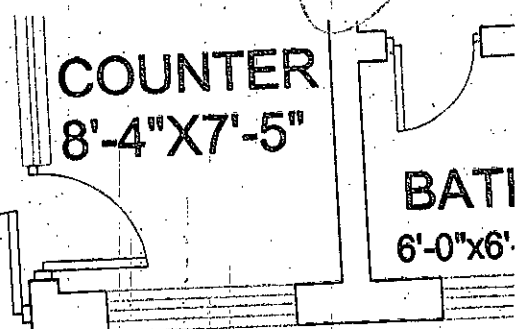
Area = 410 SFT

[Handwritten signature]

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703

155



THQ PAKPATAN
GROUND FLOOR

Area = 393 SFT

IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY

Visit Date:
18/08/2022

DHQ Hospital Pakpattan

| Sr No | Item | OPD/G.Floor | Diagnostic Block/G.Floor | Gynae OPD/ Labor Room /Gynae OT/G.Floor | Wards/G.Floor | Wards/F.Floor | OT/Blood Bank 1st. Floor | Remarks |
|-------|--------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Porcelain Floor Tile replacement | | Full Body Porcelain tiles needs to be laid on floors by dismantling existing damaged tile flooring/mosaic flooring by laying new PCC layer of specified thickness wherever required. | Full Body Porcelain tiles needs to be laid on floors by dismantling existing damaged tile flooring by laying new PCC layer of specified thickness wherever required. | Damaged full Body Porcelain tiles needs to be replaced with new Porcelain tiles on floors by providing new PCC layer of specified thickness. | Full Body Porcelain tiles needs to be laid on floors by dismantling existing damaged Marble flooring/mosaic flooring by laying new PCC layer of specified thickness wherever required. | | Tiles specifications, brand, size and Installation will be as per specified C&W standards. |
| 2 | Porcelain Wall Tile replacement | | Full Body Porcelain tiles Dado needs to be laid on walls upto height (Already revamped by IDAP) on fresh plaster by dismantling old existing damaged tile Dado/skirting in room and corridors or wherever missing. | Full Body Porcelain tiles Dado needs to be laid on walls upto height (Already revamped by IDAP) on fresh plaster by dismantling old existing damaged tile Dado/skirting in room and corridors or wherever missing. | | Full Body Porcelain tiles Dado needs to be laid on walls upto height as in ground floor on fresh plaster by dismantling old existing damaged marble Dado/skirting in rooms and corridors or wherever missing. (Retain the marble floor in center lobby of ward.) | Mosaic/ Damaged tiles dado needs to be replaced with new porcelain tiles on walls. | Tiles specifications, brand, size and Installation will be as per specified C&W standards. |
| 3 | Wooden Doors flush or Solid/ Main Doors | | Replace all doors with flush doors including dolly frame chowkts with wooden architrave as per whatsapp. | Replace all doors with flush doors including dolly frame chowkts with wooden architrave as per whatsapp. | | Replace all doors with flush doors including dolly frame chowkats with wooden architrave as per whatsapp. | Replace all doors with flush doors including dolly frame chowkts with wooden architrave as per whatsapp. | Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards. |
| 4 | Verandah opening (opening to open area) MS Windows on Façade | | Wash the choked wire mesh in verandah openings with thinner. | Wash the choked wire mesh in verandah openings with thinner. | | | | Specifications will be as per C&W standards. |
| 5 | Existing Internal Windows | | All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace existing Aluminum windows.) | All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace existing Aluminum windows.) | All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace existing Aluminum windows.) | All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace existing Aluminum windows.) | All old MS internal windows need to be replaced with Aluminum Windows, safety grill with marble sill (no need to replace existing Aluminum windows.) | Specifications, Aluminum and glass color will be as per specified C&W Standards |
| 6 | Existing Internal Main Doors Internal Corridors | | | | | | | |
| 7 | Internal Electric fittings | | Make all Electric/ CCTV/ networking wiring concealed. All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. | | All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. | All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. | All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. | Model Specifications/ Brands, should be as per specified C&W Standards. |
| 8 | Internal Lighting Fixtures | | All corridors and rooms should fit with SMD's with concealed wiring. | | All corridors and rooms should fit with SMD's with concealed wiring. | All corridors and rooms should fit with SMD's with concealed wiring. | All corridors and rooms should fit with SMD's with concealed wiring. | Model Specifications/ Brands and distance should be as per specified C&W Standards. |
| 9 | Revamping of Public Toilets | | All washrooms need to be revamped completely by fixing ceramic tiles on floor and walls up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections. | All washrooms need to be revamped completely by fixing ceramic tiles on floor and walls up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections. | All washrooms need to be revamped completely by fixing ceramic tiles on floor and walls up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections. | All washrooms need to be revamped completely by fixing ceramic tiles on floor and walls up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections. | All washrooms need to be revamped completely by fixing ceramic tiles on floor and walls up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections. | Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards. |

(22.15 X 30.21)

IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY

Visit Date:
18/08/2022

DHQ Hospital Pakpattan

| Sr No | Item | OPD/G.Floor | Diagnostic Block/G.Floor | Gynae OPD/ Labor Room /Gynae OT/G.Floor | Wards/G.Floor | Wards/F.Floor | OT /Blood Bank 1st. Floor | Remarks |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 10 | Wall Paint | | Surface of walls of all Blocks should be prepared and paint with ash white paint. | Surface of walls of all Blocks should be prepared and paint with ash white paint. | Surface of walls of all Blocks should be prepared and paint with ash white paint. | Surface of walls of all Blocks should be prepared and paint with ash white paint. | Surface of walls of all Blocks should be prepared and paint with ash white paint. | Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards. |
| 12 | Registration / Nursing Counter | Develop CMS hall. | | | | Develop double level nursing counters as discussed at site.(shift the entry of nursing counters on other/right side) | | |
| 13 | Stairs - Marble and Railing | | | Replace existing damaged stair marble with granite. | Damaged marble treads need to be replaced. | Damaged marble treads need to be replaced. | Damaged marble treads need to be replaced. | Marble/Granite type and installation technique will be as per C&W Standards. |
| 14 | Ramps - Tile and Railing | | Chequered tile Required on Ramp of side door. | | | | | |
| 15 | Facade Uplifting | Required on front elevation in consultation with PMU. | | | | | | |
| 16 | Lead lining Walls (X-Ray) | | Required. | | | | | |
| 17 | Antimicrobial Treatment (OTs) | | | Required in Gynae OT room. | | | | |
| 18 | External Weather Shield | | Required. | Required. | Required. | Required. | Required in two OT's rooms only. | |
| 19 | Edge Protection/Aluminium Cladding | | SS Edge Protection needs to be fixed on all corners up to Dado height. | SS Edge Protection needs to be fixed on all corners up to Dado height. | SS Edge Protection needs to be fixed on all corners upto dado height of Wall/Dado tiles. | SS Edge Protection needs to be fixed on all corners upto dado height of Wall/Dado tiles. | SS Edge Protection needs to be fixed on all corners upto dado height of Wall/Dado tiles. | |
| 20 | Columns SS Cladding | | | | | | | |
| 21 | Bed Head Units (Wards) | | | | | | | |
| 22 | Fire Alarm System | | | | | | | |
| 23 | Elevator | | | | | | | |
| 24 | Expansion joint of Building | | Required. | | | | | |
| Note:- | | | | | | | | |
| 1 | Provide CP flush bends to flushing cisterns. | | | | | | | |
| 2 | Paint the old good condition doors with ash white matt paint. | | | | | | | |
| 3 | Provide hydraulic floor hinges to Aluminum doors. | | | | | | | |
| 4 | Close the windows in OT room. | | | | | | | |
| 5 | Conceale the CCTV and Networking Cables in consultation with Hospital Expert. | | | | | | | |
| 6 | Shift the Main cables from roof to the corridors. | | | | | | | |
| 7 | Make sure to make proper arrangement of provision of electric point, condensate pipe and drain pipe for air-conditioner dispose of into nearest P-traps. It is better to provide 2" dia G.I pipe concealed in the wall projecting on to roof for outdoor units on roof. | | | | | | | |
| 8 | The main entrance door and Red line door in OT be repalced with new doors with stainless steel cladding on lower half portion on both sides. | | | | | | | |
| 9 | Replace damaged wooden doors on terracess of nursing college and hostel with MS leaves openable outside and a step inside. | | | | | | | |
| 10 | Provide proper size MS exhaust fan 18" dia. With 18" MS Sature Duct in kitchen Hood of nursing Hostel. | | | | | | | |
| 11 | Replace damaged wooden doors on outside of kitchen of nursing hostel with MS leaves. | | | | | | | |
| 12 | Provide the MS Wardrobs leaves in Nursing Hostel with three cabins. | | | | | | | |
| 13 | Shift digital X-Ray room in place of Laboratory to use the dark commonly. | | | | | | | |
| 14 | Develop the laboratory in the sample collection room by adding the room of digital X-Ray. | | | | | | | |
| 15 | Provide shelves in stores of Gynae OT and Labor room. | | | | | | | |
| 16 | Provide Stainless steel scrub unit in gynae OT and General OT's. | | | | | | | |
| 17 | Close the OT neat area Aluminum door upto ceiling level. | | | | | | | |
| 18 | Replace damaged tile and marble treads on rear entrance steps of wards at ground floor. | | | | | | | |
| 19 | Provide Marble on sitting benches in the corridors. | | | | | | | |
| 20 | provide separate DBs for Air-conditioners in every wing. | | | | | | | |
| 21 | Erect the missing C.I pemallas and enamel paint to existing rain water pipes. | | | | | | | |
| 22 | Replace washroom doors with UPVC doors. | | | | | | | |
| 23 | Develop a dirty corridor behind OT's along with dump waiter along with garbage chute as per drawing. | | | | | | | |

IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY

| Sr No | Description | Condition | Additional Information | |
|-------|------------------------------|-----------|-----------------------------|--|
| | Water Supply System | | Existing OHRs with capacity | |
| | Sewerage System | | Existing Sewerage System | |
| | External Pathways | | | |
| | Boundary Wall | | | |
| | Main Gate | | | |
| | Sources of Electircal Supply | | Dual, Single, Express | |
| | Transformer | | Existing= Required= | |
| | Generators | | Existing= Required= | |
| | ATS Panel for Generators | | | |
| | Electrical Panel Room | | | |
| | External Wires | | | |
| | Water Filtration Plant | | Existing= | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010089
A/C To be Credited:Account-I

PKR Million

| Sr # | Object Code | 2025-2026 | | 2026-2027 | | 2027-2028 | | 2028-2029 | | 2029-2030 | |
|--------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign |
| 1 | A05270-To Others | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | A12403-Other Buildings | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010089
A/C To be Credited:Account-I

PKR Million

| Sr # | Object Code | 2025-2026 | | 2026-2027 | | 2027-2028 | | 2028-2029 | | 2029-2030 | |
|--------------|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign | Local | Foreign |
| 1 | A12403-Other Buildings | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 2 | A05270-To Others | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Total | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

8. ANNUAL OPERATING AND MAINTENANCE COST AFTER COMPLETION OF THE PROJECT

The Annual operating and maintenance cost after completion of the Project is Rs.15.000 million. The same may be borne by the District Health Authority of the concern District as well as Primary and secondary healthcare Department, Lahore.

9. DEMAND AND SUPPLY ANALYSIS

No modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital covers all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. Gynaecology and obstetric will also be emphasized upon. In emergency, calamities and natural disasters, valuable lives will be saved through revamping of Emergency Units.

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

FINANCIAL PLAN AND MODE OF FINANCING

The project will be executed / financed through Annual Development Program under the Primary and Secondary Healthcare Department, the Government of Punjab.

Revenue Side:

(Rs.in Million)

| | FY 2021-22 | FY 2022-23 |
|-----------------------|-------------------|-------------------|
| Funds Released | 10.320 | 12.954 |
| Utilization | 8.760 | 2.799 |

Capital Side:

| | FY 2021-22 | FY 2022-23 |
|-----------------------|-------------------|-------------------|
| Funds Released | 0.000 | 35.000 |
| Utilization | 0.000 | 0.000 |

Balance funds may be provided for completion of the project in subsequent years through ADP

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

Social economic burden will be decreased due to availability of better medical services in the district. Time and money of community will be saved which were expended in other cities like Lahore Islamabad etc. on treatment of patients and for boarding and logging of attendants. The social status of community will rise.

SOCIAL IMPACT:

A number of patients lose their lives or suffer serious disabilities for want of timely access to the health facilities. The project will ensure that no one is left to reach the health facilities. The most important beneficiaries will be mothers having complicated delivery conditions. The number of patients transferred to the health facilities for treatment and lifesaving will serve as indicators for performance evaluation. In long term the project will help in improving socio-economic indicators of IMR and MMR.

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

Revamping of this Hospital will lead to generation of employment for highly skilled /professional staff and unskilled staff leading to reduction of unemployment. Huge employments opportunity will be created from the establishment of the project. The Medical doctors and paramedics who are trained in this discipline or intended to specialize in this field can make maximum use of training. A large number of gazetted and non-gazetted posts will be available for employment directly or indirectly.

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

It will have no hazardous effect on the environment. On the other hand, addition of horticulture and landscaping will provide healthy environment to the general public. All the more, the program is environment friendly having no adverse environmental effects. Simultaneously, this shall further improve environment by creating sense of responsibility among employed and beneficiaries of the service

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

IMPACT OF DELAYS ON PROJECT COST AND VIABILITY

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the major needs and a long awaited desire of the community, therefore, Government of the Punjab contemplated plan for early execution of Revamping of Emergency Units. The delay will not only

deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

Tremendous public benefits will be accrued from revamping of Emergency Units:

The Targets of Sustainable Development Goals (SDGs) will be achieved

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

This will decrease load of patients on teaching hospitals and specialized institutions by promoting physical and mental health. By adopting preventive and Hygienic principles, the number of patients and diseases will decrease. Resultantly budget load of Government for treatment will decrease and saving will be utilized for development programs.

11.1.1 FINANCIAL IMPACT:

In the beginning, the It is extremely difficult to put a money value on each life saved by taking/shifting a critically ill patient to the appropriate health facility for treatment. However, the exact amount spent shall be calculated against each patient shifted by analyzing data collected during operations.

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

The operation team will monitor the progress of the project and will hold regular weekly meeting to review the progress under the supervision of Project Director.

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER
Balance Work of
Revamping of all
DHQ / 15 THQ
Hospitals in Punjab

| RISK DATA | | | | Pre-Mitigation / Current Qualitative Assessment | | | MITIGATION |
|--------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk Item No | Risk Description/Event | Cause | Effect / Consequences | Likelihood (1 to 3) | Impact (1 to 3) | Risk Score (1 to 9) | Mitigation / Actions |
| 1 | Due date for the completion of some hospital sites may be extended due to increase in scope from the Client | Direct instructions from the Medical Superintendents / Hospital Administration to revamp the remaining areas | Significant scope increase requested by the Hospital administration will result in: 1. Project delays 2. Contractor claims 3. Increase in project cost along with variations | 3 | 3 | 9 | Hospital administration is requested to finalize the scope during joint field visits of C&W and PMU |
| 2 | Various unexpected structural issues are being encountered | Unforeseen structural issues are expected to face during execution in hospital buildings approaching end of life | 1. Stoppage of work 2. Performance of the Contractor has affected 3. Delays in the project | 3 | 3 | 9 | Various items which are unforeseen and expected to be used during execution may be taken in estimates so that those can be executed to address these issues |
| 3 | Change in management of the Client | Management change | Re-briefing is to be carried out | 2 | 2 | 4 | Acceleration of understanding for smooth and expeditious transition, without affecting the project |
| 4 | Financial Issues | Funds for these schemes should be provided as per the targets | 1) Delay in tendering 2) Effect on quality as the Consultant supervision will not take place 3) Inconvenience to the patients | 3 | 3 | 9 | Approval of PCIs and early release of funds is requested |
| 5 | Nationwide spread of pandemic i.e. COVID-19 in 2nd and 3rd quarter of this year | Work delays during nationwide lockdown. | 1) Delays in completion of works 2) Claim requests received by Contractor and Consultant | 3 | 3 | 9 | Contractor will be asked to depute fully vaccinated labor |

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of New Management Structure is available in PC-I

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT

Designation:Project Director, PMU P&SHD

Email:

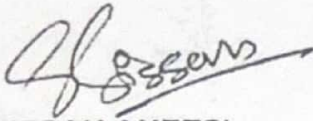
Tel. No.:

Fax No:

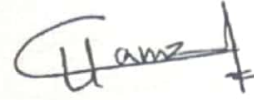
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

15. It is certified that the project titled "Balance work of Revamping of DHO, Pakpattan.
(1st Revised)" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

Prepared By:

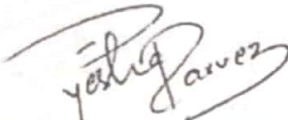


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(Oct-2022)



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(Oct-2022)

Approved By:



(DR. IRSHAD AHMAD)
SECRETARY,
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT, LAHORE
(042-99204567)
(Oct-2022)

