PC-1

Balance Work of Revamping of DHQ Hospital Layyah

ORIGINAL APPROVED COST	**PKR Million. 111.139/-**
ORIGINAL APPROVED GESTATION	**43 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Layyah

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. LAYYAH

2.2. TEHSIL(S)

I. LAYYAH

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 FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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	**GS No:**5350
3	**Total Allocation:**0.000
4	**Comments:** Provision of Rs.1300 M reflected at G.S. No.660 of ADP 2022-23 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

attached

5. 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 Layyah:	123,775 SFT
Area completed:	99,948 SFT
Area Not taken up:	23,827 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/stretcher ways 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 groves 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 cites 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/stretcher way for entrance, podium and platform for wheel chairs are proposed in this program for facilitation of patients. Portico is a small structure constructed outsides the covered area consisting of four or two columns carrying a slab or roof over it. This portico is constructed in this program outsides 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 constructed outsides the emergency department because almost all the patients coming towards the emergency block are on either wheel chairs of stretcher. 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 stretcher way is proposed outsides 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 uninterruptable 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 inflectional 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, paeds, 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.

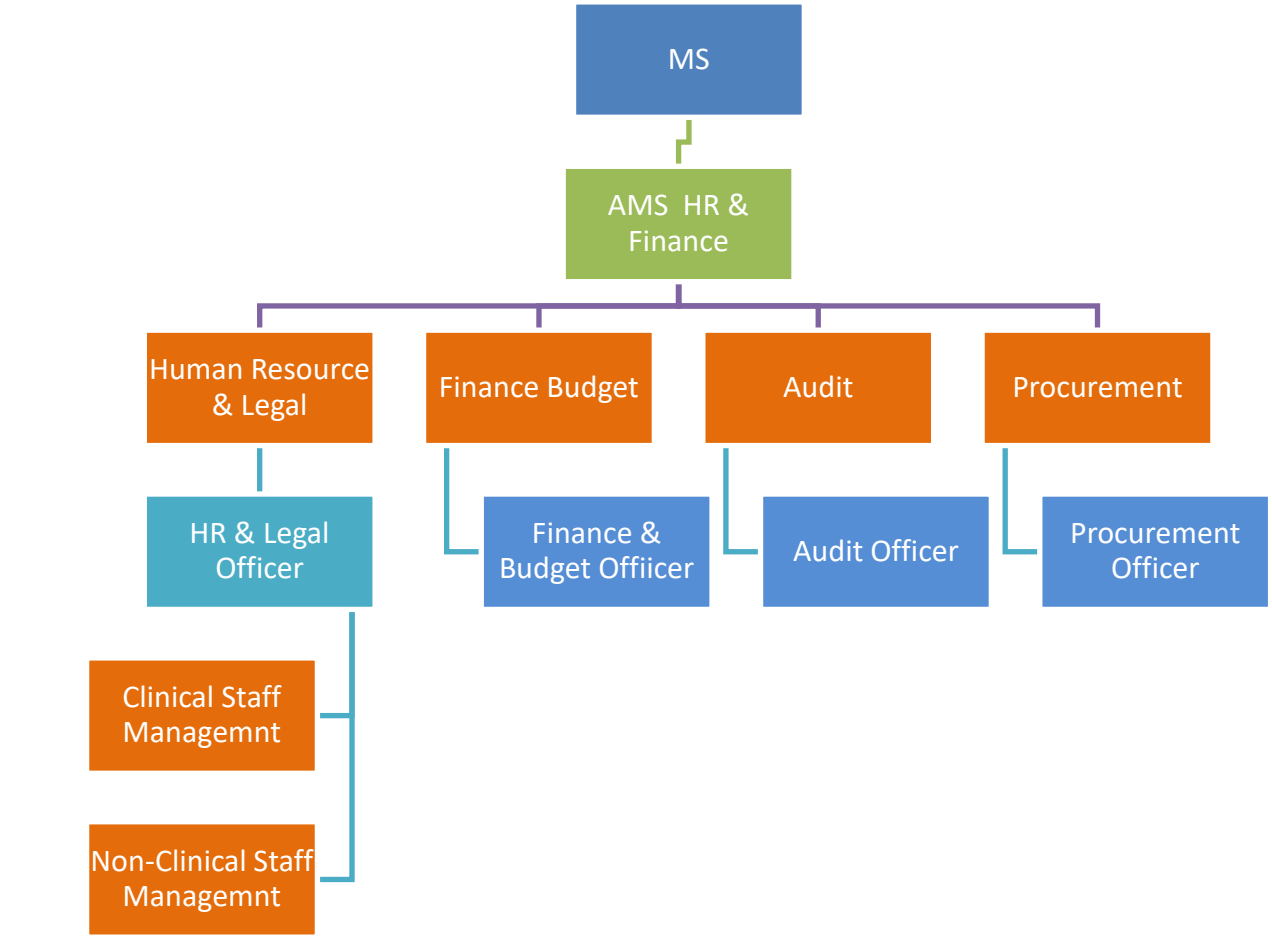
5.7.4 EMR and Networking

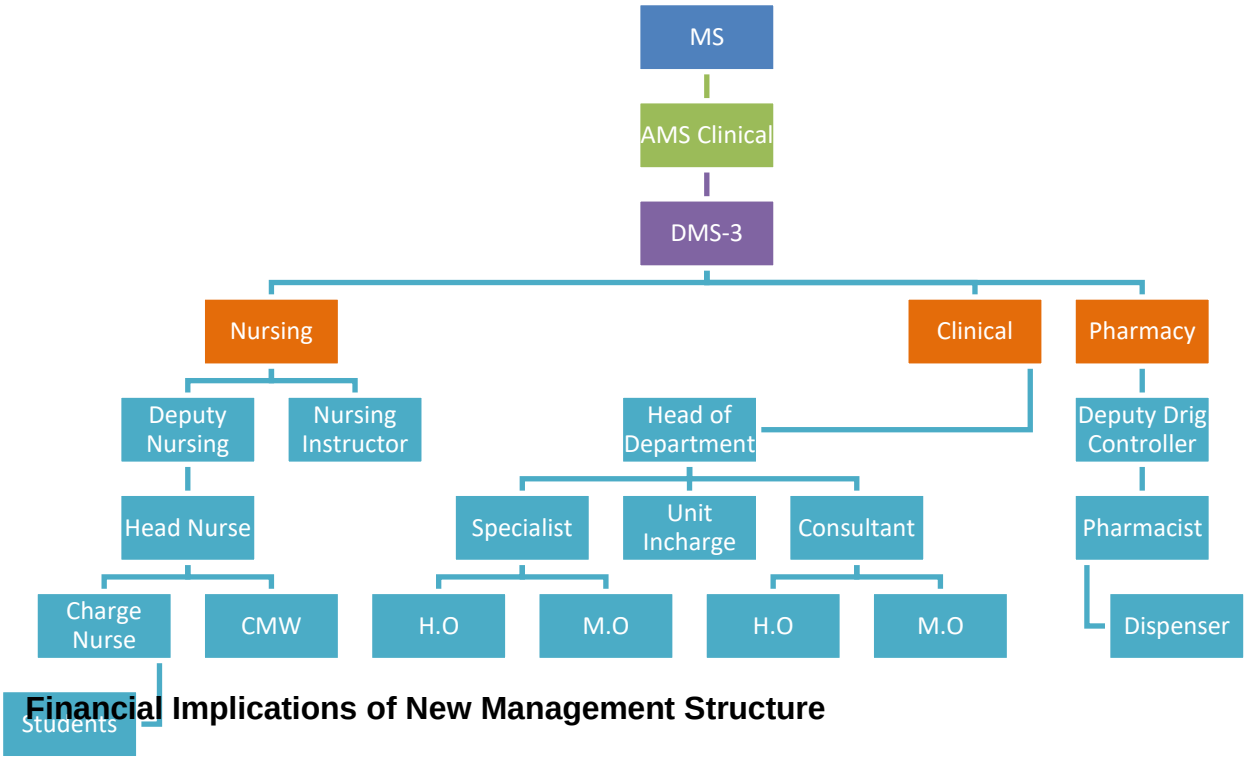
Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the

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.





Financial Implications of New Management Structure

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:

Project Pay Scale (PPS)	Revised Project Pay Scales (Permissible Range) (PKR)	Annual Increment Up to % age
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

Eigibility 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

Eigibility 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 / sub-ordinate 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

Eigibility 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

Eigibility 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

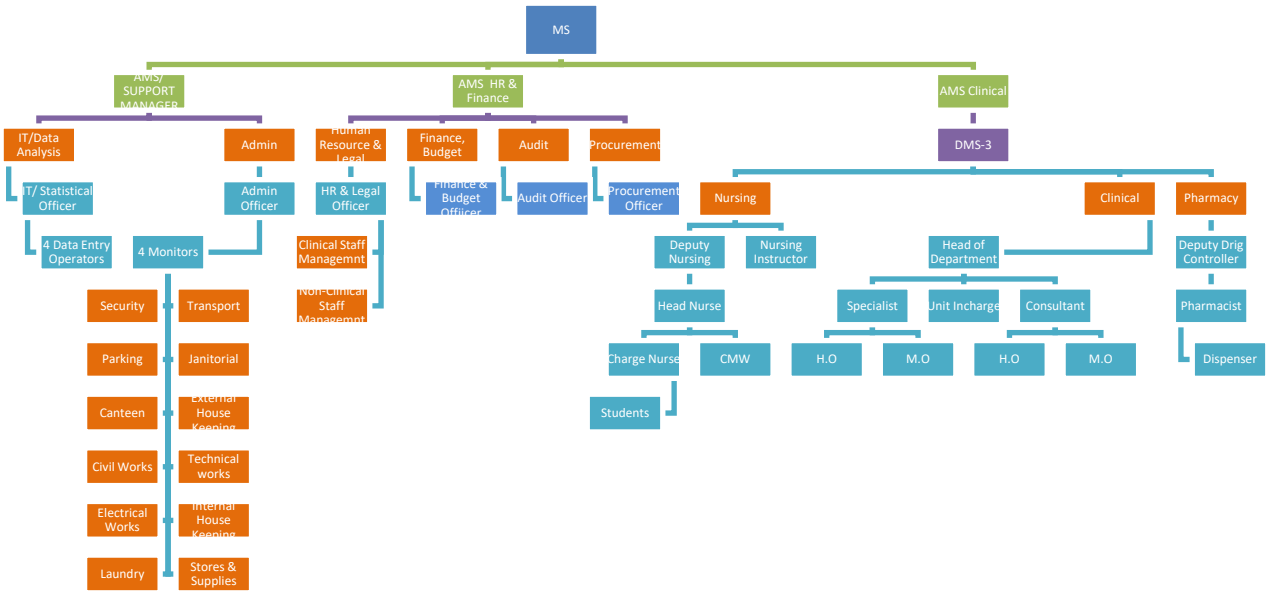
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

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 <u>O.P.D:</u>

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 <u>DEATH OR END OF LIFE MANAGEMENT</u>.

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 Layyah is more than 3.224 million. The area of the DHQ Hospital Layyah is 1061691 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.

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. There is no change in cost of civil work component in the revised scheme of the PC-I.

JUSTIFICATION FOR REVISION OF PC-I

1. 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	**60th 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.

2. 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 Jhang
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 Sheikhupura
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: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A

Grant Number: Government Buildings - (PC12042)
LO NO:N/A
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	19.084	0.000	15.000	0.000	15.000	0.000
Total		**0.000**	**0.000**	**19.084**	**0.000**	**15.000**	**0.000**	**15.000**	**0.000**

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

Grant Number: Development - (PC22036)
LO NO:N/A
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	**A05270**-To Others	0.000	0.000	22.055	0.000	20.000	0.000	20.000	0.000
Total		**0.000**	**0.000**	**22.055**	**0.000**	**20.000**	**0.000**	**20.000**	**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

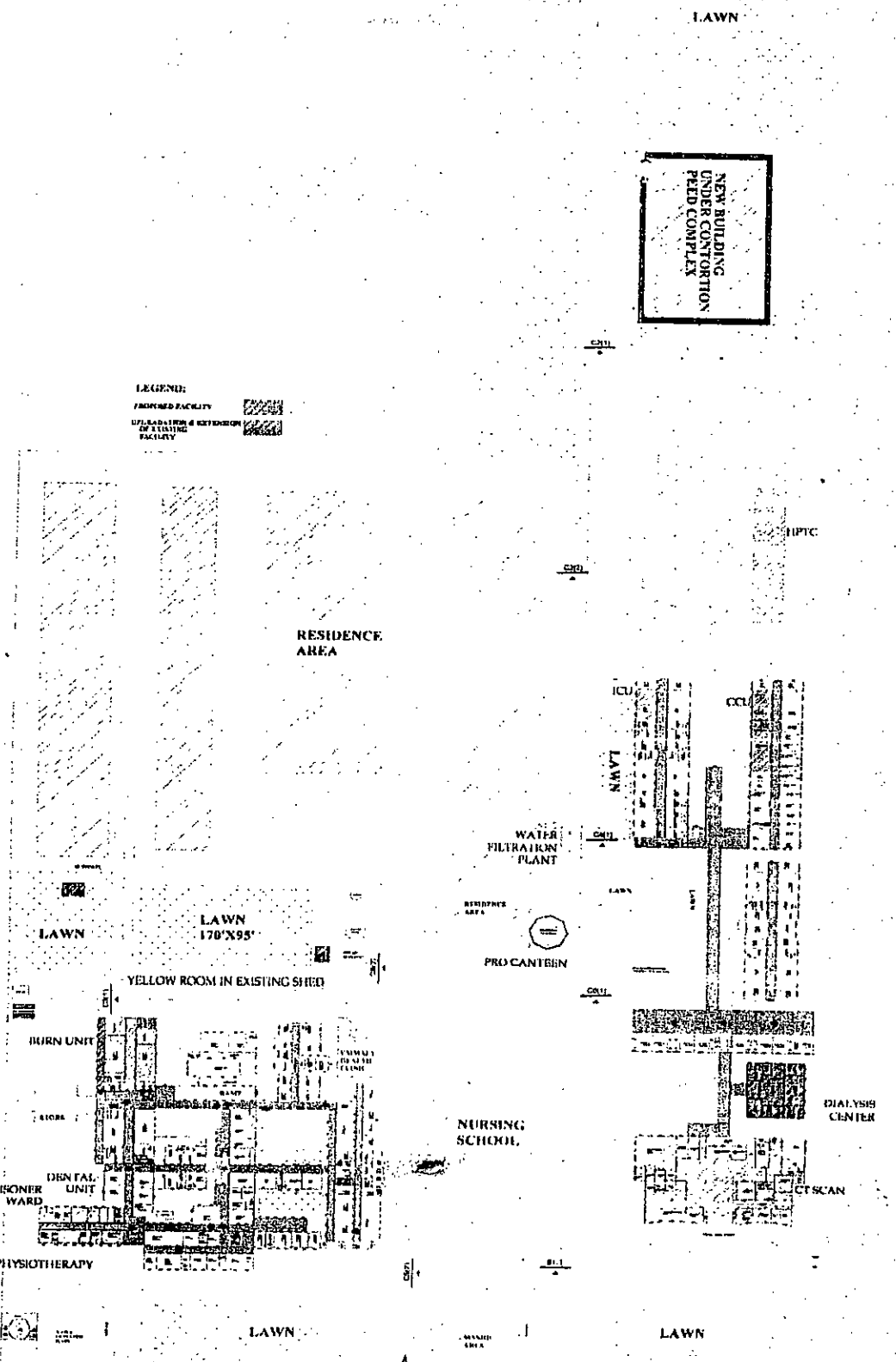
Balance work of Revamping of DHQ Hospital Layyah

Scope of work	Original Cost			Amended Cost			1st Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component									
Internal Development	18.183	0.000	18.183	19.994	0.000	19.994	19.994	0.000	19.994
External Development	22.976	0.000	22.976	26.441	0.000	26.441	26.441	0.000	26.441
Water filtration plant	2.398	0.000	2.398	2.649	0.000	2.649	2.649	0.000	2.649
Total Capital Component	**43.557**	**0.000**	**43.557**	**49.084**	**0.000**	**49.084**	**49.084**	**0.000**	**49.084**
Revenue component									
Human resource (HR) plan	0.000	25.440	25.440	0.000	25.440	25.440	0.000	53.055	53.055
Electricity Components	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.000	9.000
Total Revenue component	**0.000**	**25.440**	**25.440**	**0.000**	**25.440**	**25.440**	**0.000**	**62.055**	**62.055**
Total	**43.557**	**25.440**	**68.997**	**49.084**	**25.440**	**74.524**	**49.084**	**62.055**	**111.139**
Grand Total	**43.557**	**25.440**	**68.997**	**49.084**	**25.440**	**74.524**	**49.084**	**62.055**	**111.139**

Electricity							
		Original			1st Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Generator (200 KVA)	0	4,000,000	-	1	9,000,000	9,000,000
	Total			**-**			**9,000,000**
				-			**9.000**

Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	**No. of Emplyees**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**	**No. of Emplyees**	**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**	**17**		**1,059,000**	**1,401,000**	**43,431,000**
				25.440					**43.431**
Utilization of HR Component				**9.624**					
									53.055

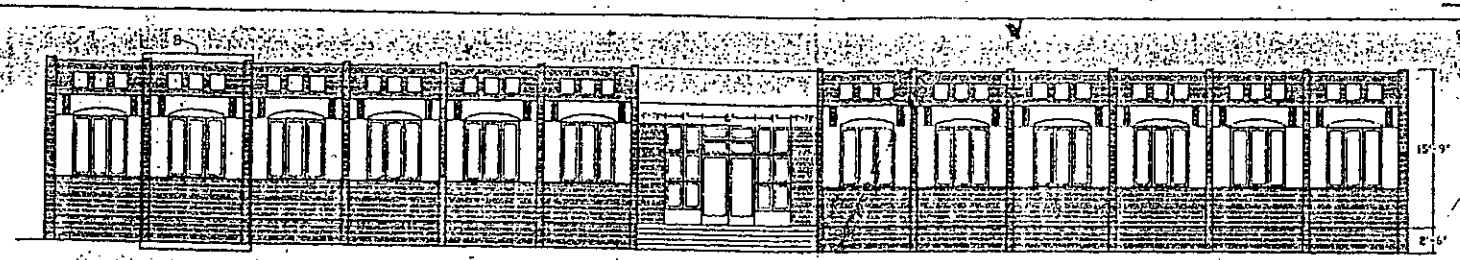


MASTER PLAN OF DHQ LAYYAH

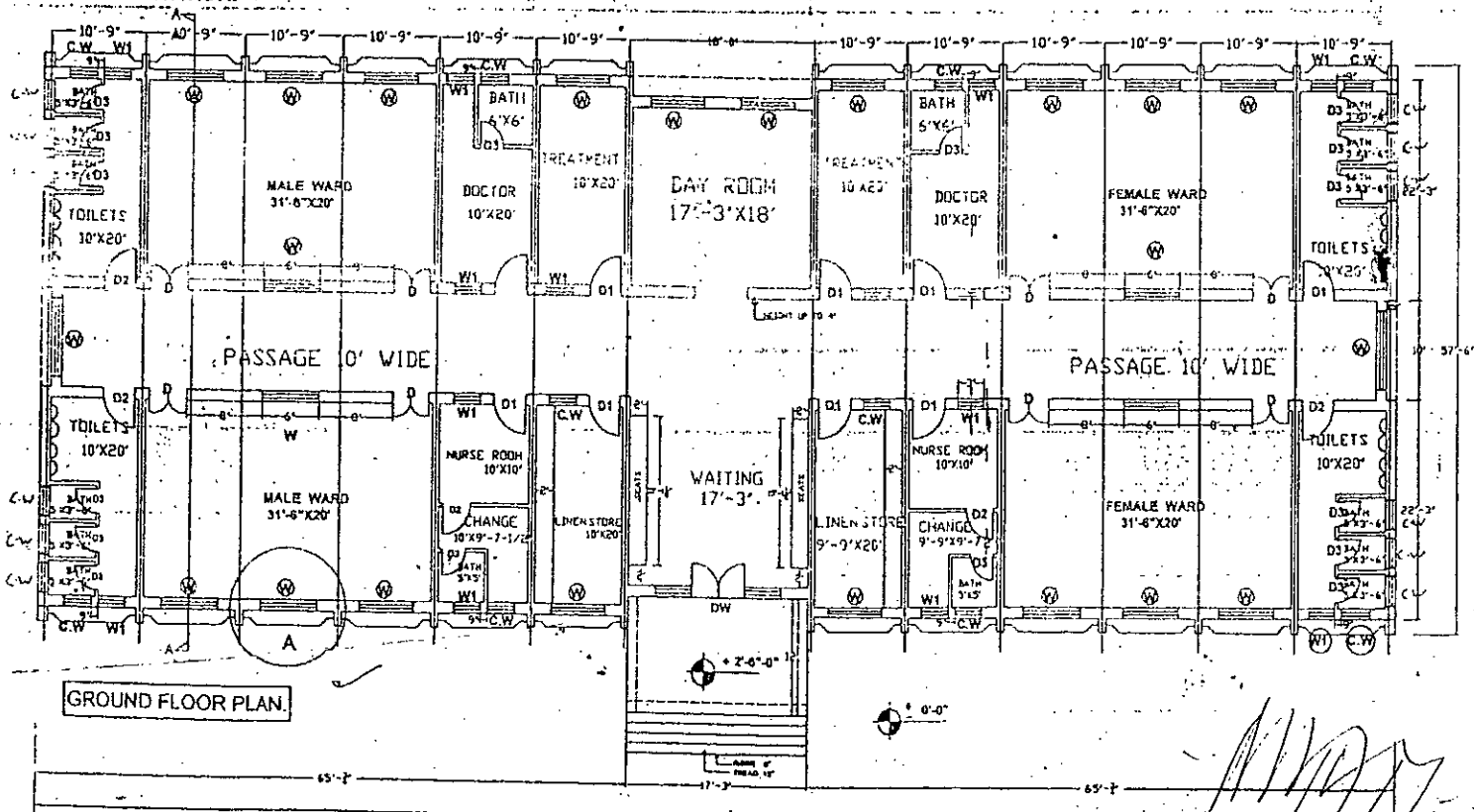
Sub Engr

Sub Divisional Officer Buildings
Sub Divisi... LAYYAH

Executive Engineer
Building Division
LAYYAH



FRONT ELEVATION.



GROUND FLOOR PLAN.

NOTES.

SCHEDULE OF DOORS & WINDOWS

SN	TYPE	WIDTH	HEIGHT	CILL	DESCRIPTION
1-	DW	4'+6"+4'	8'		ALU HEAVY DUTY
2-	D	4'	7'+3'		
3-	D1	3'-6"	7'+3'		
4-	D2	3'	7'+3'		
5-	D3	2'-6"	7'		

WINDOWS

SN	TYPE	WIDTH	HEIGHT	CILL	DESCRIPTION
1-	W	6'	5'	4'	ALUM. SLIDING
2-	W1	3'	5'	4'	ALUM. SLIDING
2-	C.W	3'	2'	5'	ALUM. SLIDING

AREA.

COVERED AREA 8050 SFT

PROJECT

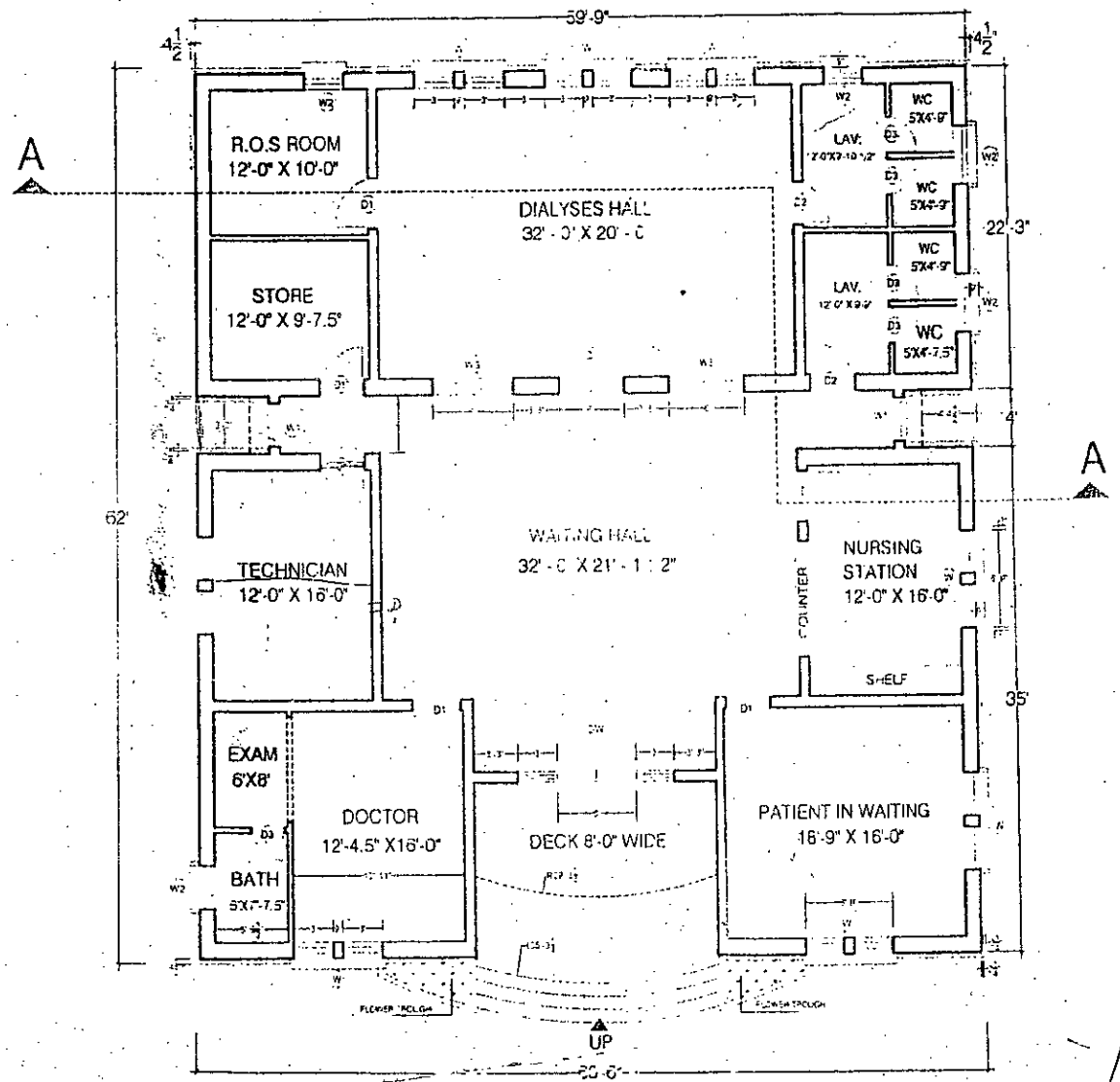
CONSTRUCTION OF SURGICAL WARD AT D.H.Q HOSPITAL LAYYAH.

TITLE. WORKING DRAWING
PLAN & ELEVATION (REVISED)

SCH: NO. 201	PROJECT CODE:
SUB SCH: NO. 42	SCALE.
D.R.G. NO. 3	DATED. 14-07-02
DRAWN BY MUHAMMAD NAEEM ARIF	DEPUTY DIRECTOR MUHAMMAD ASHFAQ

GOVT OF THE PUNJAB
ARCHITECTURE DEPARTMENT
OFFICE OF THE DEPUTY DIRECTOR ARCHITECTURE
DERA GHAZI KHAN

Executive Engineer
Building Division
LAYYAH



GROUND FLOOR PLAN

N

S

SCHEDULE OF DOORS AND WINDOWS

TYPE	WIDTH	HEIGHT	SILL	DESCRIPTIONS
DW	16" + 8" = 18"	10'-0"		Box Section Frame with Aluminium Panel
D	5'-0"	10'-0"		" "
D1	3'-6"	7'-0"		" "
D2	3'-0"	7'-0"		" "
D3	2'-6"	7'-0"		" "

WINDOWS

W	3'-0"	8'-0"	4'-0"	ALUM
W1	3'-0"	8'-0"	2'-0"	ALUM
W2	3'-0"	4'-0"	6'-0"	ALUM
W2	8'-0"	3'-0"	7'-0"	"

STATEMENT OF AREA

COVERED AREA OF GROUND FLOOR PLAN 3553 - 0" SFT

PROJECT:
CONSTRUCTION OF
DIALYSES WARD AT D.H.Q
HOSPITAL LAYYAH

TITLE:
WORKING DRAWING

SCHEME NO.	SUB SCH: NO	DRAWING NO:
201	49	8

SCALE 1" = 8'-0" | DATE 28-10-2006

CAD DESIGNER: SHARAFAT ALI

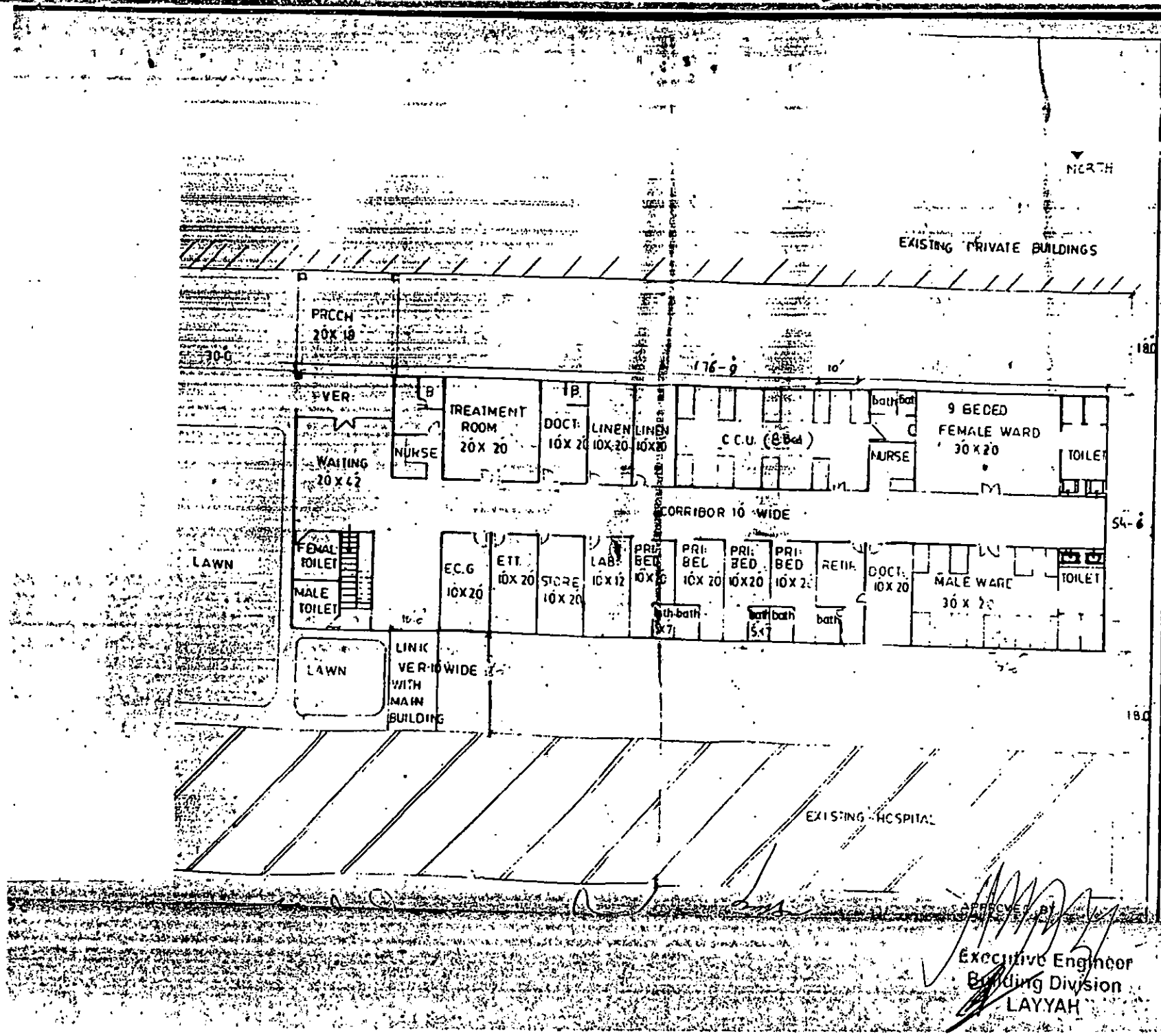
ARCHITECTURAL ASSISTANT

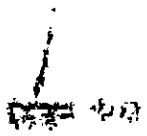
DEPUTY DIRECTOR ARCHITECTURE

MUHAMMAD ASHFAQ

GOVT. OF THE PUNJAB
ARCHITECTURE DEPARTMENT
OFFICE OF THE DIRECTOR ARCHITECTURE
DERA GHAZI KHAN
PHONE NO. 0642-[illegible]

Executive Engineer
Building Division
LAYYAH


NORTH
EXISTING PRIVATE BUILDINGS
PRCCH 20X 18
30-0
176-9
10'
18'
VER:
WAITING 20X 42
NURSE
TREATMENT ROOM 20X 20
DOCT: 10X 20
LINEN 10X 20
LINEN 10X 20
C.C.U. (8 Bed)
bath
bath
NURSE
9 BEDED FEMALE WARD 30X20
TOILET
CORRIBOR 10' WIDE
54-6
LAWN
FEMALE TOILET
MALE TOILET
10'-0
E.C.G 10X20
ETT. 10X 20
STORE 10X 20
LAB: 10X 12
PRI: BED 10X
PRI: BED 10X 20
PRI: BED 10X20
PRI: BED 10X 2
RETR.
DOCT: 10X 20
MALE WARD 30 X 2
TOILET
bath
bath
bath
bath
LAWN
LINK VER-10 WIDE WITH MAIN BUILDING
EXISTING HOSPITAL
18.0
AREA:
TOTAL COVERED AREA OF WARD, LINK VER & PROCH: 10952 SFT
PROJECT
CONSTRUCTION OF CARDIOLOGY WARD AT D.H.Q. HOSPITAL, LAYYAH
TITLE.
SKETCH PLAN & LAY-OUT PLAN
SCHEME NO: 201
PROJECT CODE. D/H-c
SUB-SCH NO. 27
SCALE 1" = 16'
DRAWING NO 1
DATE: 13-7-05
DRAWING BY
ABDUL MAJEED
CHECKED BY
ASSISTANT DIRECTOR
DEPUTY DIRECTOR
MUHAMMAD ASHFA
GOVT. OF THE PUNJAB
ARCHITECTURE DEPARTMENT
APPROVED BY
Executive Engineer
Building Division
LAYYAH



	Earthing of iron clad/aluminium switch etc with G.I pipe 15mm 1/2" dia re-cessed or on surface of all and floor complete girth 1.5 metre long C.I pipe 5-2 dia with reducin g socket 4 to 5 meter below ground level and 2 meter away from building plinth.	- - - -		10 Nos		
			@	8,020.05	Each	80201
10	Providing and fixing M.S. iron box for housing main switches,made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:- ii) 95x40x20 cm (38"x16"x8")	- - - -		10 Nos		
			@	8,059.45	Each	80595
11	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. c) triple pole with neutral link: iii) 100 Amp.	- - - -		1 Nos		
			@	5,476.90	Each	5477
12	Supply and erection of bus bars, for 500 volts 3 phase A.C.supply with four copper bars, including bridges, on angle iron board, fixed with rag bolts and M.S.sheet box 1.5 mm thick, etc. complete:- i) 60 Amp. with 4 copper bars size 1½"x1/8" (40 x 3 mm)	- - - -		1 Nos		
			@	4,130.65	Each	4131
13	Supply and erection of iron/aluminum clad, branch distribution board, 250 volt, on angle iron frame of suitable size with 3 mm (1/8") M.S. sheet covering:	- - - -		1 Nos		
			@	1,424.40	Each	1424
14	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core,660/1100 volt non armoured cable:-vi) 7/1.63 mm (7/0.064")	- - - -		500 Rft		
			@	656.95	P.Rft	328475
					Total:	**2154735**
				Add: 3% Contingency		**64642**
						2219377

Say Rs: 2,219,400

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAIL ESTIMATE OF STREET LIGHT

S.No	Description	No	Length	Breadth	Depth	ontent	Amount
1	Supplying,installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel ,tappered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in 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 Incharge. a) Single Arm (i) 10 mtr height	-	-	-	- =	10 Nos	
				@	77055.95	Each	770560
2	Excavation in foundation of buildings bridgs and other structure i/c dagbelling dressing watering and ramming lead upto one chain and lift upto 5' in ordernirv soil.	10 x	2.5 x	2.5 x	1.5 =	94 Cft	
				@	8,727.85	%0Cft	820
3	Cement concrete brick or stone ballast 1-1/2" to 2" guage 1:6:12 ratio.	10 x	2.5 x	2.5 x	0.5 =	31 Cft	
				@	14069.10	%Cft	4361
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	10 x	2.5 x	2.5 x	0.5 =	31 Cft	
				@	28918.55	%Cft	8965
5	Supply and erection of PVC pipe for wiring on surface in walls,including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials. ii) 3/4" dia. 50mm 2" dia.	10 x	75	-	- =	750 Rft	
				@	159.5	P.Rft	119625
6	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 and capping/G.I.wire /trenches (rate for cables only):- a) 250/440 volts, PVC insulated: i) 7/0.036 wire	2 x	10 x	100	- =	2000 Rft	
				@	43.50	P.Rft	87000
	ii) 7/0.044 twin core	2 x	10 x	100	- =	2000 Rft	
				@	128.70	P.Rft	257400
7	Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conformimg to IP 65, Philips/Osram /Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/ components required for proper operation , fully flexible for future upgradation and easy replacements for maintenance purposes,bucket elevator charges as approved and directed by the Engineer Incharge. c) 120 Lm/Watt (i) 30 Watt with 3600 lumens	-	-	-	-	10 Nos	
				@	40,570.10	Each	405701

Mosque Front	1 x1	x60	x50	x 1/3	=	999 Cft.
Ward side	1 x1	x150	x50	x 1/3	=	2498 Cft.
Emerg.B/side	1 x1	x140	x25	x 1/3	=	1166 Cft.
						8192 Cft. @Rs.5161.30%Cft Rs.422814/-

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

	1 x2	x3860	x 3/4	x 1/8	=	724 Cft.
						724 Cft. @Rs.28918.55%Cft Rs.209370/-

8 Providing and laying Tuff pavers,having7000 PSI,crushing strength of approved manufacturer,over 2"to3" sand cushion i/c grouting with sand in joints i/c finishing to require slope.complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick

Front B/W i/side	1 x1	x440	x5	=	2200 Sft.
Front Side	1 x2	x300	x8	=	4800 Sft.
W/side	1 x2	x175	x8	=	2800 Sft.
Old Emerg.side	1 x2	x80	x5	=	800 Sft.
Mosque Front	1 x1	x60	x50	=	3000 Sft.
Ward side	1 x1	x150	x50	=	7500 Sft.
Emerg.B/side	1 x1	x140	x25	=	3500 Sft.
					24600 Sft. @Rs.127.40/Sft Rs.3134040/-

Total Rs.7999897/-
Add: 3% Contingency Rs.239997/-
G.Total Rs.8239894/-
Say Rs.8239900/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAILED ESTIMATE OF TUFF PAVERS

MRS, 1st BI-ANNUAL-2022 (1st JANUARY-2022 to 30th JUNE-2022) DISTRICT LAYYAH

1 Excavation in foundation of buildings bridgs and other structure i/c dagbelling dressing watering and ramming lead upto one chain and lift upto 5' in ordernry soil.

Front B/W I/side	1 x2	x465			=	930 Rft.	
Front side M.Ent	1 x2	x630			=	1260 Rft.	
West side	1 x2	x175			=	350 Rft.	
Old Emg.Side	1 x2	x330			=	660 Rft.	
Mosque Front	1 x2	x60			=	120 Rft.	
Ward side	1 x2	x150			=	300 Rft.	
Emerg.B/side	1 x2	x120			=	240 Rft.	
						3860 Rft.	
	1 x2	x3860	x2-1/2	x2	=	38600 Cft.	
						38600 Cft. @Rs.8727.85%oCft	**Rs.336895/-**

2 Dry rammed brick or stone ballast 1-1/2" to 2" gauge in f & plinth.

	1 x2	x3860	x2-1/2	x 1/2	=	9650 Cft.	
						9650 Cft. @Rs.4474.80%Cft	**Rs.431818/-**

3 Filling watering ramming earth under floor with surplus earth from foundation.

Take 2/3 Qty as per It.No.1	38600	x 2/3		=	25708 Cft.	
					25708 Cft. @Rs.4197.60%oCft	**Rs.107912/-**

ii Filling watering ramming earth in floor with new earth excavated from outside lead upto one mile.

Front B/W i/side	1 x1	x440	x5	x1-1/4	=	2750 Cft.	
Front Side	1 x2	x300	x8	x1-1/4	=	6000 Cft.	
W/side	1 x2	x175	x8	x1-1/4	=	3500 Cft.	
Old Emerg.side	1 x2	x80	x5	x1-1/4	=	1000 Cft.	
Mosque Front	1 x1	x60	x50	x1-1/4	=	3750 Cft.	
Ward side	1 x1	x150	x50	x1-1/4	=	9375 Cft.	
Emerg.B/side	1 x1	x140	x25	x1-1/4	=	4375 Cft.	
					=	30750 Cft.	
D/d Surplus earth.				(-)	=	25708 Cft.	
						5042 Cft. @Rs.13219.05%oCft	**Rs.66650/-**

4 Pacca brick work in 1:6 Cement sand mortar foundation and plinth.

	1 x2	x3860	x1-1/8	x 1/4	=	2171 Cft.	
	1 x2	x3860	x 3/4	x2	=	11580 Cft.	
						13751 Cft. @Rs.22294.20%Cft	**Rs.3065675/-**

5 Supplying filling sand under floor or plugging in wells.

Front B/W i/side	1 x1	x440	x5	x 1/3	=	733 Cft.	
Front Side	1 x2	x300	x8	x 1/3	=	1598 Cft.	
W/side	1 x2	x175	x8	x 1/3	=	932 Cft.	
Old Emerg.side	1 x2	x80	x5	x 1/3	=	266 Cft.	
Mosque Front	1 x1	x60	x50	x 1/3	=	999 Cft.	
Ward side	1 x1	x150	x50	x 1/3	=	2498 Cft.	
Emerg.B/side	1 x1	x140	x25	x 1/3	=	1166 Cft.	
						8192 Cft. @Rs.2743.20%Cft	**Rs.224723/-**

6 Providing and laying brick or stone ballast 1-1/2" to 2" guage mixed with 25% sand for floor foundation.

Front B/W i/side	1 x1	x440	x5	x 1/3	=	733 Cft.
Front Side	1 x2	x300	x8	x 1/3	=	1598 Cft.
W/side	1 x2	x175	x8	x 1/3	=	932 Cft.
Old Emerg.side	1 x2	x80	x5	x 1/3	=	266 Cft.

DETAIL ESTIMATE FOR PPRC PIPE 25mm & 32mm DIA

No.	DESCRIPTION	UNIT	AMOUNT
1	Providing, laying, testing and commissioning of POLYPROPYLENERANDOMCOPOLYMER(PPRC) water supply pipe made of (Dadex/Popular/Beta /BBJ)with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge (Internal/External Diameters mentioned) b)PN-20 pipe ii)(3/4") 25 mm		
	1 x 2897	= 2897.00 Rft.	
	Total: -	= **2897.00 Rft. @Rs.53.55/Rft**	**Rs.155134/-**
	ii) 1" dia 32 mm.		
	1 x 2180	= 2180.00 Rft.	
	Total: -	= **2180.00 Rft. @Rs.85.80/Rft**	**Rs.187044/-**
		G.Total	**Rs.342178/-**

Sub Engineer,

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Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

DETAILED ESTIMATE FOR WATER SUPPLY

GENERAL ABSTRACT OF COST

i) PPRC Pipe		
i) 25& 32mm" dia.		Rs.342178/-
	Total =	Rs.342178/-
	Say	Rs.342200/-

Sub Engineer

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Layyah

DETAIL ESTIMATE FOR RCC PIPE 9" DIA

No.	DESCRIPTION	UNIT	AMOUNT
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth		
	i) 9" dia. 1 x 1130 x 2-1/2 x 3 = 8475 Cft. ii) 12" dia. 1 x 4390 x 2-1/2 x 3 = 32925 Cft. Total: - = **41400 Cft. @Rs.7272.55%oCft**		**Rs.301084/-**
2	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.		
	i) 9" dia. 1 x 1130 = 1130 Rft. Total: - = **1130 Rft. @Rs.436.70/Rft**		**Rs.493471/-**
	ii) 12" dia. 1 x 4390 = 4390 Rft. Total: - = **4390 Rft. @Rs.637.05/Rft**		**Rs.2796650/-**
3	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel		
	i) 9" dia. 1 x 1130 x 2-1/2 x 3 = 8475 Cft. ii) 12" dia. 1 x 4390 x 2-1/2 x 3 = 32925 Cft. Total: - = **41400 Cft. @Rs.2059.20%oCft**		**Rs.85251/-**
		G.Total	**Rs.3676456/-**

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DETAIL ESTIMATE FOR RCC PIPE 6" DIA

No.	DESCRIPTION				UNIT	AMOUNT
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m̃) depth					
	i) 6" dia.					
		1 x 120	x 1-1/2	x 1-1/2	=	270 Cft.
		Total: -			=	**270 Cft. @Rs.7272.55%oCft** **Rs.1964/-**
2	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.					
		1 x 120			=	120 Rft.
		Total: -			=	**120 Rft. @Rs.226.95/Rft** **Rs.27234/-**
3	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel					
	i) 6" dia.					
		1 x 120	x 1-1/2	x 1-1/2	=	270 Cft.
		Total: -			=	**270 Cft. @Rs.2059.20%oCft** **Rs.556/-**
						G.Total **Rs.29754/-**

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	78 x 2	x 1-1/4	x 0.667	x 0.454	=	59.05 Kgs.
		Total: -			=	**1517.57 Kg @Rs.25948.05%Kgs** **Rs.393780/-**

9 Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.

	1 x78				=	78.00 No.
		Total: -			=	78.00 No. @Rs.5684.00/Each **Rs.443352/-**
						G.Total **Rs.2058838/**

Sub Engineer,

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Buildings Division
Layyah.

DETAIL ESTIMATE FOR THE WORK CONSTRUCTION OF MAN HOLE SIZE 3 x 2-1/2'

No.	DESCRIPTION					NIT	AMOUNT
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth						
		78 x 5	x 5-1/2	x 3		= 6435 Cft.	
			Total: -			= **6435 Cft @Rs.7272.55%oCft**	**Rs.46799/-**
2	Dry rammed brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-						
		78 x 5	x 5-1/2	x 1/2		= 1073 Cft.	
			Total: -			= **1073 Cft @Rs.4474.80%Cft**	**Rs.47992/-**
3	Pacca brick work with cement sand mortor in 1:4 ratio in other than buildings.						
	L/W	78 x2	x 4-1/2	x 3/4	x 3-1/2	= 1843 Cft.	
		78 x2	x 2-1/2	x 3/4	x 3-1/2	= 1024 Cft.	
			Total: -			= **2867 Cft @Rs.24350.15%Cft**	**Rs.698119/-**
4	1/2"thick Cement snad plaster in 1:4 C.M.						
		78 x2	x(2-1/2	+3)	x3	= 2574 Sft.	
		78 x2	x(2-1/2	+4-1/2)	x 3/4	= 819 Sft.	
		78 x2	x(4	+5-1/2)	x1-1/2	= 2223 Sft.	
			Total: -			= **5616 Sft. @Rs.2591.50%Sft**	**Rs.145539/-**
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4						
		1 x78	x 3	x 2-1/2	x 1/8	= 73 Cft.	
			Total: -			= **73.00 Cft @Rs.28918.55%Cft**	**Rs.21111/-**
6	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finishing.						
		1 x 78	x 2-1/2	x 3		= 585.00 Sft.	
			Total: -			= **585.00 Sft. @Rs.2308.90%Sft**	**Rs.13507/-**
7	Providing and laying 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) (c) Type C (nominal mix 1: 2: 4)						
		1 x 78	x 4	x 1/2	x 3/8	= 527.00 Cft.	
			Total: -			= **527.00 Cft @Rs.471.80/Cft**	**Rs.248639/-**
8	Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position, making joints and fastenings, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).Deformed bars.						
		78 x 6	x 4-3/8	x 0.667	x 0.454	= 620.02 Kgs.	
		78 x 8	x 3-7/8	x 0.667	x 0.454	= 732.21 Kgs.	
		78 x 3	x 1-1/2	x 0.667	x 0.454	= 106.29 Kgs.	

DETAILED ESTIMATE FOR SEWERAGE SYSTEM

GENERAL ABSTRACT OF COST

1	Man hole	**Rs.2058838/-**
2	RCC Pipe	
	i) 6" dia.	**Rs.29754/-**
	ii) 9" dia,12" dia.	**Rs.3676456/-**
iii)	Septic Tank	**Rs.382800/-**
iv)	Collecting Tank	**Rs.677000/-**
	Total =	**Rs.6824848/-**
	Say	**Rs.6824800/-**

Sub Engineer

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DETAILED ESTIMATE FOR SEWERAGE AND WATER SUPPLY.

GENERAL ABSTRACT OF COST

i) Sewerage System		Rs.6824848/-
ii) Water Supply		Rs.342200/-
iii) Tuff Pavers		Rs.8239900/-
iv) Street Light		Rs.2219400/-
	Total	Rs.17626348/-
	Say	Rs.17626300/-

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	1 x 1	x 30	x 30	x 1/3	=	300 Cft	
				Total	=	300 Cft @ 5161.30%Cft	Rs.15484/-

8 Providing and laying Tuff pavers, having 7000 PSI crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick

1 x 30	x 30		=	900 Sft	
				900 Sft @ 127.40/Sft	Rs.114660/-

9 Preparing surface and painting to doors and windows any type (including edges):- 3-coats new surface.

1	x 1	x 20	x 20	=	400 Sft	
			Total	=	400 Sft @ 2242.30%Sft	Rs.8969/-

10 Cement plaster 1:4 upto 20' (6.00 m) height:- a) ½" (13 mm) thick

1 x4	x31-1/2	x2	=	252 Sft.	
			=	252 Sft. @ 2242.30%Sft	Rs. 5651/-
				TOTAL	Rs.620949/-
				Add: 3% Contingency	Rs.18628/-
				Say =	Rs. 639600

Sub Engineer

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ROUGH COST ESTIMATE ON DETAILED BASIS FOR THE "PROVISION OF LITIGANTS SHED I/C FIBER BENCHES.

(MRS)1st BI-ANNUAL-2022(1ST January TO 30th June) District Layyah

1 Excavation in foundation of buildings, bridges and other structures including dag-belling, dressing, refilling around the structures with excavated earth, watering and ramming lead upto one chain and lift upto 5 feet in ordinary soil.

	2 x32-3/8	x2-1/2	x1-1/2	=	243 Cft.	
	2 x29-1/4	x2-1/2	x1-1/2	=	219 Cft.	
RCC Pillar	8 x 1-1/4	x 1-1/4	x 2	=	25 Cft	
			Total	=	487 Cft @ 8727.85%oCft	Rs.4250/-

2 Dry rammed brick or stone ballast 1-1/2" to 2" gauge in f & plinth.

	2 x32-3/8	x2-1/2	x 1/2	=	81 Cft.	
	2 x29-1/4	x2-1/2	x 1/2	=	73 Cft.	
RCC Pillar	8 x 1-1/4	x 1-1/4	x 1/2	=	6 Cft	
			Total	=	160 Cft @ 4474.80%Cft	Rs.7160/-

3 Pacca brick work with cement sand mortar in foundation and plinth.i) Ratio 1:6

	2 x31-7/8	x1-1/2	x 1/4	=	24 Cft.	
	2 x31-1/2	x1-1/8	x2-1/2	=	177 Cft.	
	2 x29-5/8	x1-1/2	x 1/4	=	22 Cft.	
	2 x30	x1-1/8	x2-1/2	=	169 Cft.	
			Total.	=	392 Cft. @Rs.22294.20%Cft	Rs. 87393/-

4 Filling, watering, ramming, earth under floor with i) with surplus earth from foundation, etc.

Take 2/3 of It.No.1	487	x 2/3	=	324 Cft	
		Total.	=	324 Cft. @Rs.4197.60%oCft	Rs. 1360/-

ii Filling, watering, ramming, earth under floor with ii) New earth excavated from out side lead up to one mile.

	1 x30	x30	x2	=	1800 Cft.
			Total.	=	1800 Cft.
Deduction.					
Surplus Earth				=	324 Cft.
Net Qty.	1800	(-)	324	=	1476 Cft. @Rs.13219.05%oCft Rs. 19511/-

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

	2 x31-1/2	x1-1/8	x 1/8	=	9.00 Cft.
	2 x30	x1-1/8	x 1/8	=	8.44 Cft.
	8 x 1-1/4	x 1-1/4	x 2-1/2	=	31.25 Cft
					48.69 Cft @ 28918.55%Cft Rs.14080/-

6 Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P.C.C (1:2:4) i/c the cost of excavation,cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge. (i) 4" dia GI Pipe Supports

	1 x 24	x 21	=	504.00 Sft	
	2 x 1-5/6	x 21	=	76.99 Sft	
			Total =	580.99 Sft	
Add: 8% wastage				46.00 Sft	
			G.Total.	626.99 Sft @ 546.15/Sft	Rs.342431/-

7 Providing and laying brick or stone ballast 1-1/2" to 2" guage mixed with 25% sand for floor foundation.

8 Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects.1-1/2' deep,without back

1 x10-1/2 x3	=	32 Sft.	
Total	=	32 Sft. @ Rs.878.10 / Sft.	Rs.28099/-
		TOTAL	Rs.142273/-
		Add: 3% Contingency	Rs.4268/-
		Say =	Rs. 146500/-

Sub Engineer

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Buildings Sub Division
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Buildings Division
Layyah

CONSTRUTION OF NURSING COUNTER.

(MRS)1st BI-ANNUAL-2022(1ST January TO 30th June) District Layyah

1 Pacca Brick Work in (1:4) cement sand mortar in Ground floor.

1 x10-1/2	x 3/4	x4	=	32 Cft.	
4 x3	x 3/8	x3	=	14 Cft.	
		Total	=	46 Sft. @ Rs.25252.95%Cft.	Rs.11616/-

2 Fabrication of mild steel i/c cutting, bending binding and laying in position i/c removal of rust form bars D. bars (Grade-40)Ch-6 (9-b)

1 x10	x10-3/8 x0.667	x0.454	=	31.00 Kg.	
1 x32	x2-7/8 x0.667	x0.454	=	28.00 Kg.	
		Total.	=	59.00 Kg. @ Rs.25948.05%Kg.	Rs.15309/-

3 R.C.C. work (1:2:4) for in roof slabs, columns, lintels and other structure members i/c curing etc complete in all respcet as per specifiecation (excluding cost of fabrication).Ch-6 (a-i-3) With Shuttering

1 x10-1/2	x3	x 3/8	=	12.00 Cft.	
		Total.		12.00 Cft. @ Rs.471.80 Cft.	Rs.5662/-

4 3/8" thick cement plaster under soffit of RCC roof slab up to 20" height only(1:3)Ch-11,(10-b)

1	x10-1/2	x3	=	32 Sft.
		Total.		32 Sft. @ Rs.2955.85%Sft. Rs.946/-

5 Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatchingsealercompleteinallrespectsasapproved and directed by the Engineer Incharge i)

1	x1	x10-1/2 x2-1/8		22 Sft.	
1	x1	x10-1/2 x1-1/4	=	13 Sft.	
		Total	=	35 Sft. @ Rs.369.35 / Sft.	Rs.12927/-

6 Providingandlaying3/8"thickPrepolishedMarbleskirting/risershaving uniformtexture(spotless)ofsize24"x6"ofapprovedqualityandshadewith adhesivebondover3/4"thick(1:2)cementsandmortorcompleteinallrespecti/cthecostofmatchingsealertofinishthe joints as approved and directed by the Engineer Incharge. i) China Verona

1	x10-1/2	x1	=	11 Sft.	
1	x10-1/2	x4	=	42 Sft.	
1	x10-1/4	x1-1/8	=	12 Sft.	
1	x10-1/2	x2-3/4	=	29 Sft.	
8	x3	x3	=	72 Sft.	
		Total	=	166 Sft. @ Rs.180.20 / Sft.	Rs.29913/-

7 P/F 12mm Thick Imported Glass i/c Fixing Catchers etc all complete.

1 x10-1/2	x4	=	42 Sft.	
	Total	=	42 Sft. @ Rs.900.00 / Sft.	Rs.37800/-

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF CHILLAR BEST QUALITY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Take 1 NO for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of Chillar	1 No	P-Each	300000	300000.00
				TOTAL - A	**300000.00**
B) LABOUR					
	Fixing & Carriage Charges				5000.00
	10% SUNDRIES				500.00
				TOTAL - B	**5500.00**
				G- TOTAL (A+B)	**305500.00**
	ADD 11% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				33605
	OVER ALL TOTAL				**339105.0**
	RATE PER EACH = 339105				339105
				Say Rs:-	**339100 EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the BI-ANNUAL 2022 PERIOD (1st JANUARY, 2022 TO 30th JUNE, 2022) DISTRICT LAYYAH as such the rate of **Rs: 3,39,100/-** has been applied after ascertaining it from the markets.

Sub Engineer

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Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF R.O WATER PURIFICATION PLANT WITH HYGIENIC ULTRA FILTRATION 4000 LPH ROAD LINK CONTRACTING COMPANY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Take 1 NO for analysis purpose.

UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of R.O Water Purification plant	1 No	P-Each	1700000	1700000.00
				TOTAL - A	**1700000.00**
B) LABOUR					
	Fixing & Carriage Charges				20000.00
	10% SUNDRIES				2000.00
				TOTAL - B	**22000.00**
				G- TOTAL (A+B)	**1722000.00**
	ADD 5% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				86100
	OVER ALL TOTAL				**1808100.0**
	RATE PER EACH = $\frac{1808100}{1}$				1808100
				Say Rs:-	**1808100 EACH**

CERTIFICATE

i) Certified that input rate of material and labour for item at Sr. No. and labour rate at Sr. No. Are as per input rates displayed on Website of Finance Department for the BI-ANNUAL 2022 PERIOD (1st JANUARY, 2022 TO 30th JUNE, 2022) DISTRICT LAYYAH as such the rate of **Rs: 18,08,100/-** has been applied after ascertaining it from the markets.

Sub Engineer

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Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

@Rs.334.95/Rft Rs. 401940/-

37 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

1 x6 = 6 No.

Total = 6 No.

@Rs.2201.85/Each Rs. 13211/-

38 PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x5 = 5 No.

Total = 5 No.

@Rs.4400.00/Each Rs. 22000/-

39 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Small (i) 03 Gange

1 x40 = 40 No.

Total = 40 No.

@Rs.661.80/Each Rs. 26472/-

40 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 04 Gange

1 x45 = 45 No.

Total = 45 No.

@Rs.715.80/Each Rs. 32211/-

41 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 05 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.869.40/Each Rs. 43470/-

42 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 06 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.1259.40/Each Rs. 62970/-

Total Rs. 5417057/-

Add: 3% Contingency Rs. 162512/-

G.Total Rs. 5579569/-

Sub Engineer,

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Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah.

31 Supply & Installation of Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

1 x50		=	50 No.
	Total	=	50 No.
@Rs.13830.00/Each			Rs. 691500/-

32 Providing and Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg i/c Fixing With Screws on Porcelain Tile Dado Corners complete in all respects and as Approved by the Engineer Incharge

1 x200	x6	=	1200 Rft.
	Total	=	1200 Rft.
@Rs.373.00/Rft			Rs. 447600/-

33 Deodar wood dado or picture rail 3"x1½" (75x40 mm) as per approved design including moulding and fixed in place,cost of screws, nails, plugs, and painting complete

18 x4	x2-1/2	=	180 Rft.
13 x2	x5	=	130 Rft.
	Total	=	310 Rft.
@Rs.476.75/Rft			Rs. 147793/-

34 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:a) old surface.

1 x1	x186-3/4	x2	=	374 Sft.
1 x2	x90	x13	=	2340 Sft.
1 x2	x75-5/8	x13	=	1966 Sft.
1 x2	x90	x4	=	720 Sft.
1 x2	x76-5/8	x4	=	613 Sft.
		Total	=	6013 Sft.
@Rs.1723.15%Sft				Rs. 103613/-

35 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. i) 20 mm i/d

25 x4	x2-1/2	=	250 Rft.
	Total	=	250 Rft.
@Rs.69.40/Rft			Rs. 17350/-

ii) 25 mm i/d

25 x4	x2-1/2	=	250 Rft.
	Total	=	250 Rft.
@Rs.80.45/Rft			Rs. 20113/-

36 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 and capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")

1 x4	x350	=	1400 Rft.
	Total	=	1400 Rft.
@Rs.20.95/Rft			Rs. 29330/-

iii) 7/0.74 mm (7/0.029")

1 x4	x300	=	1200 Rft.
	Total	=	1200 Rft.
@Rs.33.00/Rft			Rs. 39600/-

v) 7/1.12 mm (7/0.044")

1 x3	x250	=	750 Rft.
	Total	=	750 Rft.
@Rs.60.60/Rft			Rs. 45450/-

viii) 19/1.63 mm (19/0.064")

1 x6	x200	=	1200 Rft.
	Total	=	1200 Rft.

Bath	1 x6	x9-1/2				=	57 Sft.
Toilet	1 x11-5/8	x12				=	140 Sft.
Bath	1 x11-5/8	x10				=	116 Sft.
Bath	1 x2	x(6	+9-1/2)	x7		=	217 Sft.
Toilet	1 x2	x(11-5/8	+12)	x7		=	331 Sft.
Bath	1 x2	x(11-5/8	+10)	x7		=	303 Sft.
			Total				5015 Sft.
					@Rs.1781.95%Sft		Rs. 89365/-

26 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 mortor bed, complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick

Stair	1 x19	x4	x1-1/8			=	86 Sft.
	1 x19	x4	x 1/2			=	38 Sft.
	1 x2	x5	x4			=	40 Sft.
			Total				164 Sft.
					@Rs.841.40/Sft		Rs. 137990/-

27 Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects

	1 x7	x6	x4			=	168 Sft.
	1 x1	x3	x4			=	12 Sft.
			Total				180 Sft.
					@Rs.410.65/Sft		Rs. 73917/-

28 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 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.

	1 x2	x5	x10			=	100 Sft.
	1 x3	x4	x10			=	120 Sft.
	1 x6	x3-1/2	x7			=	147 Sft.
				Total		=	367 Sft.
					@Rs.716.50/Sft		Rs. 262956/-

29 Providing and Laying UPVC Door for wash room of approved manufactured i/c M.S chowkhat 1-1/2x1-1/2x1/4" fixing and all kinds of fitting such as handle tower bolts etc complete in all respect as approved by the Engineer Incharge

	1 x4	x2-1/2	x7			=	70 Sft.
			Total			=	70 Sft.
					@Rs.1200.00/Sft		Rs. 84000/-

30 PROVIDING AND FIXING BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY) ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

	1 x96					=	96 No.
					Total	=	96 No.
					@Rs.4000.00/Each		Rs. 384000/-

21 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

Ent	1 x2	x(26-1/8	+28	)	x5	=	541 Sft.
Duty doctor	1 x2	x(14-1/4	+20	)	x5	=	343 Sft.
Pat.Waiting	1 x2	x(21	+10	)	x5	=	310 Sft.
Dial.Hall	1 x2	x(24	+35	)	x5	=	590 Sft.
			Total				1784 Sft.

@Rs.302.25/Sft Rs. 539214/-

22 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"

Bath	1 x6	x9-1/2	=	57 Sft.
Toilet	1 x11-5/8	x12	=	140 Sft.
Bath	1 x11-5/8	x10	=	116 Sft.
		Total		313 Sft.

@Rs.202.70/Sft Rs. 63445/-

23 Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size, Glossy / Matt / Texture skirting / dado of approvedColor 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"

Bath	1 x2	x(6	+9-1/2)		x5	=	155 Sft.
Toilet	1 x2	x(11-5/8	+12	)	x5	=	236 Sft.
Bath	1 x2	x(11-5/8	+10	)	x5	=	216 Sft.
			Total				607 Sft.

@Rs.209.65/Sft Rs. 127258/-

24 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1"at wall sides, galvanized tee 1¼"x1" and 1½"x1"both at 4'c/c (made of Taiwan CK More equivalent), hanging with G.I/Copper wire 16SWG,G.I hook,Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge iv)

12 mm thick

Ent	1 x26-1/8	x28	=	732 Sft.
Duty doctor	1 x14-1/4	x20	=	285 Sft.
Pat.Waiting	1 x21	x10	=	210 Sft.
Dial.Hall	1 x24	x35	=	840 Sft.
		Total		2067 Sft.

@Rs.89.35/Sft Rs. 184686/-

25 Preparing surface and painting with emulsion paint:- 2 coats old surface

Ent	1 x26-1/8	x28				=	732 Sft.
Duty doctor	1 x14-1/4	x20				=	285 Sft.
Pat.Waiting	1 x21	x10				=	210 Sft.
Dial.Hall	1 x24	x35				=	840 Sft.
Ent	1 x2	x(26-1/8	+28	)	x5	=	541 Sft.
Duty doctor	1 x2	x(14-1/4	+20	)	x5	=	343 Sft.
Pat.Waiting	1 x2	x(21	+10	)	x5	=	310 Sft.
Dial.Hall	1 x2	x(24	+35	)	x5	=	590 Sft.

	1 x2			= 2 No.
				Total = 2 No.
				@Rs.13915.80/Each Rs. 27832/-

16 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-NoTee stop cocks,lever type Basin Mixer,double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall Shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

	1 x2			= 2 No.
				Total = 2 No.
				@Rs.32650.85/Each Rs. 65302/-

17 Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.v) Under Counter Vanity Basin

	1 x2			= 2 No.
				Total = 2 No.
				@Rs.6603.90/Each Rs. 13208/-

18 Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i)Plastic soap dish ii)Plastic toilet paper holder iii)Plastic tower rail iv)Plastic shelf 60x13 cm (24:x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii)Towel rail

	1 x2			= 2 No.
				Total = 2 No.
				@Rs.6600.00/Each Rs. 13200/-

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

Bath	1 x6	x9-1/2	x 1/8	= 7 Cft.
Toilet	1 x11-5/8	x12	x 1/8	= 17 Cft.
Bath	1 x11-5/8	x10	x 1/8	= 15 Cft.
			Total.	= 39 Cft.
				@Rs.28918.55%Cft Rs. 11278/-

20 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. a) Full body Glazed tiles ,(ii) 600mmx 600 mm

Ent	1 x26-1/8	x28		= 732 Sft.
Duty doctor	1 x14-1/4	x20		= 285 Sft.
Pat.Waiting	1 x21	x10		= 210 Sft.
Dial.Hall	1 x24	x35		= 840 Sft.
			Total	2067 Sft.
				@Rs.302.25/Sft Rs. 624751/-

7 Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

Bath	1 x6	x9-1/2	x 1/3	=	19 Cft.
Toilet	1 x11-5/8	x12	x 1/3	=	46 Cft.
Bath	1 x11-5/8	x10	x 1/3	=	39 Cft.
			Total.	=	104 Cft.

@Rs.5161.30%Cft Rs. 5368/-

8 Removing mud plaster from walls.

1 x1	x26-1/8	x5	=	131 Sft.
1 x1	x28	x5	=	140 Sft.
		Total	=	271 Sft.

@Rs.343.20%Sft Rs. 930/-

9 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height:-

1 x1	x26-1/8	x5	=	131 Sft.
1 x1	x28	x5	=	140 Sft.
		Total	=	271 Sft.

@Rs.2591.50%Sft Rs. 7023/-

10 Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)

1 x2	x7	x14	=	196 Rft.
1 x1	x3	x12	=	36 Rft.
		Total	=	232 Rft.

@Rs.418.35/Rft Rs. 97057/-

ii Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 2" i/d (50 mm)

1 x4	x5	x10	=	200 Rft.
		Total.	=	200 Rft.

@Rs.199.10/Rft Rs. 39820/-

11 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

1 x5			=	5 No.
		Total	=	5 No.

@Rs.2174.70/Each Rs. 10874/-

12 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.

1 x5			=	5 No.
		Total	=	5 No.

@Rs.218.35/Each Rs. 1092/-

13 Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").

1 x3			=	3 No.
		Total	=	3 No.

@Rs.899.30/Each Rs. 2698/-

14 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1 x5			=	5 No.
		Total	=	5 No.

@Rs.2379.65/Each Rs. 11898/-

15 Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

ROUGH COST ESTIMATE ON DETAILE BASIS FOR THE WORK REVEMPING OF DIALYSIS UNIT IN DISTRICT HEAD QUARTER HOSPITAL LAYYAH

MRS 1st Bi-annual 2022 (1st January 2022 to 30th June 2022 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

Ent	1 x26-1/8	x28				=	732 Sft.
Duty Doctor	1 x14-1/4	x20				=	285 Sft.
Bath	1 x6	x9-1/2				=	57 Sft.
Pat.Waiting	1 x21	x10				=	210 Sft.
Dial.Hall	1 x24	x35				=	840 Sft.
Toilet	1 x11-5/8	x12				=	140 Sft.
Bath	1 x11-5/8	x10				=	116 Sft.
Ent	1 x2	x(26-1/8	+28	)	x5	=	541 Sft.
Duty Doctor	1 x2	x(14-1/4	+20	)	x5	=	343 Sft.
Bath	1 x2	x(6	+9-1/2)		x5	=	155 Sft.
Pat.Waiting	1 x2	x(21	+10	)	x5	=	310 Sft.
Dial.Hall	1 x2	x(24	+35	)	x5	=	590 Sft.
Toilet	1 x2	x(11-5/8	+12	)	x5	=	236 Sft.
Bath	1 x2	x(11-5/8	+10	)	x5	=	216 Sft.
			Total				4771 Sft.

@Rs.1932.50%Sft **Rs. 92200/-**

2 Removing door with chowkat.

	1 x14					=	14 No.
			Total				14 No.

@Rs.362.35/Each **Rs. 5073/-**

3 Removing windows and sky lights with chowkat.

	1 x15					=	15 No.
			Total				15 No.

@Rs.283.15/Each **Rs. 4247/-**

4 Providing and fixing 2 mm thick Double glazed aluminium windows of anodized bronze colour 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.

1 x5	x2	x1-1/2		=	15 Sft.
1 x7	x6	x4		=	168 Sft.
1 x1	x3	x4		=	12 Sft.
		Total		=	195 Sft.

@Rs.1336.10/Sft **Rs. 260540/-**

5 Dismantling cement concrete 1:2:4 plain.

Bath	1 x1	x6	x9-1/2	=	57 Cft.
Toilet	1 x1	x11-5/8	x12	=	140 Cft.
Bath	1 x1	x11-5/8	x10	=	116 Cft.
			Total.	=	313 Cft.

@Rs.9060.50%Cft **Rs. 28359/-**

6 Supplying and filling sand under floor; or plugging in wells.

Bath	1 x6	x9-1/2	x 1/3	=	19 Cft.
Toilet	1 x11-5/8	x12	x 1/3	=	46 Cft.
Bath	1 x11-5/8	x10	x 1/3	=	39 Cft.
			Total.	=	104 Cft.

@Rs.2743.20%Cft **Rs. 2853/-**

@Rs.334.95/Rft Rs. 452183/-

37 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

1 x13 = 13 No.

Total = 13 No.

@Rs.2201.85/Each Rs. 28624/-

38 PROVIDING AND FIXING AT SITE OF BRACKET FAN 18" SWEEP MADE OF PAK/ YOUNAS/ GFC OR EQUALIVENT APPROVED MAKE I/C COST OF NECESSARY CABLE FOR CONNECITON FROM CEILING ROSE AND SHUTTER COMPLETE

1 x10 = 10 No.

Total = 10 No.

@Rs.4400.00/Each Rs. 44000/-

39 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Small (i) 03 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.661.80/Each Rs. 33090/-

40 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 04 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.715.80/Each Rs. 35790/-

41 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 05 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.869.40/Each Rs. 43470/-

42 P/F PVC double layer Switch kit Faceplate 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 (a) One way Gange Switch Large (i) 06 Gange

1 x50 = 50 No.

Total = 50 No.

@Rs.1259.40/Each Rs. 62970/-

Total Rs. 11111462/-

Add: 3% Contingency Rs. 333344/-

G.Total Rs. 11444806/-

Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Karor

Executive Engineer
Buildings Division
Layyah.

31 Supply & Installation of Phillips, LED Light 24"x24" (RC 099v LED 36S / 865 W 60L60 GM) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

1 x25 = 25 No.

Total = 25 No.

@Rs.13830.00/Each Rs. 345750/-

32 Providing and Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg i/c Fixing With Screws on Porcelain Tile Dado Corners complete in all respects and as Approved by the Engineer Incharge

1 x21 x5 = 105 Rft.

Total = 105 Rft.

@Rs.373.00/Rft Rs. 39165/-

33 Deodar wood dado or picture rail 3"x1½" (75x40 mm) as per approved design including moulding and fixed in place,cost of screws, nails, plugs, and painting complete

21 x4 x2-1/2 = 210 Rft.

21 x2 x5 = 210 Rft.

Total = 420 Rft.

@Rs.476.75/Rft Rs. 200235/-

34 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:a) old surface.

1 x1 x176 x17-1/2 = 3080 Sft.

1 x2 x54-1/2 x17-1/2 = 1908 Sft.

1 x1 x146 x17-1/2 = 2555 Sft.

Total = 7543 Sft.

@Rs.1723.15%Sft Rs. 129977/-

35 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. i) 20 mm i/d

26 x4 x2-1/2 = 260 Rft.

Total = 260 Rft.

@Rs.69.40/Rft Rs. 18044/-

ii) 25 mm i/d

30 x4 x2-1/2 = 300 Rft.

Total = 300 Rft.

@Rs.80.45/Rft Rs. 24135/-

36 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 and capping/G.I. wire/trenches (rate for cables only):-a) 250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029")

1 x5 x350 = 1750 Rft.

Total = 1750 Rft.

@Rs.20.95/Rft Rs. 36663/-

iii) 7/0.74 mm (7/0.029")

1 x5 x300 = 1500 Rft.

Total = 1500 Rft.

@Rs.33.00/Rft Rs. 49500/-

v) 7/1.12 mm (7/0.044")

1 x4 x250 = 1000 Rft.

Total = 1000 Rft.

@Rs.60.60/Rft Rs. 60600/-

viii) 19/1.63 mm (19/0.064")

1 x6 x225 = 1350 Rft.

Total = 1350 Rft.

Bath	1 x2	x(10	+10)	x5	=	200 Sft.
Toilet	1 x2	x(10	+20)	x5	=	300 Sft.
Bath	4 x2	x(5	+7)	x5	=	480 Sft.
Toilet	1 x2	x(10	+20)	x5	=	300 Sft.
			Total			9939 Sft.
					@Rs.1781.95%Sft	**Rs. 177108/-**

26 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 mortor bed, complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick

Stair	1 x24	x4-1/2	x1-1/8	=	122 Sft.
	1 x24	x4-1/2	x 1/2	=	54 Sft.
	1 x10	x5	x1-1/8	=	56 Sft.
			Total		232 Sft.
				@Rs.841.40/Sft	**Rs. 195205/-**

27 Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects

	1 x16	x6	x6	=	576 Sft.
	1 x18	x6	x4	=	432 Sft.
			Total		1008 Sft.
				@Rs.410.65/Sft	**Rs. 413935/-**

28 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 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.

	1 x3	x5	x8-1/2	=	128 Sft.
	1 x13	x4	x8-1/2	=	442 Sft.
			Total	=	570 Sft.
				@Rs.716.50/Sft	**Rs. 408405/-**

29 Providing and Laying UPVC Door for wash room of approved manufactured i/c M.S chowkhat 1-1/2x1-1/2x1/4" fixing and all kinds of fitting such as handle tower bolts etc complete in all respect as approved by the Engineer Incharge

	1 x19	x2-1/2	x7	=	333 Sft.
			Total	=	333 Sft.
				@Rs.1200.00/Sft	**Rs. 399600/-**

30 PROVIDING AND FIXING BEST QUALITY FANCY DOOR HANDLE LOCK AS APPROVED BY THE ENGINEER INCHARGE WITH 5" MACHINE (IMPORTED QUALITY) ETC COMPLETE IN ALL RESPECT AND AS APPROVED BY THE ENGINEER INCHARGE.

1 x16			=	16 No.
		Total	=	16 No.
			@Rs.4000.00/Each	**Rs. 64000/-**

			Total				640 Sft.
						@Rs.202.70/Sft	Rs. 129728/-

23 Providing and laying superb quality Ceramic tiles dado of Masterbrand of specified size, Glossy / Matt / Texture skirting / dado of approvedColor 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"

Bath	1 x2	x(10	+10)	x5	=	200 Sft.
Toilet	1 x2	x(10	+20)	x5	=	300 Sft.
Bath	4 x2	x(5	+7)	x5	=	480 Sft.
Toilet	1 x2	x(10	+20)	x5	=	300 Sft.
			Total			1280 Sft.
					@Rs.209.65/Sft	Rs. 268352/-

24 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'/2'x3'/3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1"at wall sides, galvanized tee 1¼"x1" and 1½"x1"both at 4'c/c (made of Taiwan CK More equivalent), hanging with G.I/Copper wire 16SWG,G.I hook,Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge iv) 12 mm thick

Waiting	1 x20	x42	=	840 Sft.
Nurse	1 x10	x20	=	200 Sft.
Treatment	1 x20	x20	=	400 Sft.
Doctor	1 x10	x20	=	200 Sft.
Linen	2 x10	x20	=	400 Sft.
CCU	1 x30	x20	=	600 Sft.
Nurse	1 x10	x9-5/8	=	96 Sft.
F.Ward	1 x30	x20	=	600 Sft.
Corridor	1 x155-1/4	x10	=	1553 Sft.
"	1 x15	x20	=	300 Sft.
ECG/ETT	1 x10	x20	=	200 Sft.
P.Bed	4 x10	x20	=	800 Sft.
Ret	1 x10	x20	=	200 Sft.
Doctor	1 x10	x20	=	200 Sft.
M.ward	1 x30	x20	=	600 Sft.
		Total		7189 Sft.
			@Rs.89.35/Sft	Rs. 642337/-

25 Preparing surface and painting with emulsion paint:- 2 coats old surface

Waiting	1 x2	x(20	+42)	x5	=	620 Sft.
Nurse	1 x2	x(10	+20)	x5	=	300 Sft.
Treatment	1 x2	x(20	+20)	x5	=	400 Sft.
Doctor	1 x2	x(10	+20)	x5	=	300 Sft.
Linen	2 x2	x(10	+20)	x5	=	600 Sft.
CCU	1 x2	x(30	+20)	x5	=	500 Sft.
Nurse	1 x2	x(10	+9-5/8)	x5	=	196 Sft.
F.Ward	1 x2	x(30	+20)	x5	=	500 Sft.
Corridor	1 x2	x(155-1/4	+10)	x5	=	1653 Sft.
"	1 x2	x(15	+20)	x5	=	350 Sft.
ECG/ETT	1 x2	x(10	+20)	x5	=	300 Sft.
P.Bed	4 x2	x(10	+20)	x5	=	1200 Sft.
Ret	1 x2	x(10	+20)	x5	=	300 Sft.
Doctor	1 x2	x(10	+20)	x5	=	300 Sft.
M.ward	1 x2	x(30	+20)	x5	=	500 Sft.
Bath	1 x10	x10			=	100 Sft.
Toilet	1 x10	x20			=	200 Sft.
Bath	4 x5	x7			=	140 Sft.
Toilet	1 x10	x20			=	200 Sft.

20 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. a) Full body Glazed tiles ,(ii) 600mmx 600 mm

Waiting	1 x20	x42	=	840 Sft.
Nurse	1 x10	x20	=	200 Sft.
Treatment	1 x20	x20	=	400 Sft.
Doctor	1 x10	x20	=	200 Sft.
Linen	2 x10	x20	=	400 Sft.
CCU	1 x30	x20	=	600 Sft.
Nurse	1 x10	x9-5/8	=	96 Sft.
F.Ward	1 x30	x20	=	600 Sft.
Corridor	1 x155-1/4	x10	=	1553 Sft.
"	1 x15	x20	=	300 Sft.
ECG/ETT	1 x10	x20	=	200 Sft.
P.Bed	4 x10	x20	=	800 Sft.
Ret	1 x10	x20	=	200 Sft.
Doctor	1 x10	x20	=	200 Sft.
M.ward	1 x30	x20	=	600 Sft.
		Total		7189 Sft.
			@Rs.302.25/Sft	Rs. 2172875/-

21 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

Waiting	1 x2	x(20	+42	)	x5	=	620 Sft.
Nurse	1 x2	x(10	+20	)	x5	=	300 Sft.
Treatment	1 x2	x(20	+20	)	x5	=	400 Sft.
Doctor	1 x2	x(10	+20	)	x5	=	300 Sft.
Linen	2 x2	x(10	+20	)	x5	=	600 Sft.
CCU	1 x2	x(30	+20	)	x5	=	500 Sft.
Nurse	1 x2	x(10	+9-5/8)		x5	=	196 Sft.
F.Ward	1 x2	x(30	+20	)	x5	=	500 Sft.
Corridor	1 x2	x(155-1/4	+10	)	x5	=	1653 Sft.
"	1 x2	x(15	+20	)	x5	=	350 Sft.
ECG/ETT	1 x2	x(10	+20	)	x5	=	300 Sft.
P.Bed	4 x2	x(10	+20	)	x5	=	1200 Sft.
Ret	1 x2	x(10	+20	)	x5	=	300 Sft.
Doctor	1 x2	x(10	+20	)	x5	=	300 Sft.
M.ward	1 x2	x(30	+20	)	x5	=	500 Sft.
			Total				8019 Sft.
						@Rs.302.25/Sft	Rs. 2423743/-

22 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"

Bath	1 x10	x10	=	100 Sft.
Toilet	1 x10	x20	=	200 Sft.
Bath	4 x5	x7	=	140 Sft.
Toilet	1 x10	x20	=	200 Sft.

14 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1 x7 = 7 No.

Total = 7 No.

@Rs.2379.65/Each Rs. 16658/-

15 Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1 x4 = 4 No.

Total = 4 No.

@Rs.13915.80/Each Rs. 55663/-

16 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-NoTee stop cocks,lever type Basin Mixer,double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall Shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1 x4 = 4 No.

Total = 4 No.

@Rs.32650.85/Each Rs. 130603/-

17 Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.v) Under Counter Vanity Basin

1 x2 = 2 No.

Total = 2 No.

@Rs.6603.90/Each Rs. 13208/-

18 Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i)Plastic soap dish ii)Plastic toilet paper holder iii)Plastic tower rail iv)Plastic shelf 60x13 cm (24:x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii)Towel rail

1 x4 = 4 No.

Total = 4 No.

@I .6600.00/Each Rs. 26400/-

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

Toilet	1 x7	x5	x 1/8	= 4 Cft.
"	1 x7	x4-5/8	x 1/8	= 4 Cft.
"	7 x5	x7	x 1/8	= 31 Cft.
Lav	2 x10	x7	x 1/8	= 18 Cft.
			Total.	= 57 Cft.

@Rs.28918.55%Cft Rs. 16484/-

Lav	2 x10	x7	x 1/3	=	47 Cft.
			Total.	=	152 Cft.
				@Rs.2743.20%Cft	Rs. 4170/-

7 Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all

Toilet	1 x7	x5	x 1/3	=	12 Cft.
"	1 x7	x4-5/8	x 1/3	=	11 Cft.
"	7 x5	x7	x 1/3	=	82 Cft.
Lav	2 x10	x7	x 1/3	=	47 Cft.
			Total.	=	152 Cft.
				@Rs.5161.30%Cft	Rs. 7845/-

8 Removing mud plaster from walls.

	1 x1	x46-1/2	x5	=	233 Sft.
	1 x2	x7-1/2	x5	=	75 Sft.
	1 x2	x7-3/4	x5	=	78 Sft.
	1 x2	x9	x5	=	90 Sft.
	1 x1	x21-1/2	x5	=	108 Sft.
				Total =	584 Sft.
				@Rs.343.20%Sft	Rs. 2004/-

9 1/2" thick cement plaster 1:4 upto 20' (6.00 mm) height:-

	1 x1	x46-1/2	x5	=	233 Sft.
	1 x2	x7-1/2	x5	=	75 Sft.
	1 x2	x7-3/4	x5	=	78 Sft.
	1 x2	x9	x5	=	90 Sft.
	1 x1	x21-1/2	x5	=	108 Sft.
				Total =	584 Sft.
				@Rs.2591.50%Sft	Rs. 15134/-

10 Providing and installing P.V.C. blind pipe, B.S.S. Class 'B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 4" i/d (100 mm)

	1 x4	x7	x14	=	392 Rft.
	1 x2	x3	x12	=	72 Rft.
				Total =	464 Rft.
				@Rs.418.35/Rft	Rs. 194114/-

ii Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. b) 2" i/d (50 mm)

	1 x6	x5	x10	=	300 Rft.
				Total =	300 Rft.
				@Rs.199.10/Rft	Rs. 59730/-

11 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured

	1 x7			=	7 No.
				Total =	7 No.
				@Rs.2174.70/Each	Rs. 15223/-

12 Providing and fitting "P" trap:- ii) 10 cm (4") glazed.

	2 x11			=	22 No.
				Total =	22 No.
				@Rs.218.35/Each	Rs. 4804/-

13 Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").

	2 x11			=	22 No.
				Total =	22 No.
				@Rs.899.30/Each	Rs. 19785/-

ROUGH COST ESTIMATE ON DETAILE BASIS FOR THE WORK REVEMPING OF CCU WARD IN DISTRICT HEAD QUARTER HOSPITAL LAYYAH

MRS 1st Bi-annual 2022 (1st January 2022 to 30th June 2022 for District Layyah)

1 Dismantling glazed or encaustic tiles, etc.

CCU	1 x30	x20				=	600 Sft.
Bath	1 x10	x10				=	100 Sft.
F.Ward	1 x30	x20				=	600 Sft.
Toilet	1 x10	x20				=	200 Sft.
ECG/ETT	1 x10	x20				=	200 Sft.
M.Ward	1 x30	x20				=	600 Sft.
Toilet	1 x10	x20				=	200 Sft.
Ent	1 x2	x(30	+20	)	x5	=	500 Sft.
Duty Doctor	1 x2	x(10	+10	)	x5	=	200 Sft.
Bath	1 x2	x(30	+20	)	x5	=	500 Sft.
Pat.Waiting	1 x2	x(10	+20	)	x5	=	300 Sft.
Dial.Hall	1 x2	x(10	+20	)	x5	=	300 Sft.
Toilet	1 x2	x(30	+20	)	x5	=	500 Sft.
Bath	1 x2	x(10	+20	)	x5	=	300 Sft.
			Total				5100 Sft.

@Rs.1932.50%Sft Rs. 98558/-

2 Removing door with chowkat.

	1 x34		=	34 No.
		Total		34 No.

@Rs.362.35/Each Rs. 12320/-

3 Removing windows and sky lights with chowkat.

	1 x53		=	53 No.
		Total		53 No.

@Rs.283.15/Each Rs. 15007/-

4 Providing and fixing 2 mm thick Double glazed aluminium windows of anodized bronze colour 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

1 x16	x6			=	576 Sft.
1 x18	x6	x4		=	432 Sft.
1 x19	x3	x2		=	114 Sft.
		Total		=	1122 Sft.

@Rs.1336.10/Sft Rs. 1499104/-

5 Dismantling cement concrete 1:2:4 plain.

Toilet	1 x7	x5	x 1/8	=	4 Cft.
"	1 x7	x4-5/8	x 1/8	=	4 Cft.
"	7 x5	x7	x 1/8	=	31 Cft.
Lav	2 x10	x7	x 1/8	=	18 Cft.
			Total.	=	57 Cft.

@Rs.9060.50%Cft Rs. 5164/-

6 Supplying and filling sand under floor; or plugging in wells.

Toilet	1 x7	x5	x 1/3	=	12 Cft.
"	1 x7	x4-5/8	x 1/3	=	11 Cft.
"	7 x5	x7	x 1/3	=	82 Cft.

Description	Quantity	Unit.	As Per A.A 2nd BI-ANNUAL-2021 B:Portion	P.H	E.I	Total Rate	Amount	Quantity	Unit.	As per Amended 1ST BI-ANNUAL-2022 B:Portion	P.H	E.I	Total Rate	Amount	Difference Excess	Difference Saving	Remarks.
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 External Development	1	No Job	Rs. 13530200			Rs. 13530200.00	Rs. 13530200	1	No Job	Rs. 17626300			Rs. 17626300.00	Rs. 17626300	4096100	Rs.–Nil–	
						Total =	Rs. 41483053						Total =	Rs. 46746383	7142258	1878928	
Add:5% PRA Charges.							Rs. 2074153							Rs. 2337319	357113	93946	
						G.Total.	Rs. 43557206						G.Total.	Rs. 49083702	7499371	1972874	
						43557200	Rs. 43.557(M)						Rs. 49083700	Rs. 49.084(M)	7.499(M)	1.973(M)	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL LAYYAH FOR THE YEAR 2021-22

ABSTRACT OF COST.

S. N.	Description	Quantity	Unit.	As Per A.A 2nd BI-ANNUAL-2021 B:Portion	P.H	E.I	Total Rate	Amount	Quantity	Unit.	As per Amended 1ST BI-ANNUAL-2022 B:Portion	P.H	E.I	Total Rate	Amount	Difference Excess	Difference Saving	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	NON RESIDENTIAL PORTION.																	
1	Construction of Room for Purification Plant (16.50x15')	297	Sft	P.Sft Rs. 2134	78	110	Rs. 2322.00	Rs. 689634	297	Sft	P.Sft Rs. 2574	110	146	Rs. 2830.00	Rs. 840510	150876	Rs.--Nil--	Plinth Area Rates for 1st BI-ANNUAL-2022 (1ST Jan TO 30th June 2022) DISTRICT LAYYAH.
2	Cost of Revemping of CCU Ward	1	No	Job Rs. 13229332			Rs. 13229332.00	Rs. 13229332	1	No	Job Rs. 11444806			Rs. 11444806.00	Rs. 11444806	Rs.--Nil--	1784526	Detailed attached
3	Cost of Revemping of Dialysis Unit	1	No	Job Rs. 4620887			Rs. 4620887.00	Rs. 4620887	1	No	Job Rs. 5579569			Rs. 5579569.00	Rs. 5579569	958682	Rs.--Nil--	Detailed attached
4	Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH .	1	No	Each Rs. 1455200			Rs. 1455200.00	Rs. 1455200	1	No	Each Rs. 1808100			Rs. 1808100.00	Rs. 1808100	352900	Rs.--Nil--	Analysis attached
5	Cost of Chiller .	1	No	Each Rs. 252800			Rs. 252800.00	Rs. 252800	1	No	Each Rs. 339100			Rs. 339100.00	Rs. 339100	86300	Rs.--Nil--	Analysis attached
6	Construction of Boundary Wall 9" thick 8' Height above DPC level.	1290	Rft	Rft Rs. 5075			Rs. 5075.00	Rs. 6546750	1290	Rft	Rft Rs. 6225.00			Rs. 6225.00	Rs. 8030250	1483500	Rs.--Nil--	MRS Rates 1st Biannual 2022
7	Providing and fixing anti climb high security galvanized razor cutwire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm diahigh 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" embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge.(i) 24 " diameter	450	Rft	Rft Rs. 443			Rs. 443.00	Rs. 199350	450	Rft	Rft Rs. 322.55			Rs. 322.55	Rs. 145148	Rs.--Nil--	54202	MRS Rates 1st Biannual 2022
8	Provision of Nursing Counter	2	No	Each Rs. 166600			Rs. 166600.00	Rs 333200	2	No	Each Rs. 146500			Rs. 146500.00	Rs. 293000	Rs.--Nil--	40200	Detailed attached
9	Construction of Car Parking Shed	1	No	Job Rs. 625700			Rs. 625700.00	Rs. 625700	1	No	Job Rs. 639600			Rs. 639600.00	Rs. 639600	13900	Rs.--Nil--	Detailed attached

S. No.	Description	Quantity	Unit.	Plinth Area Rates for 2nd BI-ANNUAL-2021 (1ST July TO 31st December 2021) DISTRICT LAYYAH. Rate B:Portion	P.H	E.I	Total Rate	Amount	Remarks.
1	2	3	4	5	6	7	8	9	10
8	Provision of Nursing Counter	2 No.	Each	Rs. 166600			Rs. 166600.00	Rs. 333200	Detailed attached
9	Construction of Car Parking Shed	1 No	Job	Rs. 625700			Rs. 625700.00	Rs. 625700	Detailed attached
	External Development	1 No	Job	Rs. 13530200			Rs. 13530200.00	Rs. 13530200	Detailed attached
							Total =	Rs. 41483053	
	Add:5% PRA Charges.							Rs. 2074153	
							G.Total.	Rs. 43557206	
							43557200	Rs. 43.557(M)	

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL LAYYAH.

ABSTRACT OF COST.

S. N.	Description	Quantity		Unit.	Plinth Area Rates for 2nd BI-ANNUAL-2021 (1ST July TO 31st December 2021) DISTRICT LAYYAH. Rate B:Portion				P.H	E.I	Total Rate		Amount		Remarks.
1	2	3		4	5				6	7	8		9		10
1	Construction of Room for Purification Plant (16.50x15')	297	Sft	P.Sft	Rs.	2134				78	110	Rs.	2322.00	Rs.	689634	Plinth Area Rates for 2nd BI-ANNUAL-2021 (1ST July TO 31 December 2021) DISTRICT LAYYAH.
2	Cost of Revemping of CCU Ward	1	No	Job	Rs.	13229332						Rs.	13229332.00	Rs.	13229332	Detailed attached
3	Cost of Revemping of Dialysis Unit	1	No	Job	Rs.	4e20887						Rs.	4e20887.00	Rs.	4620887	Detailed attached
4	Cost of RO water Filtration Plant with hyginic Ultra filtraion 4000 LPH.	1	No	Each	Rs.	1455200						Rs.	1455200.00	Rs.	1455200	Analysis attached
5	Cost of Chiller.	1	No	Each	Rs.	252800						Rs.	252800.00	Rs.	252800	Analysis attached
6	Construction of Boundary wall 9" thick 8' Height above DPC Level	1290	Rft	Rft	Rs.	5075						Rs.	5075.00	Rs.	6546750	Plinth Area rates
7	Provision of Security Razorcut wire on Boundary Wall	450	Rft	Rft	Rs.	443						Rs.	443.00	Rs.	199350	Analysis attached

AMENDED ROUGH COST ESTIMATE FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION LAYYAH FOR THE WORK "REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL LAYYAH FOR THE YEAR 2021-22.

Reference:- Project Manager Civil PMU P&SH Department Govt. of the Punjab Lahore vide office order No. PMU/(P&SHD)/2021/1478 dated: 21.12.2021

HISTORY:-

The scheme Revamping of DHQ Hospital Layyah was administratively approved vide letter quoted under reference amounting to **Rs. 43.557(M)** Due to non-availability of funds tender could not be process. Now the new MRS 1st biannual 2022 has been issued by the Finance Department. The client department requested vide his letter quoted above reference to provide the amended rough cost estimate.

Hence, the amended Rough Cost estimate for the said scheme has been prepared on 1st Biannual 2022 amounting to **Rs. 49.084(M)** has been prepared for arranging amended administrative approval & release of funds from the competent authority.

SCOPE OF WORK

S.No	Description of Items	Qty	Unit
1	Construction of Room for Purification Plant (16.50x15')	297	Sft
2	Revamping of CCU Ward	1	No
3	Revamping of Dialysis Unit	1	No
4	RO water Filtration Plant with hygienic Ultra filtration 4000 LPH.	1	No
5	Cost of Chiller.	1	No
6	Construction of Boundary Wall 9" thick 8' Height above DPC level.	1290	Rft
7	Providing and fixing anti climb high security galvanized razor cutwire (i) 24 " diameter	450	Rft
8	Provision of Nursing Counter	2	No
9	Construction of Car Parking Shed	1	No
10	External Development	1	No

EXECUTION:

The work will be got executed in accordance with the Provincial Works Department specifications and to the entire satisfaction of the Engineer Incharge, after observing all codal formalities etc.

SPECIFICATION/ CARRYING OUT OF WORK.

The work will be carried out according to building department specifications with latest edition through the approved contractors of P.W.D after calling tenders on competitive grounds.

RATE. The estimate is based on latest approved plinth area rates notified by the Chief Engineer Punjab Works Department Lahore for the period 1st **BI-ANNUAL 2022 PERIOD (1st January, 2022 TO 30th June, 2022)** and as per nonscheduled rates prepared on analysis basis according to prevailing market rates.

LAND No provision for acquisition of land has been made in the estimate as the same is already available with the client department.

COST. The total cost of the scheme comes to **Rs. 49.084 (M).**

TIME. This Scheme will be take about **18 months** to complete the work from the date of actual commencement subject to the release of full funds.

Sub Divisional Officer,
Buildings Sub Division
Layyah

Executive Engineer
Buildings Division
Layyah

(5)

Sr. #	Name of Health Facility	District	Approved Cost as per 2nd Bi-Annual 2021
1	Revamping of THQ Hospital Karor Lal Esan	Layyah	45.900 (M)
2	Revamping of THQ Hospital Choubara	Layyah	36.589 (M)
3	Revamping of THQ Hospital Thal	Layyah	49.457 (M)
4	Balance work of Revamping of DHQ Hospital Layyah	Layyah	43.557 (M)

2nd Annual

49.945 (M)

49.991

49.991

D/C

Project Manager Civil
PMU P&SHD

A copy is forwarded for information to the:

1. Project Director, PMU, Primary and Secondary Healthcare Department Punjab.
2. Deputy Project Director, PMU, Primary and Secondary Healthcare Department Punjab.
3. Chief Engineer Buildings South, Lahore.
4. Director Infrastructure, PMU, Primary and Secondary Healthcare Department Punjab.
5. Chief Executive Officer Health Layyah.
6. Office copy I&C wing.

(4)

No. PMU/(P&SHD)/2021/1478
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated: December 21, 2021

To

Executive Engineer,
Buildings Division,
Layyah.

SUBJECT: EXECUTION/COMPLETION OF VARIOUS PRIMARY AND SECONDARY HEALTHCARE DEPARTMENT PROJECT FOR THE FINANCIAL YEAR OF 2021-2022 OF LAYYAH DISTRICT.

It is stated that Primary and Secondary Healthcare Department (P&SHD) is determined to enhance the service delivery of its primary and secondary healthcare facilities. For this purpose, P&SHD has chalked out the most deserving Healthcare facilities across the Punjab. Execution/Revamping of Primary & Secondary Healthcare facilities is a top priority among development programmes of Government of Punjab.

Several Healthcare facilities of District Layyah lying under following schemes of ADP were approved in DDSC in this financial year.

- ADP No. 1013 "Balance Work of Revamping of all DHQ/ 15 THQ Hospitals in Punjab"
- ADP No. 995 "Strengthening of Basic Health Units (BHU's) of Punjab Phase-II".
- ADP No. 792 "Programme for Revamping of all THQ Hospitals in Punjab".

Despite Execution/Completion of all sub schemes of above projects, only following schemes are selected for execution/completion in this financial year. In order to complete this partial funding of these following schemes have already been done and remaining funds are likely to be released before 15th January 2022.

So in view of above, it is stated to please take further necessary action (Tendering/Execution or Revision of Estimates as per 1st Bi-Annual MRS of 2022) for in time completion of these sub schemes. However, in case the estimates of these below mentioned facilities are need to be revised as per New MRS rates (1st Jan 2022 to 31st July 2022) then it must be noted that only rates may be revised on the similar scope which is already approved as per P&D Guidelines.

PROVINCE	PUNJAB
STATION	DISTRICT LAYYAH
DIVISION	BUILDINGS DIVISION LAYYAH.
SUB DIVISION	BUILDINGS SUB DIVISION LAYYAH
NAME OF WORK	AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL LAYYAH FOR THE YEAR 2021-22
MAJOR HEAD	
MINOR HEAD	
ESTIMATED COST	Rs: 49.084 (M)

GOVERNMENT OF THE PUNJAB

BUILDINGS DIVISION LAYYAH

AMENDED ROUGH COST ESTIMATE FOR THE WORK "REVAMPING OF DISTRICT HEAD QUARTER HOSPITAL LAYYAH FOR THE YEAR 2021-22

Estimate Cost Rs: 49.084(M)

BUILDINGS SUB DIVISION LAYYAH

(2)

OFFICE OF THE SUPERINTENDING ENGINEER
BUILDINGS CIRCLE D.G.KHAN
Ph: 064-9260272-73 Fax 064-9260662
email: pbcdgkhan@gmail.com

To

The Chief Executive Officer
District Health Authority
Layyah.

No. 2331 /DB Dated: 5-1-/2022

Subject: - **AMENDED ROUGH COST ESTIMATES FOR THE WORK.**

Kindly find enclosed herewith the Rough Cost Estimate of the works detailed as under prepared on the basis of MRS 1st Bi Annual 2022 (1st Jan 2022 to 30th June 2022) for District Layyah, for arranging Administrative Approval and allotment of funds from the Competent Authority.

Sr. No.	Name of Work	Estimated Cost
1.	Revamping of District Head Quarter Hospital, Layyah.	**Rs.49.084(M)**
2.	Revamping of Tehsil Head Quarter Hospital Choubara District Layyah.	**Rs.41.004(M)**

D.A/Estimate.

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

CC:-

The Executive Engineer, Buildings Division Layyah for information. He is directed to pursue the case at personal level.

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A
Grant Number: Development - (PC22036)
LO NO:N/A
A/C To be Credited: Assan Assignment

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	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		**15.000**	**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

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. Gymea 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

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

10. 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	**7.680**	**11.805**
Utilization	**6.385**	**2.232**

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	**11.706**	**32.427**
Utilization	**11.706**	**8.310**

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

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

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12.3 IMPLEMENTATION PLAN

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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

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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. ADEEL ASLAM **Designation:**Project Director, PMU P&SHD
Email: **Tel. No.:**042-99231206
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 DHQ, Layyah. (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:

(HISSAN ANEES)
DIRECTOR PLANNING & HR, PMU,
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(042-99231206)
(Oct-2022)

(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
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Checked By:

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DEPPUTY PROJECT DIRECTOR (PMU),
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(Oct-2022)

(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
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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)

17. RELATION WITH OTHER PROJECTS

20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
Description & Objectives			
1	does the pc-i specify link/alignment with punjab growth strategy, punjab spatial strategy (if relevant) & sustainable development goals?	NO	
2	do project objectives/justification include focus on marginalised groups (women, pwds, minorities, transgender, poor etc.)?	NO	
Use of Gender Disaggregated Data			
1	has gender disaggregated data been used to determine need for the project? if yes, identity the source. if not, what additions/observations have been made to strengthen the pc-i?	NO	
2	was gender disaggregated data used to identify potetialimpact of the project on selected beneficiaries?	NO	
Social Impact			
1a	have marginalised groups been included as beneficiaries of the project?	NO	
1b	if yes, does the pc-1 specify a specific quota/percentage for the marginalised (women, peds, etc.)?	NO	
2	does the pc-1 include specific provisions for capacity building / training of women (if applicable)?	NO	
Results Based Monitoring			
1a	does the pc-i include a results based monitoring framework (rbmf)/logical framework?	NO	
1b	if yes, does the framework include measurable targets relating to impact on marginalised groups?	NO	
2	were sdg indicators used for determining targets included in the pc-i?	NO	
3	was gender disaggregated data used to establish baseline and develop quantifiable targets/key indicators?	NO	
4	if yes, identify the source/refresh institute(s)?	NO	
Inculsion/Participation			
1	was female representation ensured in planning and adp formulization?	NO	
2a	was stakeholder consultation held during adp formulization and/or pc-idevelopment?	NO	
2b	if yes, did the consultation include experts and representatives of marginalised groups and csos?	NO	

3	was participation of representatives of marginalised groups ensured in pc-1 rist assessment planning?	NO	
Monitoring & Evaluation			
1	does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO	
2a	does the project include formation of a steering committee and/or project implementation committiees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	