



PC-1

Balance Work of Revamping of DHQ Hospital Lodhran

ORIGINAL APPROVED COST	<b>PKR Million. 184.164/-</b>
ORIGINAL APPROVED GESTATION	<b>43 Months Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

## **1. NAME OF THE PROJECT**

Balance Work of Revamping of DHQ Hospital Lodhran

## **2. LOCATION OF THE PROJECT**

### **2.1. DISTRICT(S)**

I. LODHRAN

### **2.2. TEHSIL(S)**

I. LODHRAN

## **3. AUTHORITIES RESPONSIBLE FOR**

### **3.1. SPONSORING AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.2. EXECUTION AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.3. OPERATIONS AND MAINTENANCE AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.4. CONCERNED FEDERAL MINISTRY**

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

#### 4. PLAN PROVISION

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>GS No:</b> 5351
3	<b>Total Allocation:</b> 0.000
4	<b>Comments:</b> 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



## **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 Lodhran:	101,320 SFT
Area completed:	34,145 SFT
Area descoped:	64,138 SFT
External Development and Electrification:	Not Executed

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

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

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

## **5.2 Infrastructural Interventions**

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

Major infrastructural interventions can be divided in the following three categories

### **5.4.1 External Development**

### **5.4.2 Internal Development**

### **5.4.3 Medical Infrastructure Development**

### **5.4.4 Emergencies Development**

## **5.3 External Development**

### **5.3.1.1 External Platforms**

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

### **5.3.1.2 Façade Improvement**

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

### **5.3.1.3 Sewerage System**

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

#### **5.3.1.4 External Electrification**

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

#### **5.3.2.1 Ramp and Stretcher improvement**

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

#### **5.3.2.2 Seamless flooring and Lead Lining**

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

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

#### **5.3.2.3 Aluminum doors and windows**

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

#### **5.3.2.4 Improvement of washroom blocks**

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

#### **5.3.2.5 Fire and theft security**

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

#### **5.3.3 Medical Infrastructure Development**

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

#### **5.3.3.1 ICU**

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

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

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

#### **5.3.3.2 CCU**

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

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



#### **5.3.3.3 DIALYSIS UNIT**

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

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

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

#### **5.3.3.4 BURN UNIT**

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

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

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

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

#### **5.4.1 EMERGENCY DAPARTMENT:**

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

#### **5.4.2 General Overview of Emergency Department**

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

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

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

#### **5.4.3 Position of Emergency Department**

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

#### **5.4.4 Addition of Portico and External Structures**

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

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

#### **5.4.5 General Building Interventions:**

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

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

#### **5.5 Introduction of IT-based solutions**

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

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

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

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

- MLC portal

## **5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)**

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

### **5.6.1 MSDS (Minimum Service Delivery Standards)**

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

### **The PDSA cycle**

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

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

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

#### **5.6.2 Supply of missing Biomedical and non-biomedical equipment**

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

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

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

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



## **5.7. Electronic Medical Record (EMR) and QMS**

### **5.7.1 Queue Management System (QMS)**

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

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

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

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

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

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

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

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

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

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

#### **5.7.2 Public Address System**

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

#### **5.7.3 CCTV System**

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

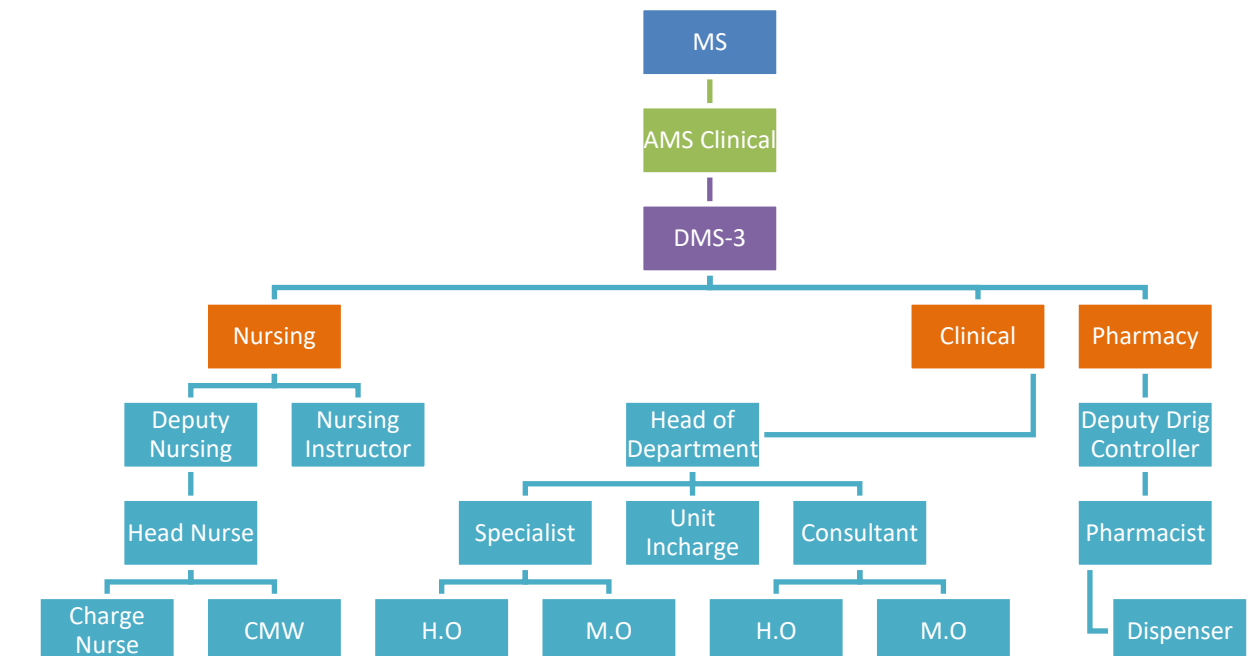
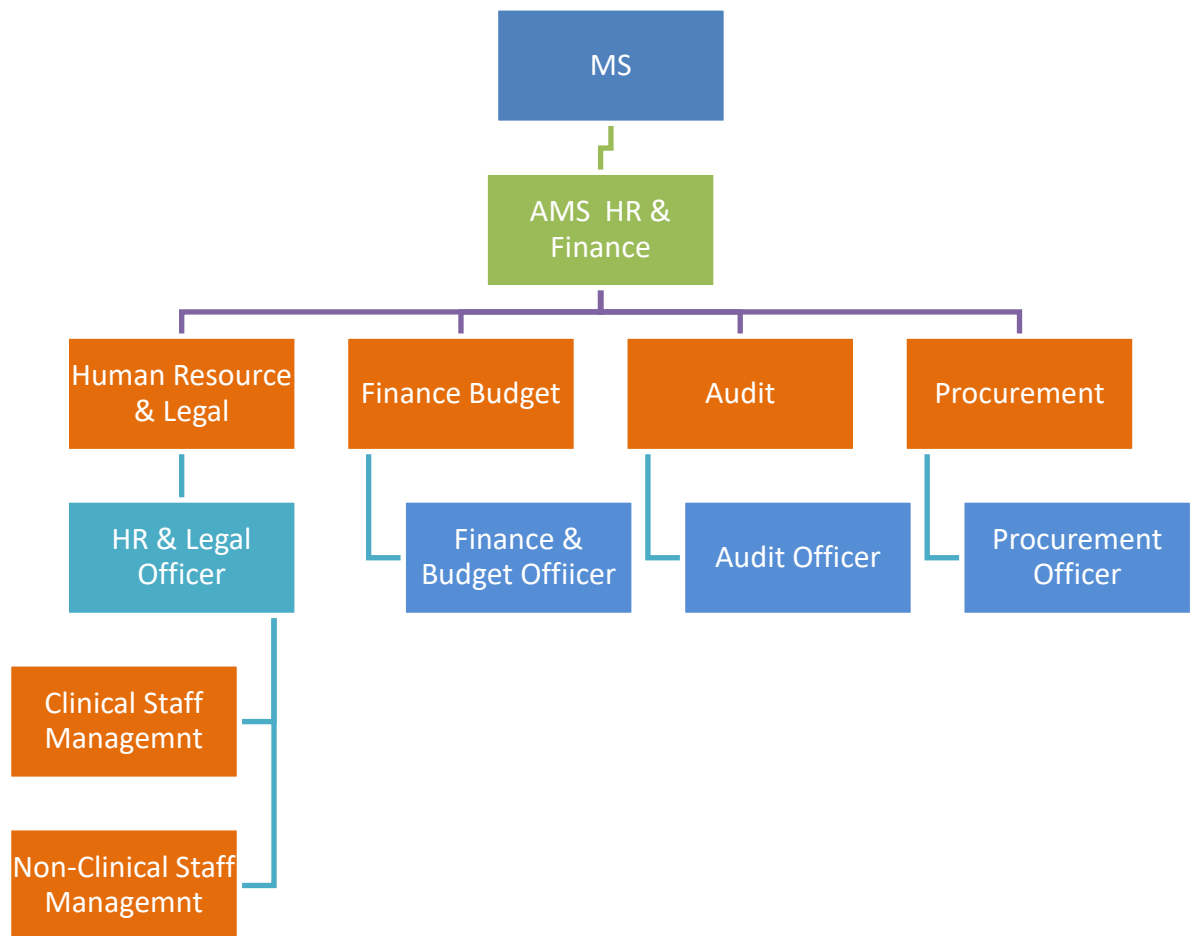
#### **5.7.4 EMR and Networking**

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

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

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

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



## Financial Implications of New Management Structure

Students

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 83<sup>rd</sup> 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:

<b><u>Project Pay Scale</u></b> <b><u>(PPS)</u></b>	<b><u>Revised Project Pay Scales</u></b> <b><u>(Permissible Range) (PKR)</u></b>	<b><u>Annual Increment</u></b> <b><u>Up to % age</u></b>
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 83<sup>rd</sup> PDWP meeting held on 28-06-2022:

<b>Name of Post</b>	<b>No. of Employees</b>	<b>Original Pay package approved</b>		<b>Revised Pay package</b>	
		<b>Per Month Salary</b>	<b>Salary for One Year</b>	<b>Per Month Salary</b>	<b>Salary for One Year</b>
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	<b>805,000</b>	<b>12,720,000</b>	<b>1,059,000</b>	<b>16,812,000</b>

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

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

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

##### **5.8.2.1 HR / Legal Officer**

Shall be responsible for following:

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

#### **Eligibility Criteria**

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

#### **5.8.2.2 Finance & Budget Officer**

Shall be responsible for following:

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

#### **Eligibility Criteria**

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

#### **5.8.2.3 Audit Officer**

Shall be responsible for following functions:

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



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

**Eligibility Criteria**

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

**5.8.2.4 Procurement Officer**

Shall be responsible for following functions:

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

**Eligibility Criteria**

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

**5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER**

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

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

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

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

#### **Eligibility Criteria (Admin Officer)**

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

#### **Eligibility Criteria (Assistant Admin Officer)**

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

#### **5.8.2.6 IT/STATISTICAL OFFICER**

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

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

#### **Eligibility Criteria**

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

#### **5.8.2.7 QUALITY ASSURANCE OFFICER**

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

##### **Eligible Criteria**

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

OR

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

2. Minimum 1 year post degree relevant professional experience.

#### **5.8.2.8 BIO-MEDICAL ENGINEER**

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

##### **Eligible Criteria**

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

#### **5.8.2.9 LOGISTICS OFFICER**

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

### **Eligible Criteria**

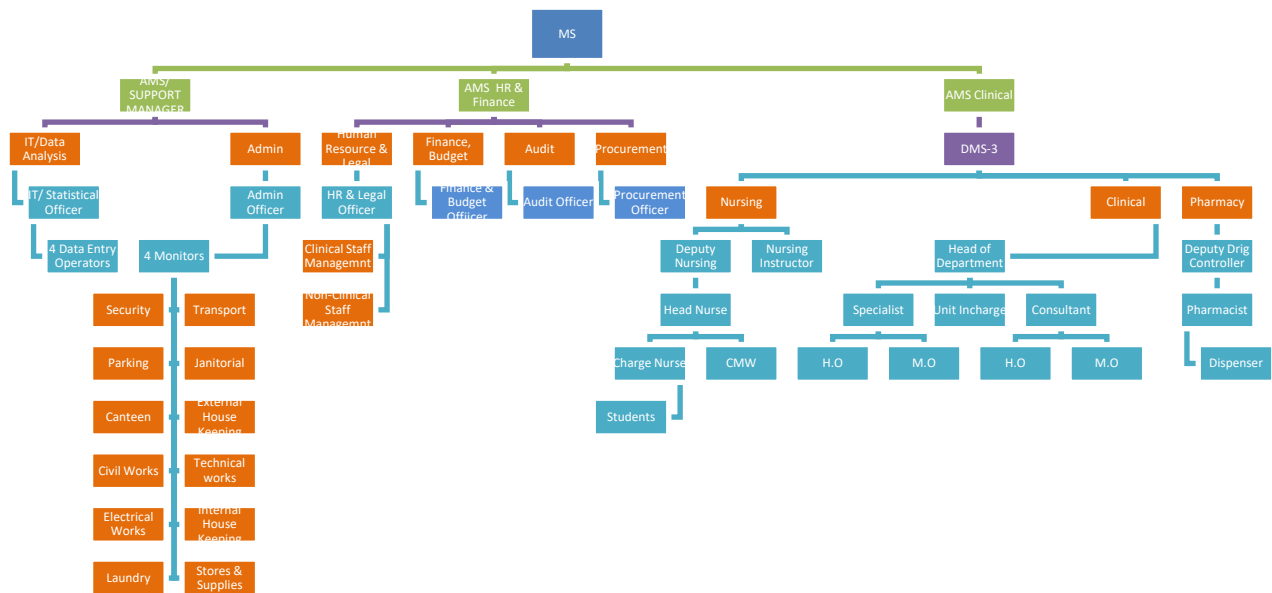
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

#### **5.8.2.10 Data Entry Operators (DEO)**

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

### **Eligible Criteria**

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



### Financial Implications of New Management Model

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

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

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

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

## **5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES**

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

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

## **5.10 PATIENT MANAGEMENT PROTOCOL**

### **5.10.1 EMERGENCY:**

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

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

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

#### **5.10.2 O.P.D:**

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

#### **5.10.3 DEATH OR END OF LIFE MANAGEMENT.**

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



modifications are decided in the relevant department for each patient.

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

#### **5.10.4 INVENTORY CONTROL SYSTEM**

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

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

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

#### **5.10.5 PROJECT MONITORING COMMITTEE**

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

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

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

## **6. DESCRIPTION AND JUSTIFICATION OF PROJECT**

### **6.1 JUSTIFICATION OF PROJECT**

attached

## **6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS**

2. 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 Lodhran is more than 2.000 million. The area of the DHQ Hospital Lodhran is 920188 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..

### **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 60<sup>th</sup> PDWP meeting as under: -

Name of Posts	60 <sup>th</sup> 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 83<sup>rd</sup> 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

PROJECT MANAGEMENT UNIT  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



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:

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 Sheikhpura
- 24 DHQ Hospital T T Singh
- 25 DHQ Hospital Vehari
- 26 THQ Hospital Ahmedpur East District Bhahawalpur
- 27 THQ Hospital Arifwala District Pakpattan
- 28 THQ Hospital Burewala District Vehari
- 29 THQ Hospital Chichawatni District Sahiwal
- 30 THQ Hospital Chistian District Bhahawalnagar
- 31 THQ Hospital Daska District Sialkot
- 32 THQ Hospital Esa Khel District Mianwali
- 33 THQ Hospital Gojra District Toba Tek Singh
- 34 THQ Hospital Hazro District Attock
- 35 THQ Hospital Kamokee District Gujranwala
- 36 THQ Hospital Kot Addu District Muzaffargarh
- 37 THQ Hospital Mian Channu District Khanewal
- 38 THQ Hospital Noorpur Thal District Khushab
- 39 THQ Hospital Shujabad District Multan
- 40 THQ Hospital Taunsa District Dera Ghazi Khan

## **6.2 SECTORAL SPECIFIC INFORMATION**

Social Sectors, Health Department



## 7. CAPITAL COST ESTIMATES

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

**Grant Number:**Development - (PC22036)  
**LO NO:**LO21010535  
**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	31.359	0.000	15.000	0.000	15.000	0.000
Total		0.000	0.000	31.359	0.000	15.000	0.000	15.000	0.000

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010731  
**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	52.805	0.000	35.000	0.000	35.000	0.000
Total		0.000	0.000	52.805	0.000	35.000	0.000	35.000	0.000

# Abstract of Cost

Balance work of Revamping of DHQ Hospital Lodhran							Cost in Million		
Scope of work	Original Cost			Amended Cost			1st Revised Cost		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>									
Internal Development	40.323	0.000	40.323	67.578	0.000	67.578	73.075	0.000	73.075
External Development	32.130	0.000	32.130	20.916	0.000	20.916	45.596	0.000	45.596
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000	4.134	0.000	4.134
<b>Total Capital Component</b>	<b>72.453</b>	<b>0.000</b>	<b>72.453</b>	<b>88.494</b>	<b>0.000</b>	<b>88.494</b>	<b>122.805</b>	<b>0.000</b>	<b>122.805</b>
<b>Revenue component</b>									
Human resource (HR) plan	0.000	25.440	25.440	0.000	25.440	25.440	0.000	52.359	52.359
Electrical Component	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.000	9.000
<b>Total Revenue component</b>	<b>0.000</b>	<b>25.440</b>	<b>25.440</b>	<b>0.000</b>	<b>25.440</b>	<b>25.440</b>	<b>0.000</b>	<b>61.359</b>	<b>61.359</b>
<b>Total</b>	<b>72.453</b>	<b>25.440</b>	<b>97.893</b>	<b>88.494</b>	<b>25.440</b>	<b>113.934</b>	<b>122.805</b>	<b>61.359</b>	<b>184.164</b>
<b>Grand Total</b>	<b>72.453</b>	<b>25.440</b>	<b>97.893</b>	<b>88.494</b>	<b>25.440</b>	<b>113.934</b>	<b>122.805</b>	<b>61.359</b>	<b>184.164</b>

Electricity							
		Original			1st Revised		
Sr. No	Item Description	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
1	200KVA Generator	0	5,500,000	-	1	9,000,000	9,000,000
				-			<b>9,000,000.000</b>
				-			9.00

## Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
AUDIT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
<b>Sub Total of HR Model</b>	<b>17</b>		<b>1,060,000</b>	<b>25,440,000</b>			<b>1,059,000</b>	<b>1,401,000</b>	<b>43,431,000</b>
				<b>25.440</b>					<b>43.431</b>
<b>Utilization of HR Component</b>				<b>8.928</b>					
									<b>52.359</b>

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.

From

**The Chief Engineer,**  
Punjab Buildings Department,  
South Zone, Lahore.

To

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

Memo No.79-Dev/2014/

10

/Dev. Dated 3 .01.2023

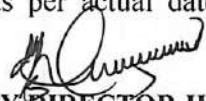
Subject:

**REVISED ROUGH COST ESTIMATE BASED ON DETAILED ESTIMATE**  
**"BALANCE WORK OF ALL DHQ/15-THQ HOSPITALS IN PUNJAB AT**  
**DHQ HOSPITAL DISTRICT LODHRAN" ADP NO.660/2022-23.**

122.805(M) Please find enclosed copy of Revised Rough Cost Estimate amounting to  
Rs.129.085(M) duly vetted by the Chief for arranging Revised Administrative Approval.

The Revised Rough Cost Estimate has been prepared on the basis of rates meant for  
1<sup>st</sup> Bi-annual 2022. The provision of price variation is for estimation purpose only. Concerned  
Executive Engineer shall be responsible for its admissibility as per actual dates of execution,  
quantities and rates applied.

DA/ As Above.

  
**DEPUTY DIRECTOR-II**  
for Chief Engineer, South Zone,  
Punjab Buildings Department, Lahore.


Endst: No.

/Dev, Dated .01.2023.

A copy is forwarded for information to:-

- 1 The Superintending Engineer, Buildings Circle, Multan, for information with reference to his letter No.2784/DB, dated 26.12.20222.
- 2 The Executive Engineer, Buildings Division, Lodhran.
- 3 The Chief Draftsman (Local).

DA/ Nil.

  
**DEPUTY DIRECTOR-II**  
for Chief Engineer, South Zone,  
Punjab Buildings Department, Lahore.

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# PUNJAB BUILDINGS DEPARTMENT



## LODHHRAN

DIVISION

BUILDINGS DIVISION, LODHRAN.

SUB DIVISION

BUILDINGS SUB DIVISION, LODHRAN.

NAME OF WORK

REVISED ROUGH COST ESTIMATE FOR THE  
SCHEME "BALANCE WORK OF REVAMPING  
OF ALL DHQ / 15-THQ HOSPITALS IN PUNJAB  
ONE AT DISTRICT HEAD QUARTER  
HOSPITAL LODHRAN (ADP SCHEME  
NO.1013/2021-22)"

ESTIMATED COST

122.805 (M)  
Rs.129.085 (M)



**REVISED ROUGH COST ESTIMATE (ON DETAILED BASIS) FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER, BUILDINGS DIVISION, LODHRAN FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER HOSPITAL LODHRAN (ADP SCHEME NO. /2022-23)"**

**Reference: -** The Project Manager Civil, PMU, P&SHD Lahore No.PMU(P&SHD/(2022/0576, dated.12-12-2022.

**HISTORY:-**

The scheme was originally administratively approved for amounting to Rs.88.494 (M) Capital by the Secretary to Govt. of the Punjab Primary & Secondary Health Department Lahore No.PO(D-II)Revamping/P-1/21, Dated.31-01-2022. Accordingly estimate sanctioned technically for amounting to Rs.88.830 (M) by the Chief Engineer (South Zone) Punjab Buildings Department Lahore vide letter No.TS/2021-22/1527/Dev, dated. 10-02-2022. The work was awarded to the lowest bidder after full filling all the codal formalities of the department. During the execution of work the Project Manager (Civil) Project Management Unit Primary & Secondary Health Department Lahore requested for provision of additional scope of work in the letter referred above (copy attached). Accordingly the revised rough cost estimate has been framed by incorporating the additional scope of work and detailed price variation.

Keeping in view of above, the revised rough cost estimate amounting to Rs.129.085 (M) has been prepared on the basis of Plinth Area / MRS 1<sup>st</sup> Bi-Annual 2022 is submitted herewith for onward submission to the Chief Engineer (South Zone) Punjab Buildings Department Lahore for arranging the revised administrative approval and funds from the competent authority.

**SCOPE OF WORK:-**

The following provisions have been made in this estimate:-

1.	Renovation (false ceiling, LED ceiling lights, aluminum doors and windows, UPVC doors, Granite Tile, SS Sheets on corners new plaster work where required, E.I. & Sanitary Work, Distempering and painting and complete renovation of bath rooms) etc in main buildings of DHQ Hospital Lodhran.
	i) Renovation of 1 <sup>st</sup> Portion of main Building <ul style="list-style-type: none"> <li>• In Ground Floor renovation of all portion (except work done by IDAP four rooms i.e. ECG Room, Store Room, Blood Bank &amp; Blood Transfusion).</li> <li>• In First Floor renovation of complete right side portion and entrance hall.</li> </ul>
	ii) Renovation of Middle or 2 <sup>nd</sup> Portion of main Building <ul style="list-style-type: none"> <li>• In Ground Floor complete renovation of all portions (except work done by IDAP i.e. three operation theater, two P: Holdup / recovery rooms, two clean lobby, staff rooms, three change rooms, two scrub-up, nursery, gas sterilization, baby wash and one lobby).</li> <li>• In First Floor complete renovation (except work done by IDAP i.e. one male &amp; female toilet block, one psychiatry 7-bed ward, two eye 7-bed ward).</li> </ul>



	iii) Renovation of 3 <sup>rd</sup> Portion of main Building <ul style="list-style-type: none"> <li>In Ground Floor complete renovation of all portions (except work done by IDAP i.e. four single bed with attach bath, one waiting room with bath, one ICU with bath, one laboratory, one packing room, one receiving washing room, one incharge room with 2-baths, one dirty disposal, one auto clave and one lobby).</li> <li>In First Floor complete renovation anti microbial wall paneling, anti microbial flooring and non-porous ceiling (except work done by IDAP i.e. two single bed with attach bath).</li> </ul>	
2.	Provision of Standby 0.5 Cusec Turbine i/c boring lowering, pumping chamber etc	
3.	Provision of Sludge Pump size 5"x4" complete in all respects	
4.	Provision of Internal / External Electric Installation Work and LED Street Light.	
5.	Provision of Panel Boards & Wire Etc	
6.	Provision Internal Sewerage System	
7.	Repair of Roads etc	
8.	Provision of Reverse osmoses water filtration plant	
9.	Provision of 200-KVA Transformer	
10.	Provision of Detailed Price variation	

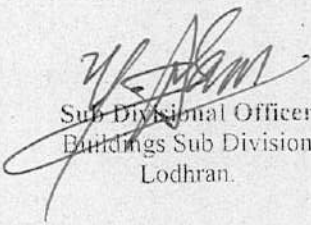
**SPECIFICATION:-**

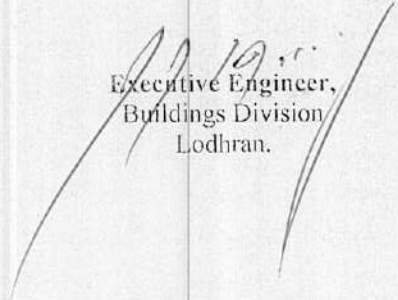
The work will be carried out as per standard / latest approved Buildings Department specifications.

**RATES:-** Rates provided in this revised rough cost estimate are based on Plinth Area /M.R.S 1<sup>st</sup> Bi-Annual 2022 District Lodhran

**AMOUNT:-** The amount of this work is worked out to Rs. 129.085 (M)

**TIME LIMIT:-** It will take about 30-Months to complete the work.

  
Sub-Divisional Officer  
Buildings Sub Division  
Lodhran.

  
Executive Engineer,  
Buildings Division  
Lodhran.



(4)

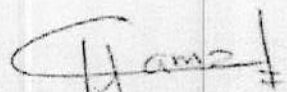
No. PMU/(P&SHD)/2022/0576  
PROJECT MANAGEMENT UNIT  
P&S HEALTHCARE DEPARTMENT  
(31-E/1, Shahrah-e-Hazrat Imam Hussain  
Gulberg-III, Lahore, Ph: 042-99231208)  
Dated: December 12<sup>th</sup>, 2022

To :  
Executive Engineer,  
Buildings Division,  
Lodhran.

**SUBJECT: SUBMISSION OF ACTUAL PRICE VARIATION & REVISED ROUGH COST ESTIMATE OF "BALANCE WORK OF REVAMPING OF ALL DHQ/15-THQ HOSPITAL IN PUNJAB ONE AT DHQ HOSPITAL LODHRAN" ADP NO.1013 2021-2022**

Through yours Good Office a 10% Price Variation Estimate for Balance work of DHQ Hospital Lodhran was received by Hand in the office of the undersigned.

2. In this regard it is stated that please submit Revised Rough Cost Estimate of the subject scheme along with detail working instead of 10% price variation in the light of P&D letter no. 594/AC(Tech)/P&D/2022-23 dated 09-09-2022. It is further stated that the said PC-I is planned to be revised in DDSC which is planned within next week due to revenue component. Hence, it is requested to submit the Revised Estimate of civil work by incorporating actual price variation whether it exceeds 10% or not by 14-12-2022. So that the Revised Approvals could be issued timely.
3. It is further stated that this office received a Revised Rough Cost Estimate for the work "Balance Work of Revamping of All DHQ/15-THQ Hospital in Punjab One at DHQ Hospital Lodhran". In this regard it is informed that please include the items that were not taken in Estimate on which Approval was taken. Same Works/Items were conveyed to Building Department through written Scope by PMU, P&SHD after the detailed visit of PMU, P&SHD.
4. Submitted for further necessary action please.

  
Project Manager Civil  
PMU P&SHD

- C:
1. Project Director, PMU, P&SHD, Lahore.
  2. Deputy Project Director, PMU, P&SHD, Lahore.
  3. Director Infrastructure, PMU, P&SHD, Lahore.
  4. Chief Engineer Buildings, South Zone, Lahore
  5. Superintending Engineer, Building Circle Multan.
  6. Office Copy I&C.



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## MINUTES OF MEETING Communication & Works Department

Meeting Title/Project: **Kick-off Meeting DHQ Lodhran with PMU Team**

Date: **20/07/2022**

Time: **12.00**

Location: **DHQ Hospital Lodhran**

### ATTENDEES

NAME	Designation
Mr. Hamza Naseem	Project Manager (C&W) PMU
Mr. Saad Zulfikar	Consultant (Electrical) PMU
Mr. Nazeer Ahmad	Sub-Divisional Officer (C&W) PMU
Dr. Shoucat Ali Jaz	Medical Superintendent DHQ Hospital Lodhran
Mrs. Waseem Anjum	Admin Officer DHQ Hospital Lodhran

### MINUTES

Sr. #	AGENDA ITEM	Remarks
	<b>Meeting Agenda:</b> <ol style="list-style-type: none"><li>1. Introduction of Teams</li><li>2. Generalized Site Decisions</li><li>3. Specified Instructions Area-wise</li><li>4. Priority of work</li></ol>	
1	<b>1. Introduction:</b> <p>Mr. Hamza Naseem, Project Manager Civil, led the kick-off meeting for THQ Haroonabad. He introduced his team to C&amp;W and from Building Department Mr. Akbar, Sub-Divisional Officer C&amp;W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C &amp; W that any minor electrical work not mentioned in the minutes of meeting and taken in the estimate should not be executed without the written approval from PMU.</p>	
2	<b>2. Generalized Site Decision:</b> <b>2.1 Internal Development (To be Executed in Non-Revamped Areas)</b> <ol style="list-style-type: none"><li>a. Flooring and Skirting/Dado Flooring and dado should be fixed in areas where existing tiles are damaged/ broken.</li><li>b. Paint Paint work should be done in all areas and on all doors. Vinyl emulsion Ash white paint should be used on walls and Matt Enamel Ash white on doors.</li><li>c. Windows All damaged windows should be replaced/ repaired.</li><li>d. Doors All damaged doors should be replaced/ repaired or existing wooden doors should be repainted.</li></ol>	

## MINUTES OF MEETING

### Communication & Works Department

e. **UPVC doors**

All windows (used for patient attendants) should be replaced with UPVC doors.

f. **Seepage Mitigation**

All the areas facing seepage issues need to be assessed to locate the seepage source and necessary action may be taken accordingly.

g. **Water Proofing**

Water Proofing on entire Hospital Clinical building and cleaning all blockages of storm water lines. Water proofing of brick tiles should be proposed to avoid extra load on Hospital Building for its structural stability.

h. **Internal Electrification Works**

All the internal electrical works as internal wiring, cables and LEDs/SMDs Lights need to be carried out according to the requirement. Further, Internal electrical works should be carried out including

- ❖ Wires and Breakers of SMDBs (PSMDBs and LSMDBs) should be replaced as per requirement
- ❖ SMDBs should be connected to Main DBs through concealed wiring and open wiring should be removed
- ❖ New SMDBs should be installed as per requirement

## 2.2 External Development

a. **Sewerage System**

C&W to assess the existing sewerage system and worked accordingly as per requirement.

b. **Water Supply System**

Assessment of existing water supply system and rectification required to be done as per Hospital Requirement.

c. **Water supply system from Filtration Plant**

Moreover, location for Water points/connection for drinking water in hospital building will be provide by hospital administration to C&W and water supply line will lay accordingly.

d. **Roads**

Existing Road conditions need to be re-assessed prior starting execution.

e. **External Electrification Works**

External Electrification works may be carried out including external 4-core cables (concealed) at all following points.

- ❖ Overhead LT lines should be removed and underground cables should be installed.
- ❖ All external cables should be laid underground in trench and should be laid in conduits at road crossings and traffic routes.
- ❖ Outgoing wires of generators should be replaced as per requirement.
- ❖ All extra turnover switches and generator switches should be removed.
- ❖ New ATS Panels should be installed as per requirement inside Electrical Room.

*Chame*



## MINUTES OF MEETING

### Communication & Works Department

- ❖ All open cables going to SMDBs should be removed and replaced with underground cables
- ❖ New MDBs should be installed (One for each transformer) if not already present inside electrical room and wires and breakers of existing MDBs should be replaced as per requirement
- ❖ ATS Panels should be connected to MDBs and MDBs should be connected to SMDBs (PSMDBs and LSMDBs) through underground wiring
- ❖ Minor renovation of Electrical Control Room for installation of Main Distribution Panels and connection of Electrical Supply to Hospital
- ❖ Supply and Installation of Main Panel Board in Electrical Control Room including power factor improvement and voltage regulator complete in all respects
- ❖ Complete Earthing System including Circuit Protective Conductor for the Hospital to be provided as per standards

*Ham*

## MINUTES OF MEETING

### Communication & Works Department

### 3. Specified Instructions Area-wise

The following general decision were taken for DHQ Lodhran

#### 3.1 Internal Development

##### a. OPD

- All doors need to be changed with new wooden doors
- 2 x Public/Attendant washrooms in OPD block not revamped by IDAP needs to be revamped completely by fixing full body porcelain tile on floor and full body porcelain tiles on wall up to height of 7 ft. and replacing all existing accessories with new accessories and new water, sewerage wiring as discussed during site visit
- Stairs leading to first floor in OPD block needs to have Marble fixed on steps and railing to be repainted
- Three doors of Ultrasound room needs to be replaced with solid wooden door
- Door jamb (Chowkat) of X-Ray room needs to be changed
- Three doors in X-Ray room needs to be replaced with solid wooden doors with lead lining
- Windows in main corridor leading from OPD to Emergency block needs to be replaced with Aluminum windows

##### b. Emergency

- Main Entrance door to be replaced with Aluminum door
- Washroom inside Emergency needs to be revamped completely by fixing full body porcelain tiles on floor and wall/dado full body porcelain on wall up to a height of 7 ft. and replacing all water and sewerage connections along with washroom accessories
- Marble to be fixed on steps of stairs in main corridor leading from Emergency block to Indoor Block and railing needs to be painted
- Anti-skid tiles need to be fixed on ramp. All windows on ramp needs to be replaced with Aluminum windows
- Seepage mitigation issues need to be addressed and rectified
- All internal sewerage lines of Emergency needs to be re-laid to ensure structure safety and proper disposal of sewerage in context to seepage issues
- All damaged doors need to be replaced with wooden doors
- All windows need to be replaced with Aluminum windows

##### c. Gyane & Labor Room

- Public/Attendant washrooms inside Gyane Block needs to be revamped completely by fixing full body porcelain on floor and wall/dado full body porcelain tiles on wall up to a height of 7 ft. and replacing all water and sewerage connections along with washroom accessories
- Marble needs to be fixed on steps leading to first floor in Gyane block and repaint on railing
- 2 x doors need to be replaced in Gyane block one for labor room and the other for obstetric room
- 1 x Reception counter to be made at first floor in waiting area of Peads ward with Marble on top and full body porcelain tiles on wall



## MINUTES OF MEETING

### Communication & Works Department

#### d. CCU Ward

- Public Attendant washrooms inside CCU Ward needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain wall/dado tiles up to a height of 7 ft and replacing all water and sewerage connections along with washroom accessories.

#### e. 2 x doors inside CCU ward needs to be replaced with new wooden doors

#### f. OT Block

- Main Entrance door of OT needs to be replaced with swing solid wooden door with half SS plate fixed on it
- 4 x OT's (Ortho OT, Urology OT, Eye OT and General OT) anti-microbial flooring, anti-microbial wall paneling and non-corrosive damp ceiling needs to be done as per the standards shared during visit
- In OT Block all other damaged doors need to be replaced with new wooden doors.
- 1 x Reception counter to be made on first floor at position identified during visit with Marble on top and full body porcelain tiles on walls.

#### g. Indoor Block

- 1 x Public Attendant washrooms in Indoor block not revamped by DAP needs to be revamped completely by fixing full body porcelain tile on floor and full body porcelain tiles on wall up to height of 7 ft and replacing all existing accessories with new accessories and new water sewerage wiring as discussed during site visit.

### 3.2 External Development

- a. External Sewerage line to be changed by properly designing the sewer system and sewerage of Hospital should be separate from that of Residential block.
- b. External water supply lines of Hospital from OHWT to different Clinical blocks of Hospital needs to be retained and to be repaired where damaged with precisely designed dia. PVC/GI pipes.
- c. New bore up to depth of 350 ft needs to be done for low TDS.
- d. Boundary wall only at spots from where it is missing.
- e. New water filtration plant needs to be installed to ensure safe and clean drinking water.

*[Signature]*



## MINUTES OF MEETING Communication & Works Department

### 4. Priority of work


5

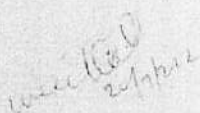
#### 4.1 Priority 1

3.1a, b, c, d, e, f. 3.2 a, b, c, d, e, f.

#### 4.2 Priority 2

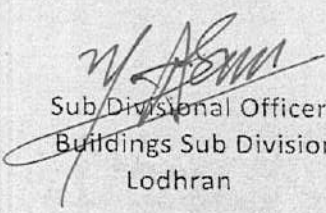
#### 4.3 Priority 3


  
Project Manager (Civil)  
PMU, P & SHD

  
Consultant (Electrical)  
PMU, P & SHD

Admin Officer  
DHQ Hospital Lodhran

Medical Superintendent  
DHQ Hospital Lodhran

  
Sub Divisional Officer  
Buildings Sub Division,  
Lodhran

  
Executive Engineer  
Buildings Division,  
Lodhran

Director Infrastructure  
PMU, P & SHD





GOVERNMENT OF THE PUNJAB  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT  
OFFICE OF THE MEDICAL SUPERINTENDENT  
DISTRICT HEADQUARTER HOSPITAL LODHRAN  
Phone: 0608-362488. Email: dhqlodhran@gmail.com



No. 18741  
To,

/DHQ Hospital

Lodhran

Dated: 27 / 10 / 2021

The Project Director, Project Management Unit (PMU).  
Primary & Secondary Healthcare Department,  
31/E1, Shahrah-e-Imam Hussain Road, Block El Gulberg III, Lahore.

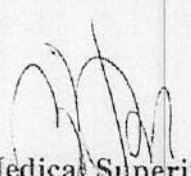
Subject:

**REQUEST FOR PROVISION OF TRANSFORMER (200 KVA) FOR DHQ HOSPITAL LODHRAN.**

With reference to the subject cited above, and as per report from MEP&G Supervisor (Sarmik enterprises pvt. Ltd.) (copy enclosed)

It is stated that a number of biomedical and non-biomedical equipment are installed at DHQ Hospital Lodhran during last financial years resulting in increased electric load. It is pertinent to mention here that due to significance increase in number of electrical equipment/biomedical equipment in past few years multiple incidents of electric surge/low voltage/short circuits were reported at DHQ Hospital Lodhran.

So, it is requested that three (03) 200 KVA transformer may kindly be provided at DHQ Hospital Lodhran to manage excessive load of electricity in Hospital and to avoid any untoward incident in future please.

  
Medical Superintendent  
DHQ Hospital Lodhran

Even No & Date

Copy forwarded to:

1. The project Director (South)PMU Multan.
2. The NMS-PMU Officer of this hospital.
3. Office Copy.

Medical Superintendent  
DHQ Hospital Lodhran



Primary & Secondary  
Healthcare Department

GOVERNMENT OF THE PUNJAB  
Dated Lahore the 09-11-2021

12

ORDER

No. PO(D-II)Revamp/ng/P-I/21: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 29.09.2021, the Governor of the Punjab is pleased to accord Administrative Approval of 12 sub-schemes under block scheme titled "Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab" at cost mentioned against each scheme, with gestation period from 01.07.2021 to 30.06.2023:

Rs. in Millions

Sr. No.	Sub Scheme Title	Approved Cost		
		Capital Component	Revenue Component	Total
1	Balance work of Revamping of DHQ Hospital Khanewal	49.823	25.440	75.263
2	Balance work of Revamping of DHQ Hospital Layyah	43.557	25.440	68.997
3	Balance work of Revamping of DHQ Hospital Rajanpur	49.999	25.440	75.439
4	Balance work of Revamping of DHQ Hospital Mianwali	0.000	25.440	25.440
5	Balance work of Revamping of DHQ Hospital Khushab	40.912	25.440	66.352
6	Balance work of Revamping of THQ Hospital Chishtian, District Bahawalnagar	30.326	17.520	47.846
7	Balance work of Revamping of THQ Hospital Shujabad, District Multan	136.550	17.520	154.070
8	Balance work of Revamping of THQ Hospital Mian Channu	42.160	21.540	63.700
9	Balance work of Revamping of DHQ Hospital Vehari	197.408	27.560	224.968
10	Balance work of Revamping of DHQ Hospital Lodhran	72.453	25.440	97.893
11	Balance work of Revamping of THQ Hospital Burewala, District Vehari	90.722	17.520	108.242
12	Balance work of Revamping of DHQ Hospital Jauzalargarh	143.775	25.440	169.215

The expenditure involved will be debitable under the following heads of account.

Capital Component

Grant No. 12042 - 1 - Government Building 04-Economic Affairs-045 Construction and Transport -0457 Construction (Work) 0457-02 Erection of structure.





Primary & Secondary  
Healthcare Department

GOVERNMENT OF THE PUNJAB  
Dated Lahore the 31-1-2022

**ORDER**

Subject: Revamping (P-I/2021(vol-I)): In supersession of this Department's order of even number as per instructions of Planning & Development Board vide letter No 7(78)/PO(PB)/P&D-2021, dated 17-12-2021, the Governor of the Punjab is pleased to accord intended Administrative Approval of O-I sub-schemes under block scheme titled "Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab" GS No. 1013 of ADP 2021-22 at a cost mentioned against each scheme already approved scope and gestation period upto 30-06-2023.

S. No.	Hospital	Capital Component	Revenue Component	Total Cost
		(Rs. in million)	(Rs. in million)	(Rs. in million)
1	Balance Work of Revamping of DHQ Hospital Layyah	49,084	25,440	74,524
2	Balance Work of Revamping of DHQ Hospital Lodhran	88,491	25,440	113,931
3	Balance Work of Revamping of THQ Hospital Esakhel	39,280	17,520	56,800
4	Balance Work of Revamping of THQ Hospital Taunsa	26,552	17,520	44,072


The expenditure involved will be debitable under the following heads of account

Capital Component

Grant No. 12042 (042) Government Building/4-Economic Affairs/045 Construction and Transport -0457 Construction (Work)/0457-02 Building and structure.

Revenue Component

Grant No. PC-22036 (036) Development -071 Health -073 -Hospital Services-0731-General Hospital Services -073101 General Hospital Services.

  
(IMRAN SIKANDAR BALOCH)  
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

This is forwarded for information and necessary action to the:-

1. Accountant General, Punjab, Lahore
2. Chief (Health-II), Planning & Development Department, Lahore
3. Director General Health Services, Punjab, Lahore
4. Chief Engineer (North, Central, South Zones), Buildings Department, Lahore
5. Project Director, Project Management Unit, P&SH Department
6. District Accounts Officer, Concerned District
7. Chief Executive Officer, District Health Authority, Concerned District
8. Section Officer (Health-I), Finance Department
9. Budget Officer-I & III, Finance Department
10. Asst. Planning Officer, P&SH Department
11. PS to Secretary, P&SH Department
12. PA to Special Secretary (Development), P&SH Department
13. PA to Additional Secretary (Dev. & Fin.), P&SH Department
14. PA to Additional Secretary (Dev. & Coord.), P&SH Department

PLANNING OFFICER (D-II)

Original submitted: 02/26/2019

See Per Amended Recd. Filed 4/29/07

Secretary to Govt. of the Punjab Primary & Secondary Health Department, Lahore H.O. P.O.D. (Revamp) 27-1-72, Dated 02.11.2291.

S. No.	Description of Items	Month and Quantity	As Per Voted Budget Cost Estimate (Month June / JULY 1962 Estimated)					Unit	Amount	As Per Approved Budget Cost Estimate (Month April / APRIL 1962)					Unit	Amount	Difference		Page No.
			APRIL 1962				Total			JULY 1962				Total			Budget	Actual	
			R.P.	P.H.	C.D.	C.D.				R.P.	P.H.	C.D.	C.D.						
1	RENOVATION REPAIRING OF KITCHEN ROOFING	1-JUN	3187765	-	-	-	3187765	P-JOB	Rs 3187765/-	1-JUN	3784755	-	-	3784755	P-JOB	Rs 3784755/-	-	-	Due to expenditure of
2	RENOVATION REPAIRING OF ROOM IN MAIN BUILDING ROOFING	1-JUN	1237764	-	-	-	1237764	P-JOB	Rs 1237764/-	1-JUN	1042328	-	-	1042328	P-JOB	Rs 1042328/-	-	-	Due to expenditure of
3	RENOVATION OF ROOFING TOWER FROM LA CROIXE - LA CROIXE REPAIRING ROOFING IN MAIN BUILDING	1-JUN	4587765	-	-	-	4587765	P-JOB	Rs 4587765/-	1-JUN	5187765	-	-	5187765	P-JOB	Rs 5187765/-	-	-	Due to expenditure of
4	RENOVATION OF REPAIRING REPAIRING REPAIRING REPAIRING REPAIRING	1-JUN	2237765	-	-	-	2237765	P-JOB	Rs 2237765/-	1-JUN	3717765	-	-	3717765	P-JOB	Rs 3717765/-	-	-	Due to expenditure of



[illegible]

Superintending Engineer  
Building Circle Multan

Resubmitting Engineer,  
Auditing Division

Sub Director of Division,  
Bureau of Division,  
Los Angeles

**TECHNICALLY TESTED**

PHS. 38-574

*[Signature]*

Chief Organician

Puerto Rico Dept. Health Service South Zone I, Hrgo.

Puerto Rico Dept. Health Service South Zone I, Hrgo.

"BALANCE WORK OF REVAMPING OF ALL DHO / 15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER HOSPITAL LODHRAN (AOP SCHEME NO.1013/2021-22)"

Description of Items	Plinth Area / Quantity	As Per Amended Rough Cost Estimate (Plinth Area / M.R.S 1st BI Annual 2022)					Unit	Amount	Plinth Area / Quantity	As Per Detailed Estimate (Plinth Area / M.R.S 1st BI Annual 2022)					Unit	Reference		Remarks		
		B.P.	P.H.	E.I.	S.G.	Total				B.P.	P.H.	E.I.	S.G.	Total		Sanding	Excess			
ENOVATION / IMPROVEMENT OF MAIN BUILDING (HOSPITAL)	1 - Job	37847365				37847365	P-Job	Rs 37847365/-	1 - Job	37847365				P-Job	Rs 37847365/-					
ENOVATION / IMPROVEMENT OF WASH ROOM IN MAIN BUILDING (HOSPITAL)	1 - Job	10182529				10182529	P-Job	Rs 10182529/-	1 - Job	10499100				P-Job	Rs 10499100/-			Wash Room done by contractor in original approval.		
REVISION OF STANDBY VERTICAL TURBINE PUMP 0.5 JSEC INSB) MADE LC BORING, LOWERING AND PUMPING HAMBER	1 - Job	5707000				5707000	P-Job	Rs 5707000/-	1 - Job	5707000				P-Job	Rs 5707000/-					
REVISION OF EXTERNAL WATER SUPPLY & SEWERAGE DISPOSAL INSTALLATION SLUDGE PUMP 5"x4" SIZE COMPLETE IN ALL RESPECTS.	1 - Job	3717000				3717000	P-Job	Rs 3717000/-	1 - Job	3717000				P-Job	Rs 3717000/-					
REVISION OF INTERNAL / EXTERNAL ELECTRIC STALLATION WORK AND LED STREET LIGHTS	1 - Job	10245717				10245717	P-Job	Rs 10245717/-	1 - Job	10245717				P-Job	Rs 10245717/-					
REVISION OF PANEL BOARDS & WIRE ETC	1 - Job	9302100				9302100	P-Job	Rs 9302100/-	1 - Job	9302100				P-Job	Rs 9302100/-					
REVISION OF EXTERNAL SEWERAGE SYSTEM	1 - Job	2929400				2929400	P-Job	Rs 2929400/-	1 - Job	2929400				P-Job	Rs 2929400/-					
PAIR OF ROADS, FOOT PATH AND TUFF PAYER	1 - Job	2610700				2610700	P-Job	Rs 2610700/-	1 - Job	2610700				P-Job	Rs 2610700/-					
Total								Rs 62541811/-	Total								Rs 62541811/-	Add 3% Contingency = 1876254.33		
Total								Rs 64270916/-	Total								Rs 64270916/-	Add 3% Contingency = 1928127.48		
Total								Rs 66006569.92/-	Total								Rs 66006569.92/-	Add 3% Contingency = 1980197.09		
Total								Rs 67754182/-	Total								Rs 67754182/-	Add 3% Contingency = 2032426.60		
Total								Rs 69506803.20/-	Total								Rs 69506803.20/-	Add 3% Contingency = 2085191.29		
Total								Rs 71265033.76/-	Total								Rs 71265033.76/-	Add 3% Contingency = 2138395.82		
Total								Rs 73028296.00/-	Total								Rs 73028296.00/-	Add 3% Contingency = 2192048.72		
Total								Rs 74796698.24/-	Total								Rs 74796698.24/-	Add 3% Contingency = 2246159.15		
Total								Rs 76569350.40/-	Total								Rs 76569350.40/-	Add 3% Contingency = 2299727.26		
Total								Rs 78346352.64/-	Total								Rs 78346352.64/-	Add 3% Contingency = 2353752.03		
Total								Rs 80127804.88/-	Total								Rs 80127804.88/-	Add 3% Contingency = 2408134.45		
Total								Rs 81912807.12/-	Total								Rs 81912807.12/-	Add 3% Contingency = 2462874.61		
Total								Rs 83701359.36/-	Total								Rs 83701359.36/-	Add 3% Contingency = 2517973.78		
Total								Rs 85493461.60/-	Total								Rs 85493461.60/-	Add 3% Contingency = 2573431.95		
Total								Rs 87289113.84/-	Total								Rs 87289113.84/-	Add 3% Contingency = 2629249.12		
Total								Rs 89088316.08/-	Total								Rs 89088316.08/-	Add 3% Contingency = 2685425.28		
Total								Rs 90891068.32/-	Total								Rs 90891068.32/-	Add 3% Contingency = 2741960.44		
Total								Rs 92697370.56/-	Total								Rs 92697370.56/-	Add 3% Contingency = 2798854.61		
Total								Rs 94507222.80/-	Total								Rs 94507222.80/-	Add 3% Contingency = 2856107.77		
Total								Rs 96320625.04/-	Total								Rs 96320625.04/-	Add 3% Contingency = 2913729.93		
Total								Rs 98137577.28/-	Total								Rs 98137577.28/-	Add 3% Contingency = 2971721.10		
Total								Rs 99958079.52/-	Total								Rs 99958079.52/-	Add 3% Contingency = 3030091.26		
Total								Rs 101782131.76/-	Total								Rs 101782131.76/-	Add 3% Contingency = 3088830.42		
Total								Rs 103609243.00/-	Total								Rs 103609243.00/-	Add 3% Contingency = 3147938.59		
Total								Rs 105439414.24/-	Total								Rs 105439414.24/-	Add 3% Contingency = 3207415.75		
Total								Rs 107272645.48/-	Total								Rs 107272645.48/-	Add 3% Contingency = 3267261.92		
Total								Rs 109108926.72/-	Total								Rs 109108926.72/-	Add 3% Contingency = 3327477.08		
Total								Rs 110948257.96/-	Total								Rs 110948257.96/-	Add 3% Contingency = 3388061.25		
Total								Rs 112790639.20/-	Total								Rs 112790639.20/-	Add 3% Contingency = 3448923.42		
Total								Rs 114636070.44/-	Total								Rs 114636070.44/-	Add 3% Contingency = 3509954.59		
Total								Rs 116484551.68/-	Total								Rs 116484551.68/-	Add 3% Contingency = 3571264.75		
Total								Rs 118336082.92/-	Total								Rs 118336082.92/-	Add 3% Contingency = 3632853.92		
Total								Rs 120190664.16/-	Total								Rs 120190664.16/-	Add 3% Contingency = 3694722.09		
Total								Rs 122048295.40/-	Total								Rs 122048295.40/-	Add 3% Contingency = 3756869.26		
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Total								Rs 138904076.56/-	Total								Rs 138904076.56/-	Add 3% Contingency = 4328660.79		
Total								Rs 140792147.80/-	Total								Rs 140792147.80/-	Add 3% Contingency = 4393579.96		
Total								Rs 142683259.04/-	Total								Rs 142683259.04/-	Add 3% Contingency = 4458778.13		
Total								Rs 144577410.28/-	Total								Rs 144577410.28/-	Add 3% Contingency = 4524265.30		
Total								Rs 146474601.52/-	Total								Rs 146474601.52/-	Add 3% Contingency = 4589940.47		
Total								Rs 148374832.76/-	Total								Rs 148374832.76/-	Add 3% Contingency = 4655894.64		
Total								Rs 150278104.00/-	Total								Rs 150278104.00/-	Add 3% Contingency = 4722127.81		
Total								Rs 152184415.24/-	Total								Rs 152184415.24/-	Add 3% Contingency = 4788640.98		
Total								Rs 154093766.48/-	Total								Rs 154093766.48/-	Add 3% Contingency = 4855433.15		
Total								Rs 156006157.72/-	Total								Rs 156006157.72/-	Add 3% Contingency = 4922504.32		
Total								Rs 157921588.96/-	Total								Rs 157921588.96/-	Add 3% Contingency = 4989853.49		
Total								Rs 159839960.20/-	Total								Rs 159839960.20/-	Add 3% Contingency = 5057480.66		
Total								Rs 161761271.44/-	Total								Rs 161761271.44/-	Add 3% Contingency = 5125385.83		
Total								Rs 163685522.68/-	Total								Rs 163685522.68/-	Add 3% Contingency = 5193569.00		
Total								Rs 165612713.92/-	Total								Rs 165612713.92/-	Add 3% Contingency = 5262030.17		
Total								Rs 167542845.16/-	Total								Rs 167542845.16/-	Add 3% Contingency = 5330769.34		
Total								Rs 169475916.40/-	Total								Rs 169475916.40/-	Add 3% Contingency = 5400786.51		
Total								Rs 171411927.64/-	Total								Rs 171411927.64/-	Add 3% Contingency = 5471091.68		
Total								Rs 173350878.88/-	Total								Rs 173350878.88/-	Add 3% Contingency = 5541684.85		
Total								Rs 175292770.12/-	Total								Rs 175292770.12/-	Add 3% Contingency = 5612466.02		
Total								Rs 177237601.36/-	Total								Rs 177237601.36/-	Add 3% Contingency = 5683436.19		
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Total								Rs 185046326.32/-	Total								Rs 185046326.32/-	Add 3% Contingency = 5969196.87		
Total								Rs 187005857.56/-	Total								Rs 187005857.56/-	Add 3% Contingency = 6041107.04		
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Total								Rs 190933740.04/-	Total								Rs 190933740.04/-	Add 3% Contingency = 6185690.38		
Total								Rs 192902091.28/-	Total								Rs 192902091.28/-	Add 3% Contingency = 6258362.55		
Total								Rs 194873382.52/-	Total								Rs 194873382.52/-	Add 3% Contingency = 6331322.72		
Total								Rs 196847613.76/-	Total								Rs 196847613.76/-	Add 3% Contingency = 6404470.89		
Total								Rs 198824785.00/-	Total								Rs 198824785.00/-	Add 3% Contingency = 6477806.06		
Total								Rs 200804896.24/-	Total								Rs 200804896.24/-	Add 3% Contingency = 6551329.23		
Total								Rs 202787947.48/-	Total								Rs 202787947.48/-	Add 3% Contingency = 6625050.40		
Total								Rs 204773938.72/-	Total								Rs 204773938.72/-	Add 3% Contingency = 6698969.57		
Total								Rs 206762869.96/-	Total								Rs 206762869.96/-	Add 3% Contingency = 6773076.74		
Total								Rs 208754741.20/-	Total								Rs 208754741.20/-	Add 3% Contingency = 6847371.91		
Total								Rs 210749552.44/-	Total								Rs 210749552.44/-	Add 3% Contingency = 6921855.08		
Total								Rs 212747303.68/-	Total								Rs 212747303.68/-	Add 3% Contingency = 6996526.25		
Total								Rs 214747994.92/-	Total								Rs 214747994.92/-	Add 3% Contingency = 7071385.42		
Total								Rs 216751626.16/-	Total								Rs 216751626.16/-	Add 3% Contingency = 7146432.59		
Total								Rs 218758197.40/-	Total								Rs 218758197.40/-	Add 3% Contingency = 7221667.76		
Total								Rs 220767708.64/-	Total								Rs 220767708.64/-	Add 3% Contingency = 7297090.93		
Total								Rs 222779159.88/-	Total								Rs 222779159.88/-	Add 3% Contingency = 7372702.10		
Total								Rs 224792551.12/-	Total								Rs 224792551.12/-	Add 3% Contingency = 7448491.27		
Total								Rs 226807882.36/-	Total								Rs 226807882.36/-	Add 3% Contingency = 7524468.44		
Total								Rs 228825153.60/-	Total								Rs 228825153.60/-	Add 3% Contingency = 7600733.61		
Total								Rs 230844364.84/-	Total								Rs 230844364.84/-	Add 3% Contingency = 7677186.78		
Total								Rs 232866516.08/-	Total								Rs 232866516.08/-	Add 3% Contingency = 7753827.95		
Total								Rs 234891607.32/-	Total								Rs 234891607.32/-	Add 3% Contingency = 7830658.12		
Total								Rs 236919638.56/-	Total								Rs 236919638.56/-	Add 3% Contingency = 7907677.29		
Total								Rs 238950609.80/-	Total								Rs 238950609.80/-	Add 3% Contingency = 7984884.46		
Total								Rs 240984521.04/-	Total								Rs 240984521.04/-	Add 3% Contingency = 8062279.63		
Total								Rs 243021372.28/-	Total								Rs 243021372.28/-	Add 3% Contingency = 8139862.80		
Total								Rs 245061163.52/-	Total								Rs 245061163.52/-	Add 3% Contingency = 8217633.97		
Total								Rs 247103894.76/-	Total								Rs 247103894.76/-	Add 3% Contingency = 8295584.14		
Total								Rs 249149576.00/-	Total								Rs 249149576.00/-	Add 3% Contingency = 8373723.31		
Total								Rs 251198207.24/-	Total								Rs 251198207.24/-	Add 3% Contingency = 8452050.48		
Total								Rs 253249788.48/-	Total								Rs 253249788.48/-	Add 3% Contingency = 8530565.65		
Total								Rs 255304319.72/-	Total								Rs 255304319.72/-	Add 3% Contingency = 8609268.82		
Total								Rs 257361800.96/-	Total								Rs 257361800.96/-	Add 3% Contingency = 8688160.99		
Total								Rs 259422232.20/-	Total								Rs 259422232.20/-	Add 3% Contingency = 8767242.16		
Total								Rs 261485613.44/-	Total								Rs 261485613.44/-	Add 3% Contingency = 8846503.33		
Total								Rs 263551944.68/-	Total								Rs 263551944.68/-	Add 3% Contingency = 8925943.50		
Total								Rs 265621225.92/-	Total								Rs 265621225.92/-	Add 3% Contingency = 9005572.67		
Total								Rs 267693457.16/-	Total								Rs 267693457.16/-	Add 3% Contingency = 9085390.84		
Total								Rs 269768638.40/-	Total								Rs 269768638.40/-	Add 3% Contingency = 9165397.01		
Total								Rs 271846769.64/-	Total								Rs 271846769.64/-	Add 3% Contingency = 9245591.18		
Total								Rs 273927840.88/-	Total								Rs 273927840.88/-	Add 3% Contingency = 9325973.35		
Total								Rs 276011852.12/-	Total								Rs 276011852.12/-	Add 3% Contingency = 9406543.52		
Total								Rs 278108803.36/-	Total								Rs 278108803.36/-	Add 3% Contingency = 9487292.69		
Total								Rs 280208694.60/-	Total								Rs 280208694.60/-	Add 3% Contingency = 9568220.86		
Total								Rs 282311525.84/-	Total								Rs 282311525.84/-	Add 3% Contingency = 9649337.03		
Total								Rs 284417297.08/-	Total								Rs 284417297.08/-	Add 3% Contingency = 9730542.20		
Total								Rs 286526008.32/-	Total								Rs 286526008.32/-	Add 3% Cont		



Plinth Area / Quantity	Plinth Area / M.F.S 1st El Annual 2022				Unit	Amount	Plinth Area / Quantity	As Per Detailed Estimate (Plinth Area / M.F.S 1st El Annual 2022)				Unit	Amount	Difference		Remarks
	B.P.	P.H.	E.I.	S.G.				B.P.	P.H.	E.I.	S.G.			Saving	Excess	

Rs 88,494 (M) ✓  
Rs 88,830 (M) ✓  
Rs 0.336 (M) ✓

As Per Amended Approved Rough Cost Estimate Rs 88,494 (M) ✓

As Per Detailed Estimate Rs 88,830 (M) ✓

Difference Rs 0.336 (M) ✓

Or 0.38% ✓  
Excess

Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

Executive Engineer,  
Buildings Division,  
Lodhran

Superintending Engineer  
Building Circle Multan

SANCTIONED TECHNICALLY

For Rs. 88,830 (M)

Rupess Eighty eight point eight three

200 million only.

No 22 For the Year 21-22

Dated 10.2.22

Chief Engineer  
Buildings Division  
Lodhran

REVISED ABSTRACT OF COST

BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THO HOSPITAL IN PUNJAB ONE AT DHQ HOSPITAL LODHRAN

Name of work

1 Administrative approval.

Rs. 88,494 (M)

Secretary Govt. of the Punjab P&SHC Department, Lahore No.P.O(D-II)Revamping /P-1/21(Vol-I), dated 31.01.2022.

i) Amended

Revised Rough Cost Estimate

Rs. 129,085 (M)

122-805(M)

Sr. No.	Description of Items	As per Approved Rough Cost Estimate				As per work allotted				As per work yet to be allotted				Difference			Remarks	
		Plinth Area / Quantity	Rate	Unit	Amount (A)	Plinth Area / Quantity	Rate	Unit	Amount (B)	Plinth Area / Quantity	Rate	Unit	Amount (C)	Total amount (B)+ C)	Saving	Excess		
1	2	3	4	5	6	3	4	5	6	7	8	9	10	11	12	13		
1	Renovation / Improvement of Main Buildings (Hospital)	1 Job	37847365	P-Job	Rs.37847365/-	1 Job	37847365	P-Job	Rs.37847365/-	1 Job	13746900	P-Job	Rs.13746900/-	Rs.51594300/-		Rs.13746900/-	Excess due to actual site measurement & as desired by PMU	
2	Renovation / Improvement of Wash Room in Main Buildings (Hospital)	1 Job	10182529	P-Job	Rs.10182529/-	1 Job	10499100	P-Job	Rs.10182529/-	1 Job	4499171	P-Job	Rs.4499171/-	Rs.14681700/-		Rs.4499171/-	Excess due to actual site measurement & as desired by PMU	
3	Provision of Standby Vertical Turbine Pump 0.5 Cusec (KSB) made 1/C Boring, Lowering and Pumping Chamber	1 Job	5707000	P-Job	Rs.5707000/-	1 Job	5707000	P-Job	Rs.5707000/-	1 Job	293700	P-Job	Rs.293700/-	Rs.6000700/-		Rs.293700/-	Excess due to actual site measurement & as desired by PMU	
4	Provision of External Water Supply System & Sewerage Disposal Installation Sludge Pump 5" x 4" Size Complete in all	1 Job	3717000	P-Job	Rs.3717000/-	1 Job	3717000	P-Job	Rs.3717000/-	1 Job	-939000	P-Job	-Rs.939000/-	Rs.2778000/-		-Rs.939000/-	Saving due to actual site measurement & as desired by PMU	
5	Provision of Internal / External Electric Installation work and Led Lights	1 Job	10245717	P-Job	Rs.10245717/-	1 Job	10245717	P-Job	Rs.10245717/-	1 Job	2477640	P-Job	Rs.2477640/-	Rs.12723357/- 6798600/-		-347117	-Rs.2477640/-	Excess due to actual site measurement & as desired by PMU
6	Provision of Panel Boards & Wire Etc.	1 Job	9302100	P-Job	Rs.9302100/-	1 Job	9302100	P-Job	Rs.9302100/-	1 Job	3738771	P-Job	Rs.3738771/-	Rs.13040871/-			Rs.3738771/-	Excess due to actual site measurement & as desired by PMU
7	Provision of External Sewerage System	1 Job	2929400	P-Job	Rs.2929400/-	1 Job	2929400	P-Job	Rs.2929400/-	1 Job	995300	P-Job	Rs.995300/-	Rs.3924700/-			Rs.995300/-	Excess due to actual site measurement & as desired by PMU
8	Repair of Roads, Foot Path and Tuff Pavcer.	1 Job	2610700	P-Job	Rs.2610700/-	1 Job	2610700	P-Job	Rs.2610700/-	1 Job	1112500	P-Job	Rs.1112500/-	Rs.3723200/-			Rs.1112500/-	Excess due to actual site measurement & as desired by PMU
9	Provision of Reverse Osmosis Water Filtration Plant	Job		P-Job		Job		P-Job		1 Job	4134200	P-Job	Rs.4134200/-	Rs.4134200/-			Rs.4134200/-	New scope provided by PMU
Total					Rs.82541811/-				Rs.82541811/-				Rs.30059182/-	Rs.11179271		-Rs.939000/-	Rs.30998182/-	
Add Price Variation													Rs.4503000/-	Rs.4503000/-				
Total					Rs.82541811/-				Rs.82541811/-				Rs.34562182/-	Rs.11179271				
Add 05 % Tax as per PRA					Rs.4127091/-				Rs.4127091/-				Rs.1728109/-	Rs.5558964				
Total					Rs.86668902/-				Rs.86668902/-				Rs.36290291/-	Rs.116758235				
Add 01% Horticulture Charges					Rs.825418/-				Rs.825418/-				Rs.300592/-	Rs.1066763				
Total					Rs.87494320/-				Rs.87494320/-				Rs.36590883/-	Rs.117804998				
Add Wapda Connection Charges					Rs.1000000/-				Rs.1000000/-				Rs.4000000/-	Rs.5000000/-				
Grand Total					Rs.88494320/-				Rs.88494320/-				Rs.40590883/-	Rs.129085240/-				



# REVISED ABSTRACT OF COST

## BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITAL IN PUNJAB ONE AT DHQ

Administrative approval.

i) Amended

Rs. 88.494 (M)

Secretary Govt. of the Punjab P&SHC Department, Lahore No. PO(D-II) Revamping / (P-1/21) (Vol-I), dated 31.01.2022.

Rs. 429.085 (M)

Revised Rough Cost Estimate

122.805 (M)

Description of Items	(A)			(B)			Difference		Remarks
	Plinth Area / Quantity	Rate	Unit	Amount (A)	Plinth Area / Quantity	Rate	Unit	Amount (B)	
2	3	4	5	6	7	8	9	10	11
Renovation / Improvement of Main Buildings (Hospital)	1 Job	37847365	P-Job	Rs.37847365/-	1 Job	51594300	P-Job	Rs.51594300/-	Rs.13746935/-
Renovation / Improvement of Wash Room in Main Buildings (Hospital)	1 Job	10182529	P-Job	Rs.10182529/-	1 Job	14681700	P-Job	Rs.14681700/-	Rs.4499171/-
Provision of Standby Vertical Turbine Pump 0.5 Cusec (KSB) made I/C Boring, Lowering and Pumping Chamber	1 Job	5707000	P-Job	Rs.5707000/-	1 Job	6000700	P-Job	Rs.6000700/-	Rs.293700/-
Provision of External Water Supply System & Sewage Disposal Installation Sludge Pump 5" x 4" Size Complete in all respect.	1 Job	3717000	P-Job	Rs.3717000/-	1 Job	2778000	P-Job	Rs.2778000/-	Rs.939000/-
Provision of Internal / External Electric Installation work and Led Lights	1 Job	10245717	P-Job	Rs.10245717/-	1 Job	12723357	P-Job	Rs.12723357/-	Rs.2477640/-
Provision of Panel Boards & Wire Etc.	1 Job	9302100	P-Job	Rs.9302100/-	1 Job	13040871	P-Job	Rs.13040871/-	Rs.3738771/-
Provision of External Sewerage System	1 Job	2929400	P-Job	Rs.2929400/-	1 Job	3924700	P-Job	Rs.3924700/-	Rs.995300/-
Repair of Roads, Foot Path and Tuff Pavement.	1 Job	2610760	P-Job	Rs.2610760/-	1 Job	3723200	P-Job	Rs.3723200/-	Rs.1112500/-
Provision of Reverse Osmosis Water Filtration Plant	1 Job		P-Job		1 Job	4134200	P-Job	Rs.4134200/-	Rs.4134200/-
Total				Rs.82541811/-				Rs.123601028/-	Rs.30998217/-
Add Price Variation								Rs.4503000/-	Rs.4503000/-
Total				Rs.82541811/-				Rs.127104028/-	Rs.35501217/-
Add 05 % Tax as per PFA				Rs.4127091/-				Rs.5855201/-	Rs.1728110/-
Total				Rs.86668902/-				Rs.129959229/-	Rs.37229327/-
Add 01% Horticulture Charges				Rs.825418/-				Rs.116738235/-	Rs.300592/-
Total				Rs.87494320/-				Rs.122601064/-	Rs.37529919/-
Add Wapda Connection Charges				Rs.1000000/-				Rs.194085239/-	Rs.4000000/-
Total				Rs.88494320/-				Rs.124585239/-	Rs.41529919/-

Total

Rs.82541811/-

Rs.123601028/-

Rs.30998217/-

Add Price Variation

Rs.4503000/-

Rs.4503000/-

Rs.4503000/-

Total

Rs.82541811/-

Rs.127104028/-

Rs.35501217/-

Add 05 % Tax as per PFA

Rs.4127091/-

Rs.5855201/-

Rs.1728110/-

Total

Rs.86668902/-

Rs.129959229/-

Rs.37229327/-

Add 01% Horticulture Charges

Rs.825418/-

Rs.116738235/-

Rs.300592/-

Total

Rs.87494320/-

Rs.122601064/-

Rs.37529919/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

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Add Wapda Connection Charges

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Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

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122.805 (M)

Grand Total

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122.805 (M)

Grand Total

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Add Wapda Connection Charges

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122.805 (M)

Grand Total

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Add Wapda Connection Charges

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122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

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Rs.4000000/-

Total

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Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total

Rs.88494320/-

Add Wapda Connection Charges

Rs.1000000/-

Rs.194085239/-

Rs.4000000/-

Total

Rs.88494320/-

Rs.124585239/-

Rs.41529919/-

122.805 (M)

Grand Total



(50)

**DETAILED ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL  
DHQ/15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
HOSPITAL LODHRAN (ADP SCHEME NO.1013/2021-22)**

As Per MRS 1st Bi-Annual 2022 (1st January, 2022 to 30th June, 2022)

GENERAL ABSTRACT OF COST

1	Renovation of Main Building	1 -Job @	Rs.51594300/-	P Job	Rs.51594300/-
2	Renovation of Wash Rooms	1 -Job @	Rs.14681700/-	P Job	Rs.14681700/-
3	Provision of Stand By Vertical Turbine 0.5 Cusec i/c Boring, Lowering and Pumping Chamber.	1 -Job @	Rs.6000700/-	P Job	Rs.6000700/-
4	Provision of External Water Supply & Sewerage Disposal Installation Sludge Pump 5"x4" Size complete in all respects.	1 -Job @	Rs.2778000/-	P Job	Rs.2778000/-
5	Provision of Interanal Installation Work and LED Street Lights.	1 -Job @	Rs.12723357/-	P Job	Rs.12723357/-
6	Provision of Panel Boards and Wire Etc.	1 -Job @	Rs.13040871/-	P Job	Rs.13040871/-
7	Provision of External Sewerage System	1 -Job @	Rs.3924700/-	P Job	Rs.3924700/-
8	Repair of Roads, Foot Path and Tuff Paver.	1 -Job @	Rs.3723200/-	P Job	Rs.3723200/-
9	Provision of Reverse Omosis Water Filtration Plant	1 -Job @	Rs.4134200/-	P Job	Rs.4134200/-

Total Rs.112601028/-



Add Price Variation Rs.4503000/-

Total Rs.117104028/-

Add 05% P.R.A Rs.5855201/-

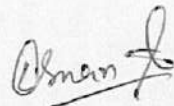
Add 01% Horticultural Rs.1126010/-

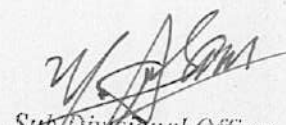
Add WAPDA Charges Rs.5000000/-

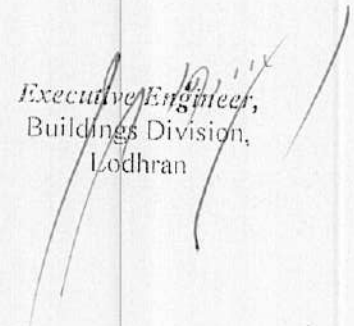
Total Rs.129085239/-

Say Rs.129085200/-

Or Rs.129.085 (M)

  
Sub Engineer

  
Sub-Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

(22)

DETAILED ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF  
ALL DHQ/15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
HOSPITAL LODHRAN (ADP SCHEME NO.1013/2021-22)"

As Per MRS 1st Bi-Annual 2022 (1st January, 2022 to 30th June, 2022)

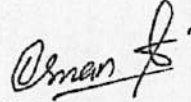
ABSTRACT OF COST (MAIN BUILDING)


1	Renovation of Main Building	1 -Job	@	Rs.29874600/-	P Job	Rs.29874600/-
2	Provision of Additional Items	1 -Job	@	Rs.21719700/-	P Job	Rs.21719700/-

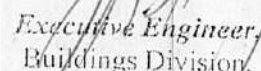
(i)

Total Rs.51594300/-

Say Rs.51594300/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

**DETAILED ESTIMATE FOR THE WORK RENOVATION / ADDITION / ALTERATION OF MAIN BUILDING  
(HOSPITAL).**

1 Removing door with chowkat.									
1st Portion (OPD, DIAGNOSTIC, ADMIN)									
Ground Floor (OPD Block)									
Ground Floor (X-RAY Block)									
First Floor (Admin Block)									
Middle Portion									
Ground Floor(Emergency Block)									
Gyne Block									
First Floor (Chest Block)									
Peeds Block									
Third Portion									
Ground Floor (Medical Block)									
ICU Block									
First Floor (Surgical Block)									
OT Block									
Dental Block									
Corridor & Dispensary									
Total									
@									
362.35 Each									
Rs.50729/-									
2 Removing windows and sky lights with chowkat.									
1st Portion (OPD, DIAGNOSTIC, ADMIN)									
Ground Floor (OPD Block)									
Ground Floor (X-RAY Block)									
First Floor (Admin Block)									
Middle Portion									
Ground Floor(Emergency Block)									
Gyne Block									
First Floor (Chest Block)									
Peeds Block									
Third Portion									
Ground Floor (Medical Block)									
ICU Block									
First Floor (Surgical Block)									
OT Block									
Dental Block									
Corridor & Dispensary									
Total									
@									
283.15 Each									
Rs.99669/-									
3 Scraping:-									
a) Ordinary distemper, oil bound distemper, or paint of wall.									
1st Portion									
Ground Floor Left side									
Ent Hall to Dispencery									
M.O. Room									
Physician									
Neru Surgen									
Waiting Hall									
M.O. Room									
Lobby									
Toilet									
M.O. Room									
Orthopedic									
Corridor									
Ground Floor Right side									
Lab									
Pathalogist									
Wailing Area									
Corridor									
Toilet									
Lobby									
Dark Room									
Radiology									



X-Ray Rooms	2	x	2	x	23-1/4	+	17-1/4	1x	11-1/2	1863 Sft
<b>First Floor Right Side</b>										
Ent Hall	1	x	2	x	32 1/4	+	72	1x	7	1460 Sft
Corridor	1	x	2	x	11-1/4	+	120	1x	7	1838 Sft
Waiting Hall	2	x	2	x	12	+	17	1x	7	812 Sft
DMS Room	1	x	2	x	12	+	17	1x	11-1/2	667 Sft
Reception	1	x	2	x	12	+	7	1x	7	266 Sft
Steno	1	x	2	x	12	+	10	1x	11-1/2	506 Sft
Lobby	1	x	2	x	5	+	12	1x	7	238 Sft
Kitchen	1	x	2	x	7	+	11	1x	7	252 Sft
M.S. Room	1	x	2	x	18	+	17-1/4	1x	11-1/2	811 Sft
Committee	1	x	2	x	32	+	17-1/4	1x	11-1/2	1133 Sft
Medicine Store	1	x	2	x	17-1/4	+	17-1/4	1x	11-1/2	794 Sft
Admin Staff	1	x	2	x	23-1/2	+	17	1x	11-1/2	932 Sft
Lobby	2	x	2	x	15	+	5	1x	7	560 Sft
Toilet	2	x	2	x	11	+	17-1/2	1x	5	570 Sft
Admin Office	2	x	2	x	11	+	18	1x	11-1/2	1334 Sft
General Store	1	x	2	x	23-1/2	+	17	1x	11-1/2	932 Sft
<b>Middle Portion</b>										
<b>Ground Floor Left side</b>										
Gallery Adj To Ramp	1	x	2	x	111	+	16-1/2	1x	7	1785 Sft
Gallery Adj To Disp	1	x	2	x	27	+	11	1x	7	532 Sft
Dispensary	1	x	2	x	21	+	25	1x	7	644 Sft
Washing / Packing	2	x	2	x	21	+	10	1x	11-1/2	1426 Sft
Store	1	x	2	x	15	+	10	1x	11-1/2	575 Sft
Auto Clave	1	x	2	x	12	+	21	1x	11-1/2	759 Sft
Doctor Room / Surgen	2	x	2	x	16	+	10	1x	11-1/2	1196 Sft
Change Room	2	x	2	x	10	+	13	1x	11-1/2	1058 Sft
Plaster Room	1	x	2	x	10	+	22	1x	11-1/2	736 Sft
X-Ray Room	1	x	2	x	13	+	13-1/2	1x	11-1/2	610 Sft
Dark / Film	2	x	2	x	7	+	7	1x	11-1/2	644 Sft
Dressing / M & F	2	x	2	x	9	+	13	1x	11-1/2	1012 Sft
Ent Hall Emergency	1	x	2	x	40-1/4	+	38	1x	7	1096 Sft
Examination	1	x	2	x	19	+	15	1x	11-1/2	782 Sft
Lobby Near Dressing	1	x	2	x	38	+	8	1x	7	644 Sft
Emergency Ward	1	x	2	x	32	+	22	1x	7	756 Sft
Toilet	2	x	2	x	11	+	15	1x	5	520 Sft
<b>Ground Floor Right side</b>										
Delivery	1	x	2	x	19	+	21	1x	7	560 Sft
Labour Ward	1	x	2	x	33	+	21	1x	7	756 Sft
Lobby	1	x	2	x	24	+	21	1x	7	630 Sft
M.O. Room	1	x	2	x	16	+	10	1x	11-1/2	598 Sft
N.S.	1	x	2	x	12	+	10	1x	11-1/2	506 Sft
Hall	1	x	2	x	33	+	32	1x	7	910 Sft
Gyne	1	x	2	x	16	+	16	1x	7	448 Sft
Staff	2	x	2	x	16	+	11	1x	11-1/2	1242 Sft
Toilet	2	x	2	x	10	+	11	1x	5	420 Sft
Corridor	1	x	2	x	10-1/4	+	190	1x	7	2804 Sft
Ent Back Hall	1	x	2	x	55	+	20	1x	7	1050 Sft
Reception	1	x	2	x	16	+	11	1x	7	378 Sft
<b>First Floor Left side</b>										
Dental Room	1	x	2	x	21-1/4	+	10-1/4	1x	11-1/2	725 Sft
Dental Operator	1	x	2	x	21-1/4	+	21-1/4	1x	7	595 Sft
Prayer Hall	1	x	2	x	21-1/4	+	21-1/4	1x	7	595 Sft
Bed	3	x	2	x	10	+	22	1x	11-1/2	2208 Sft
ENT Ward M & F	2	x	2	x	22	+	21	1x	7	1204 Sft
Store	1	x	2	x	10-1/4	+	10-1/4	1x	11-1/2	472 Sft
Back Hall	1	x	2	x	50	+	60	1x	7	1540 Sft
Doctor Room	1	x	2	x	19	+	10	1x	11-1/2	667 Sft
Neru Ward	1	x	2	x	26	+	22	1x	7	672 Sft
Ramp Gallery	1	x	2	x	50	+	10	1x	7	840 Sft
Treatment	1	x	2	x	15	+	11	1x	11-1/2	598 Sft
Corridor	1	x	2	x	10-1/4	+	80	1x	7	1264 Sft
Gallery Adj Ramp	1	x	2	x	77	+	20	1x	7	1358 Sft
Gallery Prayer Hall	1	x	2	x	66	+	11	1x	7	1078 Sft
<b>First Floor Right side</b>										
Bed	3	x	2	x	10-1/4	+	22	1x	11-1/2	2225 Sft
Gyne (7-Bed)	2	x	2	x	27	+	21	1x	7	1344 Sft
Toilet	2	x	2	x	11	+	22	1x	5	660 Sft
Gyne (6-Bed)	1	x	2	x	19	+	32	1x	7	714 Sft
Gyne (5-Bed)	1	x	2	x	19	+	21	1x	7	560 Sft
Treatment	2	x	2	x	19	+	10	1x	11-1/2	1334 Sft
Peads Ward	2	x	2	x	26	+	21	1x	7	1316 Sft
Doctor Room	1	x	2	x	16	+	10	1x	11-1/2	598 Sft
Back Hall	1	x	2	x	50	+	60	1x	7	1540 Sft
Ent Back Hall	1	x	2	x	55	+	20	1x	7	1050 Sft

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Stair Hall	1	x	2	x	12	+	14	)x	24	1248 Sft
<b>Third Portion</b>										
<b>Ground Floor Left side</b>										
Ent Hall	1	x	2	x	32	+	44	)x	7	1064 Sft
Medical Ward (5-Bed)	4	x	2	x	21-1/4	+	21-1/4	)x	7	2380 Sft
Neru Station	2	x	2	x	10	+	11	)x	11-1/2	966 Sft
Doctor Room	2	x	2	x	10	+	22	)x	11-1/2	1472 Sft
Patient Toilet	2	x	2	x	11	+	22	)x	11-1/2	1518 Sft
Corridor	1	x	2	x	10-1/4	+	120	)x	7	1824 Sft
<b>Ground Floor Right side</b>										
Surgen Room	3	x	2	x	10	+	22	)x	11-1/2	2208 Sft
Patient Holdup	1	x	2	x	22	+	21	)x	7	602 Sft
Toilet	2	x	2	x	5	+	6	)x	5	220 Sft
Workshop	1	x	2	x	22	+	21	)x	7	602 Sft
Inclerator Room	1	x	2	x	10	+	16	)x	11-1/2	598 Sft
Corridor	1	x	2	x	10-1/4	+	100	)x	7	1544 Sft
<b>First Floor Left side</b>										
Ortho ward	2	x	2	x	21	+	22	)x	7	1204 Sft
General Surgery	2	x	2	x	21	+	22	)x	7	1204 Sft
Treatment	2	x	2	x	10	+	22	)x	11-1/2	1472 Sft
Toilet	2	x	2	x	10	+	22	)x	11-1/2	1472 Sft
Single Bed	2	x	2	x	10	+	15	)x	11-1/2	1150 Sft
Lobby	2	x	2	x	18	+	7	)x	11-1/2	1150 Sft
Staff Lounge	2	x	2	x	15	+	22	)x	7	1036 Sft
<b>First Floor Right side</b>										
Bed Lift	4	x	2	x	9	+	11	)x	11-1/2	1840 Sft
Store	2	x	2	x	11	+	15	)x	11-1/2	1196 Sft
Clean Lobby	1	x	2	x	20	+	50	)x	7	980 Sft
Corridor	1	x	2	x	10-1/4	+	60	)x	11-1/2	1616 Sft
Nursing Station	2	x	2	x	12	+	10-1/2	)x	7	630 Sft
Ent Hall	1	x	2	x	32	+	40	)x	7	1008 Sft
Doctor Change	2	x	2	x	11	+	10	)x	11-1/2	966 Sft

**Total 119669 Sft**

**Deductions**

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

W-2	18	x	2	x	5	180 Sft
W-5	2	x	5	x	5	50 Sft
W-6	13	x	6	x	5	390 Sft
C.W-1	6	x	2	x	2	24 Sft
C.W-2	10	x	3	x	2	60 Sft
Door	10	x	3-1/2	x	7	245 Sft
	1	x	6	x	7	42 Sft
Bath Door	20	x	2-1/2	x	7	350 Sft

**Ground Floor (X-RAY Block)**

W-6	10	x	6	x	5	300 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft
Doors	1	x	3-1/2	x	7	25 Sft
D-1	7	x	3-1/2	x	7	172 Sft
D-2	3	x	5	x	7	105 Sft
Bath Door	10	x	2-1/2	x	7	175 Sft
	2	x	3	x	7	42 Sft

**First Floor (Admin Block)**

W-6	14	x	6	x	5	420 Sft
W-2	14	x	2	x	5	140 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	10	x	3	x	2	60 Sft
Doors	1	x	10	x	11	110 Sft
D-1	9	x	3 1/2	x	7	221 Sft
D-2	2	x	5	x	7	70 Sft
Bath Door	11	x	2-1/2	x	7	193 Sft
	3	x	3	x	7	63 Sft

**Middle Portion**

**Ground Floor (Emergency Block)**

W-6	4	x	6	x	5	120 Sft
W-2	11	x	2	x	5	110 Sft
W-4	3	x	4	x	5	60 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	4	x	3	x	2	24 Sft
Doors	1	x	8	x	7	56 Sft
D-1	10	x	3-1/2	x	7	245 Sft



D-2	2	x	5	x	7	70 Sft
Bath Door	12	x	2-1/2	x	7	210 Sft
	2	x	3	x	7	42 Sft
<b>Gyne Block</b>						
W-6	4	x	6	x	5	120 Sft
W-2	12	x	2	x	5	120 Sft
W-4	3	x	4	x	5	60 Sft
W-5	1	x	5	x	5	25 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	5	x	2	x	2	20 Sft
C.W-2	2	x	3	x	2	12 Sft
Doors	2	x	3	x	7	42 Sft
D-1	5	x	3-1/2	x	7	123 Sft
D-2	3	x	5	x	7	105 Sft
D-3	2	x	3	x	7	42 Sft
Bath Door	8	x	2-1/2	x	7	140 Sft
	1	x	3	x	7	21 Sft
<b>First Floor (Chest Block)</b>						
W-2	7	x	2	x	5	70 Sft
W-4	7	x	4	x	5	140 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	4	x	3	x	2	24 Sft
Doors	3	x	4	x	7	84 Sft
D-1	8	x	3-1/2	x	7	196 Sft
D-2	3	x	5	x	7	105 Sft
Bath Door	8	x	2-1/2	x	7	140 Sft
	1	x	3	x	7	21 Sft
<b>Peeds Block</b>						
W-6	7	x	6	x	5	210 Sft
W-2	12	x	2	x	5	120 Sft
W-4	8	x	4	x	5	160 Sft
W-4A	3	x	4	x	3	36 Sft
W-5	3	x	5	x	5	75 Sft
W-8	2	x	8	x	5	80 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	7	x	3	x	2	42 Sft
Doors	4	x	4	x	7	112 Sft
D-1	6	x	3-1/2	x	7	147 Sft
D-2	6	x	5	x	7	210 Sft
D-3	1	x	3	x	7	21 Sft
Bath Door	15	x	2-1/2	x	7	263 Sft
	2	x	3	x	7	42 Sft
<b>Third Portion</b>						
<b>Ground Floor (Medical Block)</b>						
W-6	8	x	6	x	5	240 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	5	x	4	x	3	60 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft
Doors	2	x	4	x	7	56 Sft
D-1	5	x	3-1/2	x	7	123 Sft
D-2	4	x	5	x	7	140 Sft
D-3	1	x	3	x	7	21 Sft
Bath Door	9	x	2-1/2	x	7	158 Sft
	2	x	3	x	7	42 Sft
<b>ICU Block</b>						
W-6	6	x	6	x	5	180 Sft
W-2	3	x	2	x	5	30 Sft
W-4A	4	x	4	x	3	48 Sft
C.W-2	3	x	3	x	2	18 Sft
D-1	6	x	3-1/2	x	7	147 Sft
D-2	2	x	5	x	7	70 Sft
Bath Door	2	x	2-1/2	x	7	35 Sft
	1	x	3	x	7	21 Sft
<b>First Floor (Surgical Block)</b>						
W-6	7	x	6	x	5	210 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	4	x	4	x	3	48 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-2	4	x	3	x	2	24 Sft
Doors	2	x	4	x	7	56 Sft
D-1	5	x	3-1/2	x	7	123 Sft
D-2	4	x	5	x	7	140 Sft

D-3	1	x	3	x	7	21 Sft
Bath Door	11	x	2-1/2	x	7	193 Sft
	2	x	3	x	7	42 Sft
OT Block						
W-6	16	x	6	x	5	480 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
W-8	1	x	8	x	5	40 Sft
W-8A	3	x	8	x	3	72 Sft
C.W-2	2	x	3	x	2	12 Sft
Doors	1	x	5	x	7	35 Sft
	2	x	3-1/2	x	7	49 Sft
D-1	6	x	3-1/2	x	7	147 Sft
D-2	5	x	5	x	7	175 Sft
D-3	4	x	3	x	7	84 Sft
D-4	2	x	2-1/2	x	7	35 Sft
Bath Door	2	x	3	x	7	42 Sft
Dental Block						
W-6	7	x	6	x	5	210 Sft
W-3	1	x	3	x	5	15 Sft
Doors	1	x	4	x	7	28 Sft
D-1	2	x	3-1/2	x	7	49 Sft
Corridor & Dispensary						
W-8 (G.F)	12	x	8	x	5	480 Sft
W-8 (R.F)	12	x	8	x	5	480 Sft
W-10	8	x	8	x	10	640 Sft
Mosque						
Doors	5	x	5	x	7	175 Sft

Total	14074	Sft	
Net	105595	Sft	
@	617.75	% Sft	Rs. 652313/-

- 4 Priming coat of chalk under distemper.  
Take Qty 40% of above item

105595	x 40%	42238 Sft
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Total	42238	Sft
@	220.55	% Sft
		Rs. 93156/-

- 5 Pre-pairing surface and painting to with emulsion paint two coats on old surface.

Take Qty Same Item No.03 above

105595 Sft

Total	105595	Sft
@	1,781.95	% Sft
		Rs. 1881650/-

- 6 Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using dexux sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

W-2	18	x	2	x	5	180 Sft
W-5	2	x	5	x	5	50 Sft
W-6	13	x	6	x	5	390 Sft
C.W-1	6	x	2	x	2	24 Sft
C.W-2	10	x	3	x	2	60 Sft

Ground Floor (X-RAY Block)

W-6	10	x	6	x	5	300 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft

First Floor (Admin Block)

W-6	14	x	6	x	5	420 Sft
W-2	14	x	2	x	5	140 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	10	x	3	x	2	60 Sft

**Middle Portion****Ground Floor (Emergency Block)**

W-6	4	x	6	x	5	120 Sft
W-2	11	x	2	x	5	110 Sft
W-4	3	x	4	x	5	60 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	4	x	3	x	2	24 Sft

**Gyne Block**

W-6	4	x	6	x	5	120 Sft
W-2	12	x	2	x	5	120 Sft
W-4	3	x	4	x	5	60 Sft
W-5	1	x	5	x	5	25 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	5	x	2	x	2	20 Sft
C.W-2	2	x	3	x	2	12 Sft

**First Floor (Chest Block)**

W-2	7	x	2	x	5	70 Sft
W-4	7	x	4	x	5	140 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	4	x	3	x	2	24 Sft

**Peeds Block**

W-6	7	x	6	x	5	210 Sft
W-2	12	x	2	x	5	120 Sft
W-4	8	x	4	x	5	160 Sft
W-4A	3	x	4	x	3	36 Sft
W-5	3	x	5	x	5	75 Sft
W-8	2	x	8	x	5	80 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	7	x	3	x	2	42 Sft

**Third Portion****Ground Floor (Medical Block)**

W-6	8	x	6	x	5	240 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	5	x	4	x	3	60 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft

**ICU Block**

W-6	6	x	6	x	5	180 Sft
W-2	3	x	2	x	5	30 Sft
W-4A	4	x	4	x	3	48 Sft
C.W-2	3	x	3	x	2	18 Sft

**First Floor (Surgical Block)**

W-6	7	x	6	x	5	210 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	4	x	4	x	3	48 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-2	4	x	3	x	2	24 Sft

**OT Block**

W-6	16	x	6	x	5	480 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
W-8	1	x	8	x	5	40 Sft
W-8A	3	x	8	x	3	72 Sft
C.W-2	2	x	3	x	2	12 Sft

**Dental Block**

W-6	7	x	6	x	5	210 Sft
W-3	1	x	3	x	5	15 Sft

**Corridor & Dispensary**

W-8 (G.F)	12	x	8	x	5	480 Sft
W-8 (F.F)	12	x	8	x	5	480 Sft
W-10	8	x	8	x	10	640 Sft

**Total 7617 Sft****@ 670.60 P. Sft Rs. 5107960/-**



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

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

W-2	18	x	2	x	5	180 Sft
W-5	2	x	5	x	5	50 Sft
W-6	13	x	6	x	5	390 Sft
C.W-1	6	x	2	x	2	24 Sft
C.W-2	10	x	3	x	2	60 Sft

**Ground Floor (X-RAY Block)**

W-6	10	x	6	x	5	300 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft

**First Floor (Admin Block)**

W-6	14	x	6	x	5	420 Sft
W-2	14	x	2	x	5	140 Sft
W-5	2	x	5	x	5	50 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	10	x	3	x	2	60 Sft

**Middle Portion**

**Ground Floor (Emergency Block)**

W-6	4	x	6	x	5	120 Sft
W-2	11	x	2	x	5	110 Sft
W-4	3	x	4	x	5	60 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	4	x	3	x	2	24 Sft

**Gyne Block**

W-6	4	x	6	x	5	120 Sft
W-2	12	x	2	x	5	120 Sft
W-4	3	x	4	x	5	60 Sft
W-5	1	x	5	x	5	25 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	5	x	2	x	2	20 Sft
C.W-2	2	x	3	x	2	12 Sft

**First Floor (Chest Block)**

W-2	7	x	2	x	5	70 Sft
W-4	7	x	4	x	5	140 Sft
W-8	1	x	8	x	5	40 Sft
C.W-1	4	x	2	x	2	16 Sft
C.W-2	4	x	3	x	2	24 Sft

**Peeds Block**

W-6	7	x	6	x	5	210 Sft
W-2	12	x	2	x	5	120 Sft
W-4	8	x	4	x	5	160 Sft
W-4A	3	x	4	x	3	36 Sft
W-5	3	x	5	x	5	75 Sft
W-8	2	x	8	x	5	80 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	7	x	3	x	2	42 Sft

**Third Portion**

**Ground Floor (Medical Block)**

W-6	8	x	6	x	5	240 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	5	x	4	x	3	60 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft

**ICU Block**

W-6	6	x	6	x	5	180 Sft
W-2	3	x	2	x	5	30 Sft
W-4A	4	x	4	x	3	48 Sft
C.W-2	3	x	3	x	2	18 Sft

**First Floor (Surgical Block)**

W-6	7	x	6	x	5	210 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	4	x	4	x	3	48 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-2	4	x	3	x	2	24 Sft

OT Block

W-6	16	x	6	x	5	480 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
W-8	1	x	8	x	5	40 Sft
W-8A	3	x	8	x	3	72 Sft
C.W-2	2	x	3	x	2	12 Sft
Dental Block						
W-6	7	x	6	x	5	210 Sft
W-3	1	x	3	x	5	15 Sft
Corridor & Dispensary						
W-8 (G.F)	12	x	8	x	5	480 Sft
W-8 (F.F)	12	x	8	x	5	480 Sft
W-10	8	x	8	x	10	640 Sft

Total 7617 Sft

Take 1/2 of total Quantity (7617/2)=3809-Sft

3809 Sft

Total 3809 Sft

@

688.35 P. Sft Rs. 2621581

- 8 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 (1 1/4" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (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.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

Door	1	x	6	x	7	42 Sft
------	---	---	---	---	---	--------

Ground Floor (X-RAY Block)

Doors	1	x	3-1/2	x	7	25 Sft
-------	---	---	-------	---	---	--------

Middle Portion

Gyne Block

Doors	2	x	3	x	7	42 Sft
-------	---	---	---	---	---	--------

First Floor (Chest Block)

Doors	3	x	4	x	7	84 Sft
-------	---	---	---	---	---	--------

Peeds Block

Doors	4	x	4	x	7	112 Sft
-------	---	---	---	---	---	---------

Third Portion

Ground Floor (Medical Block)

Doors	2	x	4	x	7	56 Sft
-------	---	---	---	---	---	--------

First Floor (Surgical Block)

Doors	2	x	4	x	7	56 Sft
-------	---	---	---	---	---	--------

OT Block

Doors	1	x	5	x	7	35 Sft
-------	---	---	---	---	---	--------

Mosque

Doors	2	x	3-1/2	x	7	49 Sft
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	5	x	5	x	7	175 Sft
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Total 676 Sft

@

716.50 P. Sft Rs. 484354/-

- 9 Providing and fixing 2" wide MS Chowkat singel /double rebatemade of 16 SWG MSsheet pressed/wel ded / supported with M.S. fl at 1-1/4"x1/8" i/c 6" long M.S. fl at 1"x1/8"hold f asts (6-Nos) wel ded/ screwed, punching of lock hole covered with MS Box,coating with anti rust pai nt including filling with cement sand mor tar (1:8) and embedding hold f ast in cement concrete (1:2:4) ,compl ete in al l respect as approved and di rected by Engineer Incharge (i) 15" wide.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

Door	10	x	3 1/2	x	7	245 Sft
------	----	---	-------	---	---	---------

Ground Floor (X-RAY Block)

D-1	7	x	3-1/2	x	7	172 Sft
-----	---	---	-------	---	---	---------

First Floor (Admin Block)

D-2	3	x	5	x	7	105 Sft
-----	---	---	---	---	---	---------

D-1

D-2	9	x	3-1/2	x	7	221 Sft
-----	---	---	-------	---	---	---------

D-2

D-3	2	x	5	x	7	70 Sft
-----	---	---	---	---	---	--------

D-3

	1	x	3	x	7	21 Sft
--	---	---	---	---	---	--------

Middle Portion

Ground Floor(Emergency Block)

D-1	10	x	3 1/2	x	7	245 Sft
-----	----	---	-------	---	---	---------

D-2

	2	x	5	x	7	70 Sft
--	---	---	---	---	---	--------

D-3	2	x	3	x	7	42 Sft
Gyne Block						
D-1	5	x	3-1/2	x	7	123 Sft
D-2	3	x	5	x	7	105 Sft
D-3	2	x	3	x	7	42 Sft
First Floor (Chest Block)						
D-1	8	x	3-1/2	x	7	196 Sft
D-2	3	x	5	x	7	105 Sft
Peeds Block						
D-1	6	x	3-1/2	x	7	147 Sft
D-2	6	x	5	x	7	210 Sft
D-3	1	x	3	x	7	21 Sft
<b>Third Portion</b>						
Ground Floor (Medical Block)						
D-1	5	x	3-1/2	x	7	123 Sft
D-2	4	x	5	x	7	140 Sft
D-3	1	x	3	x	7	21 Sft
ICU Block						
D-1	6	x	3-1/2	x	7	147 Sft
D-2	2	x	5	x	7	70 Sft
First Floor (Surgical Block)						
D-1	5	x	3-1/2	x	7	123 Sft
D-2	4	x	5	x	7	140 Sft
D-3	1	x	3	x	7	21 Sft
OT Block						
D-1	6	x	3-1/2	x	7	147 Sft
D-2	5	x	5	x	7	175 Sft
D-3	4	x	3	x	7	84 Sft
D-4	2	x	2-1/2	x	7	35 Sft
Dental Block						
D-1	2	x	3-1/2	x	7	49 Sft
Corridor & Dispensary						
Doors	1	x	5	x	7	35 Sft

**Total** 3450 Sft  
**@** 670.60 P. Sft Rs. 2313570,

- 10 Providing and Fixing 1-1/2" thick Solid Flush Door leaf comprises of 2.5mm thick Ash-Ply in styles and rail farm, with 1/4" thick grooves duly pressed over 2.5mm thick commercial ply duly pressed over 1" thick packing wood fixed in styles and rail farm including the cost of glue, 3/8" thick lipping of nails complete in all respect and as approved / directed by Engineer Incharge.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)

Door	10	x	3-1/2	x	7	245 Sft
------	----	---	-------	---	---	---------

Ground Floor (X RAY Block)

D-1	7	x	3-1/2	x	7	172 Sft
-----	---	---	-------	---	---	---------

D-2	3	x	5	x	7	105 Sft
-----	---	---	---	---	---	---------

First Floor (Admin Block)

D-1	9	x	3-1/2	x	7	221 Sft
-----	---	---	-------	---	---	---------

D-2	2	x	5	x	7	70 Sft
-----	---	---	---	---	---	--------

D-3	1	x	3	x	7	21 Sft
-----	---	---	---	---	---	--------

**Middle Portion**

Ground Floor (Emergency Block)

D-1	10	x	3-1/2	x	7	245 Sft
-----	----	---	-------	---	---	---------

D-2	2	x	5	x	7	70 Sft
-----	---	---	---	---	---	--------

D-3	2	x	3	x	7	42 Sft
-----	---	---	---	---	---	--------

Gyne Block

D-1	5	x	3-1/2	x	7	123 Sft
-----	---	---	-------	---	---	---------

D-2	3	x	5	x	7	105 Sft
-----	---	---	---	---	---	---------

D-3	2	x	3	x	7	42 Sft
-----	---	---	---	---	---	--------

First Floor (Chest Block)

D-1	8	x	3-1/2	x	7	196 Sft
-----	---	---	-------	---	---	---------

D-2	3	x	5	x	7	105 Sft
-----	---	---	---	---	---	---------

Peeds Block

D-1	6	x	3-1/2	x	7	147 Sft
-----	---	---	-------	---	---	---------

D-2	6	x	5	x	7	210 Sft
-----	---	---	---	---	---	---------

D-3	1	x	3	x	7	21 Sft
-----	---	---	---	---	---	--------

**Third Portion**

Ground Floor (Medical Block)

D-1	5	x	3-1/2	x	7	123 Sft
-----	---	---	-------	---	---	---------

D-2	4	x	5	x	7	140 Sft
-----	---	---	---	---	---	---------

D-3	1	x	3	x	7	21 Sft
-----	---	---	---	---	---	--------

ICU Block

D-1	6	x	3-1/2	x	7	147 Sft
-----	---	---	-------	---	---	---------

D-2	2	x	5	x	7	70 Sft
-----	---	---	---	---	---	--------



First Floor (Surgical Block)							
D-1	5	x	3 1/2	x	7	123	Sft
D-2	4	x	5	x	7	140	Sft
D-3	1	x	3	x	7	21	Sft
OT Block							
D-1	6	x	3-1/2	x	7	147	Sft
D-2	5	x	5	x	7	175	Sft
D-3	4	x	3	x	7	84	Sft
D-4	2	x	2-1/2	x	7	35	Sft
Dental Block							
D-1	2	x	3-1/2	x	7	49	Sft
Corridor & Dispensary							
Doors	1	x	5	x	7	35	Sft

Total 3450 Sft  
@ 582.00 P. Sft Rs. 2007900/

11 Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats of wood sealer, sand papering with different no of sandpapers and Lacquar to make glossy surf ace finish i/c the cost of cotton, thinner, wood seal er compl ete in al l respect s as approved and directed by the Engineer Incharge.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)								
Door	10	x	2	x	3-1/2	x	7	490 Sft
Ground Floor (X-RAY Block)								
D-1	7	x	2	x	3-1/2	x	7	343 Sft
D-2	3	x	2	x	5	x	7	210 Sft
First Floor (Admin. Block)								
D-1	9	x	2	x	3-1/2	x	7	441 Sft
D-2	2	x	2	x	5	x	7	140 Sft
D-3	1	x	2	x	3	x	7	42 Sft

Middle Portion

Ground Floor(Emergency Block)									
D-1	10	x	2	x	3-1/2	x	7	490	Sft
D-2	2	x	2	x	5	x	7	140	Sft
D-3	2	x	2	x	3	x	7	84	Sft
Gyne Block									
D-1	5	x	2	x	3-1/2	x	7	245	Sft
D-2	3	x	2	x	5	x	7	210	Sft
D-3	2	x	2	x	3	x	7	84	Sft
First Floor (Chest Block)									
D-1	8	x	2	x	3-1/2	x	7	392	Sft
D-2	3	x	2	x	5	x	7	210	Sft
Peeds Block									
D-1	6	x	2	x	3-1/2	x	7	294	Sft
D-2	6	x	2	x	5	x	7	420	Sft
D-3	1	x	2	x	3	x	7	42	Sft

Third Portion

Ground Floor (Medical Block)								
D-1	5	x	2	x	3-1/2	x	7	245 Sft
D-2	4	x	2	x	5	x	7	280 Sft
D-3	1	x	2	x	3	x	7	42 Sft
ICU Block								
D-1	6	x	2	x	3-1/2	x	7	294 Sft
D-2	2	x	2	x	5	x	7	140 Sft
First Floor (Surgical Block)								
D-1	5	x	2	x	3-1/2	x	7	245 Sft
D-2	4	x	2	x	5	x	7	280 Sft
D-3	1	x	2	x	3	x	7	42 Sft
OT Block								
D-1	6	x	2	x	3-1/2	x	7	294 Sft
D-2	5	x	2	x	5	x	7	350 Sft
D-3	4	x	2	x	3	x	7	168 Sft
D-4	2	x	2	x	2-1/2	x	7	70 Sft
Dental Block								
D-1	2	x	2	x	3-1/2	x	7	98 Sft
Corridor & Dispensary								
Doors	1	x	2	x	5	x	7	70 Sft
All Doors Jams								
	128	x	2	x	5/6	x	7	1487 Sft
	128	x	1	x	4	x	5/6	425 Sft

Total 8807 Sft  
@ 144.50 PSft Rs. 1272612,

12 Painting to doors and windows any type two coats on old surface.

OPD Block							
Almirah	10	x	2	x	5-1/2	x	6-3/4
X-Ray Block							
Almirah	5	x	2	x	5-1/2	x	6-3/4
Admin Block							
Almirah	7	x	2	x	5-1/2	x	6-3/4
Medical Block							
Almirah	9	x	2	x	6	x	10

Total 1357 Sft

@ 1346.60 % Sft Rs.18273/-

13 Raking and washing joints of brick masonry (old work).

Roof Tile							
1st Portion	1	x	280	x	70		19600 Sft
2nd Portion	1	x	230	x	90		20700 Sft
3rd Portion	1	x	220	x	90		19800 Sft
Corridor	2	x	50	x	80		8000 Sft
D/D	-2	x	40	x	40		-3200 Sft

Total 64900 Sft

@ 554.40 % Sft Rs. 359806/-

14 Grouting 1-1/2" dry brick work with cement mortar ratio 1:5.

Roof Tile							
1st Portion	1	x	280	x	70		19600 Sft
2nd Portion	1	x	230	x	90		20700 Sft
3rd Portion	1	x	220	x	90		19800 Sft
Corridor	2	x	50	x	80		8000 Sft
D/D	-2	x	40	x	40		-3200 Sft

Total 64900 Sft

@ 705.77 % Sft Rs. 458043/-

15 P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.

B) Brass  
i) 10" (250 mm) long

All Wooden Doors	1	x	130				130 Nos
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Total 130 Nos

@ 908.00 Each Rs.118040/-

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

All Aluminum Doors	1	x	25				25 Nos
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Total 25 Nos

@ 2641.55 Each Rs.66039/-

17 Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.

All Wards Doors	35	x	8	x	5		1400 Rft
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Total 1400 Rft

@ 61.00 P Rft Rs.85400/-

18 Dismantling brick work in line or cement mortar.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

W.C. Pillar	1	x	2	x	3/8	x	4
W.C. walls	1	x	2	x	3/8	x	6
	1	x	1-1/2	x	3/8	x	7
	1	x	1-1/8	x	3/8	x	3

3 Cft

5 Cft

4 Cft

1 Cft



Ground Floor (X-RAY Block)								
W.C. Pillar	2	x	2	x	3/8	x	2	3 Cft
W.C. walls	3	x	4	x	3/8	x	2	9 Cft
	3	x	1-1/2	x	3/8	x	2	3 Cft
First Floor (Admin Block)								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
W.C. walls	3	x	4	x	3/8	x	2	9 Cft
	4	x	1-1/2	x	3/8	x	1-1/2	3 Cft
Middle Portion								
Ground Floor(Emergency Block)								
Old walls	1	x	22-1/2	x	3/4	x	12	203 Cft
	2	x	13	x	3/4	x	10	195 Cft
	1	x	8	x	3/4	x	10	60 Cft
Gyne Block								
W.C. wall	4	x	5	x	3/8	x	1/2	4 Cft
	4	x	1-1/2	x	3/8	x	2	5 Cft
First Floor (Chest Block)								
W.C. Pillar	3	x	2	x	3/8	x	2	5 Cft
Peeds Block								
W.C. Pillar	3	x	2	x	3/8	x	2	5 Cft
W.C. walls	2	x	4	x	3/8	x	2	6 Cft
	4	x	1-1/2	x	3/8	x	2	5 Cft
Third Portion								
ICU Block								
W.C. Pillar	4	x	2	x	3/8	x	2	6 Cft
First Floor (Surgical Block)								
W.C. Pillar	2	x	1-3/4	x	3/8	x	1	1 Cft
W.C. walls	2	x	4	x	3/8	x	2	6 Cft
Masjid win walls	2	x	12	x	3/4	x	3	54 Cft
Corridor & Dispensary								
Doors	1	x	5	x	1-1/8	x	7	39 Cft
Disposal Outer Boundary wall	1	x	25	x	1-1/8	x	5	141 Cft
Disposal Outer Boundary wall	1	x	25	x	3/4	x	7	131 Cft
Total								908 Cft
@								4,347.45 % Cft Rs. 39475/-

19 Pacca brick work in Ground Floor with cement sand mortar (1:5).

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)								
W.C. Pillar	1	x	2	x	3/8	x	4	3 Cft
	1	x	2	x	3/8	x	6	5 Cft
	1	x	1-1/2	x	3/8	x	7	4 Cft
	1	x	1-1/8	x	3/8	x	3	1 Cft
Vainty Taigha	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
Attach Bath	18	x	2-1/4	x	3/8	x	2-3/4	42 Cft
Ground Floor (X-RAY Block)								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
	1	x	4	x	3/8	x	2	3 Cft
	1	x	1-1/2	x	3/8	x	2	1 Cft
Vainty Taigha	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
Attach Bath	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
First Floor (Admin Block)								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
	1	x	4	x	3/8	x	2	3 Cft
	4	x	1-1/2	x	3/8	x	1-1/2	3 Cft
Vainty Taigha	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
Attach Bath	2	x	2-1/4	x	3/8	x	2-3/4	5 Cft

Middle Portion

Ground Floor(Emergency Block)								
New Emergency ward	1	x	21-1/6	x	3/4	x	12	191 Cft
inside	1	x	13	x	3/4	x	12	117 Cft
Front of toilet block	1	x	12-1/4	x	3/4	x	12	110 Cft
win close	1	x	3	x	3/4	x	7	16 Cft
New wall front Emergeny	1	x	11-3/4	x	3/4	x	10	88 Cft
New wall side Emergeny	1	x	9-1/4	x	3/4	x	10	69 Cft
win close	1	x	2-1/2	x	3/4	x	5	9 Cft
New counters wall	1	x	6	x	3/8	x	3	7 Cft
	1	x	1-2/3	x	3/8	x	3	2 Cft
	1	x	3-1/4	x	3/8	x	3	4 Cft
	1	x	9-1/4	x	3/8	x	2-3/4	10 Cft
	1	x	1-2/3	x	3/8	x	2-3/4	2 Cft
	1	x	11-1/2	x	3/8	x	2-3/4	12 Cft
	1	x	5-1/4	x	3/8	x	3-3/4	7 Cft
	3	x	13-1/2	x	3/8	x	3-3/4	57 Cft

35

Vainty Taigha	9	x	2	x	3/8	x	2-3/4	19 Cft
Attach Bath	2	x	2	x	3/8	x	2-3/4	4 Cft
Gyne Block								
W.C. wall	4	x	5	x	3/8	x	1/2	4 Cft
	1	x	1-1/2	x	3/8	x	2	1 Cft
Vainty Taigha	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
Attach Bath	4	x	2-1/4	x	3/8	x	2-3/4	9 Cft
First Floor (Chest Block)								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
Vainty Taigha	4	x	2-1/4	x	3/8	x	2-3/4	9 Cft
Attach Bath	6	x	2-1/4	x	3/8	x	2-3/4	14 Cft
Peeds Block								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
	1	x	4	x	3/8	x	2	3 Cft
	1	x	1-1/2	x	3/8	x	2	1 Cft
Vainty Taigha	8	x	2-3/4	x	3/8	x	2	17 Cft
Attach Bath	4	x	2	x	3/8	x	2-2/3	8 Cft
Third Portion								
Ground Floor (Medical Block)								
Vainty Taigha	8	x	2-3/4	x	3/8	x	2	17 Cft
Attach Bath	6	x	2	x	3/8	x	2-2/3	12 Cft
ICU Block								
W.C. Pillar	1	x	2	x	3/8	x	2	2 Cft
Attach Bath	4	x	2	x	3/8	x	2-2/3	8 Cft
First Floor (Surgical Block)								
W.C. Pillar	1	x	1-3/4	x	3/8	x	1	1 Cft
	1	x	4	x	3/8	x	2	3 Cft
Vainty Taigha	8	x	2-3/4	x	3/8	x	2	17 Cft
Attach Bath	2	x	2	x	3/8	x	2-2/3	4 Cft
OT Block								
Attach Bath	2	x	2	x	3/8	x	2-2/3	4 Cft
Dental Block								
Masjid win walls	2	x	12	x	3/4	x	3	54 Cft
Corridor & Dispensary								
Doors	1	x	5	x	1-1/8	x	7	39 Cft

Total 1099 Cft  
 @ 30,670.10 % Cft Rs. 337064,

20 Pacca brick work in other than buildings with cement sand mortar ratio 1:6.

Disposal Outer Boundary wall	1	x	30	x	1-1/8	x	5	169 Cft
Disposal Outer Boundary wall	1	x	30	x	3/4	x	7	158 Cft

Total 327 Cft  
 @ 28,853.50 % Cft Rs. 94351/

21 Removing cement plaster from walls.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

Room-1	2	x	1	x	14	x	3	84 Sft
	1	x	1	x	19	x	3	57 Sft
	1	x	1	x	4-1/2	x	4	18 Sft
Room-2	1	x	1	x	22	x	4-1/2	99 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
	1	x	1	x	16	x	5	80 Sft
Room-3	1	x	1	x	17	x	5	85 Sft
	1	x	1	x	16	x	2-1/2	40 Sft
	1	x	1	x	17	x	2-1/2	43 Sft
Room-4	1	x	1	x	16	x	2	32 Sft
	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	16	x	2-1/2	80 Sft
	2	x	1	x	17	x	2-1/2	85 Sft
Room-5	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
Room-6	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
Room-7	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	18	x	2	72 Sft
	2	x	1	x	17	x	2	68 Sft
Room-8	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	16	x	2	64 Sft

Room-9	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
Corridor	1	x	1	x	17	x	1/2	9 Sft
	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	10	x	1	x	8	x	1-3/4	140 Sft
	1	x	1	x	15-1/2	x	2	31 Sft
Ground Floor (X-RAY Block)								
Room-1	2	x	1	x	14	x	3	84 Sft
	1	x	1	x	19	x	3	57 Sft
Room-2	1	x	1	x	4 1/2	x	4	18 Sft
	1	x	1	x	22	x	4 1/2	99 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
Room-3	1	x	1	x	16	x	5	80 Sft
	1	x	1	x	17	x	5	85 Sft
	1	x	1	x	16	x	2-1/2	40 Sft
Room-4	1	x	1	x	17	x	2-1/2	43 Sft
	1	x	1	x	16	x	2	32 Sft
	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	16	x	2-1/2	80 Sft
Room-5	2	x	1	x	17	x	2-1/2	85 Sft
	2	x	1	x	16	x	2	64 Sft
Room-6	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
X-Ray Room	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	16	x	2	64 Sft
C.T. Scan	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
Corridor	1	x	1	x	17	x	1/2	9 Sft
	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	1	x	1	x	15-1/2	x	2	31 Sft
First Floor (Admin Block)								
Room-1	2	x	1	x	11	x	3	66 Sft
	1	x	1	x	15	x	3	45 Sft
M.S Office	1	x	1	x	4-1/2	x	4	18 Sft
	2	x	1	x	19	x	4-1/2	171 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
Room-3	1	x	1	x	14	x	5	70 Sft
	1	x	1	x	13	x	5	65 Sft
	1	x	1	x	14	x	2-1/2	35 Sft
Room-4	1	x	1	x	11	x	2-1/2	28 Sft
	1	x	1	x	13	x	2	26 Sft
	1	x	1	x	19	x	2	38 Sft
	2	x	1	x	14	x	2-1/2	70 Sft
Admin Office	2	x	1	x	15	x	2-1/2	75 Sft
	2	x	1	x	11	x	2	44 Sft
Room-6	2	x	1	x	21	x	3	126 Sft
	2	x	1	x	14	x	2	56 Sft
Branch	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	3	96 Sft
	2	x	1	x	18	x	2	72 Sft
Waiting Area	2	x	1	x	13	x	2	52 Sft
	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
Committee Room	2	x	1	x	15	x	2	60 Sft
	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
Corridor	1	x	1	x	17	x	1/2	9 Sft
	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	10	x	1	x	8	x	1-3/4	140 Sft
	1	x	1	x	15-1/2	x	2	31 Sft
Middle Portion								
Ground Floor(Emergency Block)								
New Emergency	1	x	1	x	14	x	12	168 Sft
	2	x	1	x	7-1/4	x	8	116 Sft
Store Inside	1	x	1	x	6	x	11	66 Sft
	1	x	1	x	6-1/2	x	12	78 Sft
Door sides	2	x	1	x	2	x	3/4	3 Sft
	1	x	1	x	4	x	4-3/4	19 Sft
Ent Front	1	x	1	x	24	x	2-1/2	60 Sft
	1	x	1	x	22	x	5-3/4	127 Sft



Old Emergency inside	1	x	1	x	14	x	6-1/2	91 Sft
	1	x	1	x	10	x	7-1/4	73 Sft
	4	x	1	x	2	x	3/4	6 Sft
M.O Room	2	x	1	x	9	x	7	126 Sft
	2	x	1	x	13-1/2	x	7	189 Sft
Toilet Block	2	x	1	x	10	x	3	60 Sft
Roof	3	x	1	x	4	x	3	36 Sft
Corridor	2	x	1	x	18	x	2	72 Sft
Gyne Block								
Ward-1	2	x	1	x	22	x	4	176 Sft
	2	x	1	x	21	x	4	168 Sft
Ward-2	2	x	1	x	15	x	2-1/2	75 Sft
	2	x	1	x	8	x	2-1/2	40 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	4	x	1	x	5	x	4	80 Sft
Stair walls	2	x	1	x	15	x	7	210 Sft
First Floor (Chest Block)								
Ward-1	2	x	1	x	18	x	4	144 Sft
	2	x	1	x	19	x	4	152 Sft
Ward-2	2	x	1	x	15	x	4	120 Sft
	2	x	1	x	8	x	3	48 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	8	x	1	x	5	x	4	160 Sft
Stair walls	2	x	1	x	18	x	7	252 Sft
Peeds Block								
Ward-1	2	x	1	x	12	x	4	96 Sft
	2	x	1	x	13	x	4	104 Sft
Ward-2	2	x	1	x	15	x	4	120 Sft
	2	x	1	x	8	x	3	48 Sft
Ward-3	2	x	1	x	17	x	4	136 Sft
	2	x	1	x	18	x	3	108 Sft
Ward-4	2	x	1	x	16	x	4	128 Sft
	2	x	1	x	14	x	3	84 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	3	x	1	x	5	x	4	60 Sft
Stair walls	2	x	1	x	18	x	7	252 Sft
Third Portion								
Ground Floor (Medical Block)								
Ward-1	1	x	1	x	15	x	4	60 Sft
	1	x	1	x	14	x	4	56 Sft
Ward-2	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	13	x	3	78 Sft
Ward-3	1	x	1	x	17	x	4	68 Sft
	2	x	1	x	18	x	3	108 Sft
Ward-4	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft
Corridor	2	x	1	x	12	x	3	72 Sft
Toilet	3	x	1	x	5	x	4	60 Sft
Nursing	2	x	1	x	12	x	4	96 Sft
ICU Block								
Ward-1	1	x	1	x	14	x	3-1/2	49 Sft
	1	x	1	x	12	x	3-1/2	42 Sft
Ward-2	1	x	1	x	13	x	3	39 Sft
	2	x	1	x	12	x	3	72 Sft
Corridor	1	x	1	x	17	x	3-1/2	60 Sft
	2	x	1	x	18	x	3	108 Sft
Nursing	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft
First Floor (Surgical Block)								
Ward-1	2	x	1	x	14	x	3-1/2	98 Sft
	2	x	1	x	12	x	3-1/2	84 Sft
Ward-2	2	x	1	x	13	x	3	78 Sft
	2	x	1	x	12	x	3	72 Sft
Corridor	1	x	1	x	17	x	3-1/2	60 Sft
	2	x	1	x	18	x	3	108 Sft
Nursing	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	12-1/2	x	3-1/2	88 Sft
OT Block								
Room	1	x	1	x	14	x	4	56 Sft
	1	x	1	x	14	x	4	56 Sft
Sterilizing	1	x	1	x	13	x	4	52 Sft
	1	x	1	x	13	x	3	39 Sft
Washing	1	x	1	x	12	x	4	48 Sft
	2	x	1	x	11	x	3	66 Sft
Office	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft

<i>Dental Block</i>								
<i>Room</i>	2	x	1	x	12	x	3	72 Sft
<i>Ward</i>	1	x	1	x	31	x	2-1/2	78 Sft
<i>Corridor &amp; Dispensary</i>								
<i>Walls</i>	1	x	2	x	100	x	2	400 Sft
	1	x	2	x	85	x	3-1/2	595 Sft
	1	x	2	x	95-1/2	x	3	573 Sft

Total 13427 Sft  
@ 343.20 % Sft Rs. 46081/-

22 1/2" thick cement plaster upto 20' height (1:4).

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Ground Floor (OPD Block)

Room-1	2	x	1	x	14	x	3	84 Sft
	1	x	1	x	19	x	3	57 Sft
	1	x	1	x	4-1/2	x	4	18 Sft
Room-2	1	x	1	x	22	x	4-1/2	99 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
	1	x	1	x	16	x	5	80 Sft
Room-3	1	x	1	x	17	x	5	85 Sft
	1	x	1	x	16	x	2-1/2	40 Sft
	1	x	1	x	17	x	2-1/2	43 Sft
Room-4	1	x	1	x	16	x	2	32 Sft
	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	16	x	2-1/2	80 Sft
	2	x	1	x	17	x	2-1/2	85 Sft
Room-5	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
Room-6	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
Room-7	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	18	x	2	72 Sft
	2	x	1	x	17	x	2	68 Sft
Room-8	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	16	x	2	64 Sft
Room-9	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
	1	x	1	x	17	x	1/2	9 Sft
Corridor	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	10	x	1	x	8	x	1-3/4	140 Sft
	1	x	1	x	15-1/2	x	2	31 Sft

Ground Floor (X-RAY Block)

Room-1	2	x	1	x	14	x	3	84 Sft
	1	x	1	x	19	x	3	57 Sft
	1	x	1	x	4-1/2	x	4	18 Sft
Room-2	1	x	1	x	22	x	4-1/2	99 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
	1	x	1	x	16	x	5	80 Sft
Room-3	1	x	1	x	17	x	5	85 Sft
	1	x	1	x	16	x	2-1/2	40 Sft
	1	x	1	x	17	x	2-1/2	43 Sft
Room-4	1	x	1	x	16	x	2	32 Sft
	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	16	x	2-1/2	80 Sft
	2	x	1	x	17	x	2-1/2	85 Sft
Room-5	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
Room-6	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	17	x	2	68 Sft
X-Ray Room	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	16	x	2	64 Sft
C.T. Scan	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
	1	x	1	x	17	x	1/2	9 Sft
Corridor	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	1	x	1	x	15-1/2	x	2	31 Sft

First Floor (Admin Block)

Room-1	2	x	1	x	11	x	3	66 Sft
	1	x	1	x	15	x	3	45 Sft

	1	x	1	x	4-1/2	x	4	18 Sft
M.S Office	2	x	1	x	19	x	4-1/2	171 Sft
	1	x	1	x	8	x	3	24 Sft
	1	x	1	x	2	x	2	4 Sft
Room-3	1	x	1	x	14	x	5	70 Sft
	1	x	1	x	13	x	5	65 Sft
	1	x	1	x	14	x	2-1/2	35 Sft
Room-4	1	x	1	x	11	x	2-1/2	28 Sft
	1	x	1	x	13	x	2	26 Sft
	1	x	1	x	19	x	2	38 Sft
	2	x	1	x	14	x	2-1/2	70 Sft
Admin Office	2	x	1	x	15	x	2-1/2	75 Sft
	2	x	1	x	11	x	2	44 Sft
	2	x	1	x	21	x	3	126 Sft
Room-6	2	x	1	x	14	x	2	56 Sft
	2	x	1	x	17	x	2	68 Sft
Branch	2	x	1	x	16	x	3	96 Sft
	2	x	1	x	18	x	2	72 Sft
	2	x	1	x	13	x	2	52 Sft
Waiting Area	2	x	1	x	17	x	2	68 Sft
	2	x	1	x	16	x	2	64 Sft
	2	x	1	x	15	x	2	60 Sft
Committee Room	1	x	1	x	17	x	2	34 Sft
	2	x	1	x	6	x	3/4	9 Sft
	1	x	1	x	17	x	1/2	9 Sft
Corridor	10	x	1	x	10	x	1/2	50 Sft
	2	x	1	x	25	x	1/2	25 Sft
	10	x	1	x	8	x	1-3/4	140 Sft
	1	x	1	x	15-1/2	x	2	31 Sft
<b>Middle Portion</b>								
<b>Ground Floor(Emergency Block)</b>								
New Emergency	1	x	1	x	14	x	12	168 Sft
	2	x	1	x	7-1/4	x	8	116 Sft
	1	x	1	x	6	x	11	66 Sft
Store Inside	1	x	1	x	6-1/2	x	12	78 Sft
	2	x	1	x	2	x	3/4	3 Sft
Door sides	1	x	1	x	4	x	4-3/4	19 Sft
Ent Front	1	x	1	x	24	x	2-1/2	60 Sft
	1	x	1	x	22	x	5-3/4	127 Sft
Old Emergency inside	1	x	1	x	14	x	6-1/2	91 Sft
	1	x	1	x	10	x	7-1/4	73 Sft
	4	x	1	x	2	x	3/4	6 Sft
M.O Room	2	x	1	x	9	x	7	126 Sft
	2	x	1	x	13-1/2	x	7	189 Sft
Toilet Block	2	x	1	x	10	x	3	60 Sft
Roof	3	x	1	x	4	x	3	36 Sft
Corridor	2	x	1	x	18	x	2	72 Sft
New Walls	1	x	2	x	21-1/4	x	7	298 Sft
	1	x	2	x	11-3/4	x	6	141 Sft
	1	x	2	x	9-1/4	x	6	111 Sft
<b>Gyne Block</b>								
Ward-1	2	x	1	x	22	x	4	176 Sft
	2	x	1	x	21	x	4	168 Sft
Ward-2	2	x	1	x	15	x	2-1/2	75 Sft
	2	x	1	x	8	x	2-1/2	40 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	4	x	1	x	5	x	4	80 Sft
Stair walls	2	x	1	x	15	x	7	210 Sft
<b>First Floor (Chest Block)</b>								
Ward-1	2	x	1	x	18	x	4	144 Sft
	2	x	1	x	19	x	4	152 Sft
Ward-2	2	x	1	x	15	x	4	120 Sft
	2	x	1	x	8	x	3	48 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	8	x	1	x	5	x	4	160 Sft
Stair walls	2	x	1	x	18	x	7	252 Sft
<b>Peeds Block</b>								
Ward-1	2	x	1	x	12	x	4	96 Sft
	2	x	1	x	13	x	4	104 Sft
Ward-2	2	x	1	x	15	x	4	120 Sft
	2	x	1	x	8	x	3	48 Sft
Ward-3	2	x	1	x	17	x	4	136 Sft
	2	x	1	x	18	x	3	108 Sft
Ward-4	2	x	1	x	16	x	4	128 Sft
	2	x	1	x	14	x	3	84 Sft
Corridor	2	x	1	x	20	x	3	120 Sft
Toilet	3	x	1	x	5	x	4	60 Sft



Stair walls	2	x	1	x	18	x	7	252 Sft
<b>Third Portion</b>								
<b>Ground Floor (Medical Block)</b>								
Ward-1	1	x	1	x	15	x	4	60 Sft
	1	x	1	x	14	x	4	56 Sft
Ward-2	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	13	x	3	78 Sft
Ward-3	1	x	1	x	17	x	4	68 Sft
	2	x	1	x	18	x	3	108 Sft
Ward-4	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft
Corridor	2	x	1	x	12	x	3	72 Sft
Toilet	3	x	1	x	5	x	4	60 Sft
Nursing	2	x	1	x	12	x	4	96 Sft
<b>ICU Block</b>								
Ward-1	1	x	1	x	14	x	3-1/2	49 Sft
	1	x	1	x	12	x	3-1/2	42 Sft
Ward-2	1	x	1	x	13	x	3	39 Sft
	2	x	1	x	12	x	3	72 Sft
Corridor	1	x	1	x	17	x	3-1/2	60 Sft
	2	x	1	x	18	x	3	108 Sft
Nursing	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft
<b>First Floor (Surgical Block)</b>								
Ward-1	2	x	1	x	14	x	3-1/2	98 Sft
	2	x	1	x	12	x	3-1/2	84 Sft
Ward-2	2	x	1	x	13	x	3	78 Sft
	2	x	1	x	12	x	3	72 Sft
Corridor	1	x	1	x	17	x	3-1/2	60 Sft
	2	x	1	x	18	x	3	108 Sft
Nursing	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	12-1/2	x	3-1/2	88 Sft
<b>OT Block</b>								
Room	1	x	1	x	14	x	4	56 Sft
	1	x	1	x	14	x	4	56 Sft
Sterilizing	1	x	1	x	13	x	4	52 Sft
	1	x	1	x	13	x	3	39 Sft
Washing	1	x	1	x	12	x	4	48 Sft
	2	x	1	x	11	x	3	66 Sft
Office	1	x	1	x	16	x	4	64 Sft
	2	x	1	x	14	x	3	84 Sft
<b>Dental Block</b>								
Room	2	x	1	x	12	x	3	72 Sft
Ward	1	x	1	x	31	x	2-1/2	78 Sft
<b>Corridor &amp; Dispensary</b>								
Walls	1	x	2	x	100	x	2	400 Sft
	1	x	2	x	85	x	3-1/2	595 Sft
	1	x	2	x	95-1/2	x	3	573 Sft

Total 13977 Sft  
@ 2,591.50 % Sft Rs. 362214/-

- 23 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 1 1/4" x 1" and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I /Copper wire 16 SWG, G.I hook, Rawal Plug etc complete in all respects as approved and directed by the Engineer Incharge.

i) 12 mm thick

1st Portion

**Ground Floor OPD Block**

Ent Hall to Dispensary	1	x	1	x	32-1/4	x	72	2322 Sft
M.O. Room	1	x	1	x	18-7/8	x	17-1/4	326 Sft
	1	x	1	x	16-1/2	x	17-1/4	285 Sft
Physician	1	x	1	x	18-7/8	x	17-1/4	326 Sft
	1	x	1	x	16-1/2	x	17-1/4	285 Sft
Neru Surgen	1	x	1	x	16-1/8	x	17-1/4	278 Sft
Waiting Hall	2	x	1	x	11-5/8	x	17-1/4	401 Sft
M.O. Room	1	x	1	x	18-7/8	x	17-1/4	326 Sft
Lobby	2	x	1	x	15	x	5	150 Sft
Toilet	2	x	1	x	11	x	17-1/2	385 Sft
M.O. Room	2	x	1	x	16-1/4	x	17-1/4	561 Sft
Orthopedic	2	x	1	x	19	x	17-1/4	656 Sft
Corridor	1	x	1	x	11-1/4	x	120	1350 Sft
<b>Ground Floor X-Ray</b>								
Lab	1	x	1	x	23	x	17-1/4	397 Sft
Pathalogist	1	x	1	x	11-1/4	x	17-1/4	194 Sft

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Waiting Area	2	x	1	x	11-3/4	x	11-1/4	264 Sft
Corridor	1	x	1	x	11-1/4	x	120	1350 Sft
Toilet	2	x	1	x	11	x	17-1/2	385 Sft
Lobby	2	x	1	x	15	x	5	150 Sft
Dark Room	2	x	1	x	17-1/4	x	11-1/4	388 Sft
Radiology	2	x	1	x	11-1/4	x	17-1/4	388 Sft
X-Ray Rooms	2	x	1	x	23-1/4	x	17-1/4	802 Sft
<b>First Floor Admin. Block</b>								
Ent Hall	1	x	1	x	32-1/4	x	72	2322 Sft
Corridor	1	x	1	x	11-1/4	x	120	1350 Sft
Waiting Hall	2	x	1	x	11-5/8	x	17-1/4	401 Sft
DMS Room	1	x	1	x	11-1/4	x	17-1/4	194 Sft
Reception	1	x	1	x	11-5/8	x	7	81 Sft
Steno	1	x	1	x	12	x	10	120 Sft
Lobby	1	x	1	x	5	x	12	60 Sft
Kitchen	1	x	1	x	7	x	11	77 Sft
M.S. Room	1	x	1	x	18	x	17-1/4	311 Sft
Committee	1	x	1	x	32	x	17-1/4	552 Sft
Medicine Store	1	x	1	x	17-1/4	x	17-1/4	298 Sft
Admin Staff	1	x	1	x	23-1/2	x	17	400 Sft
Lobby	2	x	1	x	15	x	5	150 Sft
Toilet	2	x	1	x	11	x	17-1/2	385 Sft
Admin Office	2	x	1	x	11	x	18	396 Sft
General Store	1	x	1	x	23-1/2	x	17	400 Sft
<b>Middle Portion</b>								
<b>Ground Floor Emergency</b>								
Gallery Adj To Ramp	1	x	1	x	111	x	16-1/2	1832 Sft
Gallery Adj To Disp	1	x	1	x	27	x	11	297 Sft
Dispensary	1	x	1	x	21	x	25	525 Sft
Washing / Packing	2	x	1	x	21	x	10	420 Sft
Store	1	x	1	x	15	x	10	150 Sft
Auto Clave	1	x	1	x	12	x	21	252 Sft
Doctor Room / Surgen	2	x	1	x	16	x	10	320 Sft
Change Room	2	x	1	x	10	x	13	260 Sft
Plaster Room	1	x	1	x	10	x	22	220 Sft
X-Ray Room	1	x	1	x	13	x	13-1/2	176 Sft
Dark / Film	2	x	1	x	7	x	7	98 Sft
Dressing / M & F	2	x	1	x	9	x	13	234 Sft
Examination	1	x	1	x	19	x	15	285 Sft
Lobby Near Dressing	1	x	1	x	38	x	8	304 Sft
Emergency Ward	1	x	1	x	32	x	22	704 Sft
Toilet	2	x	1	x	11	x	15	330 Sft
<b>Ground Floor Gyne</b>								
Delivery	1	x	1	x	19	x	21	399 Sft
Labour Ward	1	x	1	x	33	x	21	693 Sft
Lobby	1	x	1	x	24	x	21	504 Sft
M.O. Room	1	x	1	x	16	x	10	160 Sft
N.S.	1	x	1	x	12	x	10	120 Sft
Hall	1	x	1	x	32	x	33	1056 Sft
Gyne	1	x	1	x	16	x	16	256 Sft
Staff	2	x	1	x	16	x	11	352 Sft
Toilet	2	x	1	x	10	x	11	220 Sft
Corridor	1	x	1	x	10-1/4	x	190	1948 Sft
Ent Back Hall	1	x	1	x	55	x	20	1100 Sft
Reception	1	x	1	x	16	x	11	176 Sft
<b>First Floor Chest Block</b>								
Dental Room	1	x	1	x	21-1/4	x	10-1/4	218 Sft
Dental Operator	1	x	1	x	21-1/4	x	21-1/4	452 Sft
Prayer Hall	1	x	1	x	21-1/4	x	21-1/4	452 Sft
Bed	3	x	1	x	10	x	22	660 Sft
ENT Ward M & F	2	x	1	x	22	x	21	924 Sft
Store	1	x	1	x	10-1/4	x	10-1/4	105 Sft
Hall	1	x	1	x	40	x	35	1400 Sft
Doctor Room	1	x	1	x	19	x	10	190 Sft
Neru Ward	1	x	1	x	26	x	22	572 Sft
Ramp Gallery	1	x	1	x	50	x	10	500 Sft
Treatment	1	x	1	x	15	x	11	165 Sft
Corridor	1	x	1	x	10-1/4	x	80	820 Sft
Gallery Adj Ramp	1	x	1	x	77	x	20	1540 Sft
Gallery Prayer Hall	1	x	1	x	66	x	11	726 Sft
<b>First Floor Peads Block</b>								
Bed	3	x	1	x	10 1/4	x	22	677 Sft
Gyne (7-Bed)	2	x	1	x	27	x	21	1134 Sft
Toilet	2	x	1	x	11	x	22	484 Sft
Gyne (6-Bed)	1	x	1	x	19	x	32	608 Sft

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Gyne (5-Bed)	1	x	1	x	19	x	21	399 Sft
Treatment	2	x	1	x	19	x	10	380 Sft
Peads Ward	2	x	1	x	26	x	21	1092 Sft
Doctor Room	1	x	1	x	16	x	10	160 Sft
Back Hall	1	x	1	x	30	x	35	1050 Sft
Corridor	1	x	1	x	55	x	20	1100 Sft
Stair Hall	1	x	1	x	12	x	14	168 Sft

### Third Portion

#### Ground Floor Medical Block

Medical Ward (5-Bed)	4	x	1	x	21-1/4	x	21-1/4	1806 Sft
Neru Station	2	x	1	x	10	x	11	220 Sft
Doctor Room	2	x	1	x	10	x	22	440 Sft
Patient Toilet	2	x	1	x	11	x	22	484 Sft
Corridor	1	x	1	x	10-1/4	x	120	1230 Sft

#### Ground Floor I.C.U.

Surgen Room	3	x	1	x	10	x	22	660 Sft
Patient Holdup	1	x	1	x	22	x	21	462 Sft
Toilet	2	x	1	x	5	x	6	60 Sft
Workshop	1	x	1	x	22	x	21	462 Sft
Inclerator Room	1	x	1	x	10	x	16	160 Sft
Corridor	1	x	1	x	10-1/4	x	100	1025 Sft

#### First Floor Surgical Block

Ortho ward	2	x	1	x	21	x	22	924 Sft
General Surgery	2	x	1	x	21	x	22	924 Sft
Treatment	2	x	1	x	10	x	22	440 Sft
Toilet	2	x	1	x	10	x	22	440 Sft
Single Bed	2	x	1	x	10	x	15	300 Sft
Lobby	2	x	1	x	18	x	7	252 Sft
Staff Lounge	2	x	1	x	15	x	22	660 Sft

#### First Floor O.T Block

Bed lift	4	x	1	x	9	x	11	396 Sft
Recovery Room	1	x	1	x	21	x	22	462 Sft
Store	2	x	1	x	11	x	15	330 Sft
Clean Lobby	1	x	1	x	20	x	50	1000 Sft
Corridor	1	x	1	x	10-1/4	x	60	615 Sft
Nursing Station	2	x	1	x	12	x	10-1/2	252 Sft
Ent Hall	1	x	1	x	32	x	40	1280 Sft
Doctor Change	2	x	1	x	11	x	10	220 Sft

Total 64337 Sft

@ 89.35 P. Sft Rs. 5748511/-

### 24 Dismantling glazed or encaustic tiles, etc.

#### Floor

New Emergency	1	x	32	x	22	704 Sft
Strecher Ramp	1	x	50	x	8	400 Sft
Ent Hall Floor	1	x	20	x	10	200 Sft
Walls	2	x	32	x	4-3/4	304 Sft
	2	x	22	x	4-3/4	209 Sft
Wards	15	x	10	x	4-3/4	713 Sft
Strecher Ramp	2	x	50	x	5	500 Sft
Ent Hall Floor	1	x	20	x	5	100 Sft
Ward	15	x	8	x	8	960 Sft
Misc	1	x	32	x	5	160 Sft
Doors	170	x	2	x	2	3230 Sft
Columns	2	x	10	x	4	800 Sft

Total 8280 Sft

@ 1,932.50 % Sft Rs. 160011/-

### 25 Dismantling cement concrete plain 1:2:4.

#### Floor

New Emergency	1	x	32	x	22	x	1/8	88 Cft
Strecher Ramp	1	x	50	x	8	x	1/8	50 Cft
Ent Hall Floor	1	x	20	x	10	x	1/8	25 Cft

Total 163 Cft

@ 9,060.50 % Cft Rs. 14769/-

### 26 Dismantling mud concrete.

#### Floor

New Emergency	1	x	32	x	22	x	1/4	176 Cft
Strecher Ramp	1	x	50	x	8	x	1/4	100 Cft
Ent Hall Floor	1	x	20	x	10	x	1/4	50 Cft

Total 326 Cft

@ 1,647.35 % Cft Rs. 5370/-



27 Providing and laying watering ramming brick ballast 1-1/2" to 2" gauge mixed with 25% sand for floor and foundation complete in all respects.

**Floor**

New Emergency	1	x	32	x	22	x	1/4	176 Cft
Strecher Ramp	1	x	50	x	8	x	1/4	100 Cft
Ent Hall Floor	1	x	20	x	10	x	1/4	50 Cft

Total 326 Cft  
@ 5,161.30 % Cft

Rs. 16826/-

28 Providing and laying cement concrete plain i/c placing compacting curing etc complete ratio 1:2:4.

**Floor**

New Emergency	1	x	32	x	22	x	1/8	88 Cft
Strecher Ramp	1	x	50	x	8	x	1/8	50 Cft
Ent Hall Floor	1	x	20	x	10	x	1/8	25 Cft

Total 163 Cft  
@ 28,918.55 % Cft

Rs. 47137/-

29 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

(i) 400 mm x 400 mm

**Floor**

New Emergency	1	x	32	x	22			704 Sft
Strecher Ramp	1	x	50	x	8			400 Sft
Ent Hall Floor	1	x	20	x	10			200 Sft

**Skirting**

Walls	2	x	32	x	4-3/4			304 Sft
	2	x	22	x	4-3/4			209 Sft
Wards	15	x	10	x	4-3/4			713 Sft
Strecher Ramp	2	x	50	x	5			500 Sft
Ent Hall Floor	1	x	20	x	5			100 Sft
Ward	15	x	8	x	8			960 Sft
Misc	1	x	32	x	5			160 Sft
Doors	170	x	2	x	2	x	4-3/4	3230 Sft
Columns	2	x	10	x	4	x	5	800 Sft

Total 8280 Sft  
@ 260.70 P Sft

Rs. 2158596/-

30 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-

(3) Type C, (nominal mix 1:2:4)

**Bath Door Lintels & Vanity**

OPD Block	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	1	x	4	x	3/8	x	1/2	1 Cft
Door Lintels	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	1	x	4	x	3/8	x	1/2	1 Cft
Vanity Slab	16	x	2-1/2	x	2-3/4	x	1/4	28 Cft
Dental Ward	1	x	21	x	3/4	x	1/2	8 Cft
Above Window	2	x	8-1/4	x	3/4	x	1/2	6 Cft
Surgical Block	8	x	3-1/2	x	3/8	x	1/2	5 Cft
Door Lintels	1	x	4	x	3/4	x	1/2	2 Cft
Vanity Slab	9	x	2-1/2	x	2-3/4	x	1/4	15 Cft
Medical Block	8	x	3-1/2	x	3/8	x	1/2	5 Cft
Door Lintels	4	x	4	x	3/4	x	1/2	6 Cft
Vanity Slab	9	x	2-1/2	x	2-3/4	x	1/4	15 Cft
Admin Block	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	8	x	4	x	3/8	x	1/2	6 Cft
	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	1	x	4	x	3/8	x	1/2	1 Cft
Vanity Slab	8	x	2-1/2	x	2-3/4	x	1/4	14 Cft
X-Ray Block	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	6	x	4	x	3/8	x	1/2	5 Cft
	4	x	3-1/2	x	3/8	x	1/2	3 Cft
Door Lintels	8	x	4	x	3/8	x	1/2	6 Cft
Vanity Slab	6	x	2-1/2	x	2-3/4	x	1/4	10 Cft
Emergency Block	10	x	3-1/2	x	3/8	x	1/2	7 Cft
Vanity Slab	9	x	2-1/2	x	2-3/4	x	1/4	15 Cft

Counter Slab	4	x	6	x	2-3/4	x	1/4	17 Cft
Chest Block	10	x	3-1/2	x	3/8	x	1/2	7 Cft
Counter Slab	4	x	6	x	2-3/4	x	1/4	17 Cft
Vanity Slab	7	x	2-1/2	x	2-3/4	x	1/4	12 Cft
Gyne Block	10	x	3-1/2	x	3/8	x	1/2	7 Cft
Vanity Slab	6	x	2-1/2	x	2-3/4	x	1/4	10 Cft
Peeds Ward	11	x	3-1/2	x	3/8	x	1/2	7 Cft
Counter Slab	4	x	6	x	2-3/4	x	1/4	17 Cft
Vanity Slab	12	x	2-1/2	x	2-3/4	x	1/4	21 Cft
ICU	7	x	3-1/2	x	3/8	x	1/2	5 Cft

Total 294 Cft

@ 471.80 P Cft Rs. 138709/-

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

(b) deformed bars (Grade 40)

Lintels	1	x	294	x	6.75	x	0.4536	900 Kgs
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Total 900 Kgs

@ 25,962.00 % Kgs Rs. 233658/-

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

i) China Verona

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

W-2	18	x	2	x	1-1/2	54 Sft
W-5	2	x	5	x	1-1/2	15 Sft
W-6	13	x	6	x	1-1/2	117 Sft
C.W-1	6	x	2	x	1-1/2	18 Sft
C.W-2	10	x	3	x	1-1/2	45 Sft

**Ground Floor (X-RAY Block)**

W-6	10	x	6	x	1-1/2	90 Sft
W-2	10	x	2	x	1-1/2	30 Sft
W-5	2	x	5	x	1-1/2	15 Sft
C.W-1	2	x	2	x	1-1/2	6 Sft
C.W-2	4	x	3	x	1-1/2	18 Sft

**First Floor (Admin Block)**

W-6	14	x	6	x	1-1/2	126 Sft
W-2	14	x	2	x	1-1/2	42 Sft
W-5	2	x	5	x	1-1/2	15 Sft
C.W-1	4	x	2	x	1-1/2	12 Sft
C.W-2	10	x	3	x	1-1/2	45 Sft

**Middle Portion**

**Ground Floor(Emergency Block)**

W-6	4	x	6	x	1-1/2	36 Sft
W-2	11	x	2	x	1-1/2	33 Sft
W-4	3	x	4	x	1-1/2	18 Sft
W-8	1	x	8	x	1-1/2	12 Sft
C.W-1	8	x	2	x	1-1/2	24 Sft
C.W-2	4	x	3	x	1-1/2	18 Sft

**Gyne Block**

W-6	4	x	6	x	1-1/2	36 Sft
W-2	12	x	2	x	1-1/2	36 Sft
W-4	3	x	4	x	1-1/2	18 Sft
W-5	1	x	5	x	1-1/2	8 Sft
W-8A	4	x	8	x	1-1/2	48 Sft
C.W-1	5	x	2	x	1-1/2	15 Sft
C.W-2	2	x	3	x	1-1/2	9 Sft

**First Floor (Chest Block)**

W-2	7	x	2	x	1-1/2	21 Sft
W-4	7	x	4	x	1-1/2	42 Sft
W-8	1	x	8	x	1-1/2	12 Sft
C.W-1	4	x	2	x	1-1/2	12 Sft
C.W-2	4	x	3	x	1-1/2	18 Sft

**Peeds Block**

W-6	7	x	6	x	1-1/2	63 Sft
W-2	12	x	2	x	1-1/2	36 Sft
W-4	8	x	4	x	1-1/2	48 Sft

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W-4A	3	x	4	x	1-1/2	18 Sft
W-5	3	x	5	x	1-1/2	23 Sft
W-8	2	x	8	x	1-1/2	24 Sft
C.W-1	8	x	2	x	1-1/2	24 Sft
C.W-2	7	x	3	x	1-1/2	32 Sft
<b>Third Portion</b>						
<b>Ground Floor (Medical Block)</b>						
W-6	8	x	6	x	1-1/2	72 Sft
W-2	5	x	2	x	1-1/2	15 Sft
W-4A	5	x	4	x	1-1/2	30 Sft
W-5	2	x	5	x	1-1/2	15 Sft
W-8A	4	x	8	x	1-1/2	48 Sft
C.W-1	2	x	2	x	1-1/2	6 Sft
C.W-2	4	x	3	x	1-1/2	18 Sft
<b>ICU Block</b>						
W-6	6	x	6	x	1-1/2	54 Sft
W-2	3	x	2	x	1-1/2	9 Sft
W-4A	4	x	4	x	1-1/2	24 Sft
C.W-2	3	x	3	x	1-1/2	14 Sft
<b>First Floor (Surgical Block)</b>						
W-6	7	x	6	x	1-1/2	63 Sft
W-2	5	x	2	x	1-1/2	15 Sft
W-4A	4	x	4	x	1-1/2	24 Sft
W-5	2	x	5	x	1-1/2	15 Sft
W-8A	4	x	8	x	1-1/2	48 Sft
C.W-2	4	x	3	x	1-1/2	18 Sft
<b>OT Block</b>						
W-6	16	x	6	x	1-1/2	144 Sft
W-2	10	x	2	x	1-1/2	30 Sft
W-5	2	x	5	x	1-1/2	15 Sft
W-8	1	x	8	x	1-1/2	12 Sft
W-8A	3	x	8	x	1-1/2	36 Sft
C.W-2	2	x	3	x	1-1/2	9 Sft
<b>Dental Block</b>						
W-6	7	x	6	x	1-1/2	63 Sft
W-3	1	x	3	x	1-1/2	5 Sft
<b>Corridor &amp; Dispensary</b>						
W-8 (G.F)	12	x	8	x	1-1/2	144 Sft
W-8 (F.F)	12	x	8	x	1-1/2	144 Sft
W-10	8	x	8	x	1-1/2	96 Sft

Total 2518 Sft

@ 369.35 P. Sft Rs. 930023/-

33 Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with special valves.

i) Light Quality

a) 3/4" i/d (20 mm) 2.35mm thick

Fan Rod

10	x	50	500 Rft
4	x	30	120 Rft

Total 620 Rft

@ 170.65 P Rft Rs.105803/-

34 Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects:-

a) 4" i/d (100 mm)

12	x	6	x	26	1872 Rft
1	x	43	x	15	645 Rft

Total 2517 Rft

@ 382.70 P Rft Rs.963256/-

ii) 3" i/d (75 mm)

12	x	6	x	20	1440 Rft
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Total 1440 Rft

@ 251.30 P Rft Rs.361872/-

iii) 2" i/d (50mm)

50	x	13	650 Rft
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Total 650 Rft

@ 177.15 P.Rft Rs.115148/-



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- 35 Providing and installing P.V.C. bends, of B.S.S.  
i) Class 'B' working pressure:-  
a) 4" i/d (100 mm)

11 x 15 165 Nos

Total 165 Nos

@ 477.35 Each Rs.78763/-

ii) 3" i/d (75 mm)

2 x 9 18 Nos

Total 18 Nos

@ 288.95 Each Rs.5201/-

- 36 Providing and installing P.V.C. Tees of B.S.S.  
i) Class 'B' working pressure:-  
a) 4" i/d (100 mm)

11 x 12 132 Nos

Total 132 Nos

@ 1355.50 Each Rs.178926/-

ii) 3" i/d (75 mm)

3 x 5 15 Nos

Total 15 Nos

@ 782.65 Each Rs.11740/-

- 37 3/8" thick cement plaster under soffit of RCC roof slab (1:3).

3 x 350 x 4 4200 Sft

Total 4200 Sft

@ 2,955.85 % Sft Rs. 124146/-

- 38 Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw, 1.5 in (40 mm) long to cover construction joints vertically:-  
i) G.I. sheet, 18 SWG

Curved on joint

12 x 60 720 Rft

Total 720 Rft

@ 199.45 P Rft Rs.143604/-

- 39 Painting to guard bars gate of iron bars grating railing similar open work two coats on old surface.

Stair Railing

6 x 60 x 4 1440 Sft

Total 1440 Sft

@ 824.80 % Sft Rs.11877/-

Cost of Old Material

a) Doors with chowkal

Total Rs.30124226/-

4126 Sft

Total 4126 Sft

@ 96.00 P. Sft Rs. 396096/-

b) Window i/c grills

Total 7,617 Sft

@ 95.00 P Sft Rs. 723615/-

Total Deduction Rs. 1119711/-

Rs. 30124226/-

Rs. 1119711/-

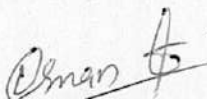
Balance Rs. 29004515/-

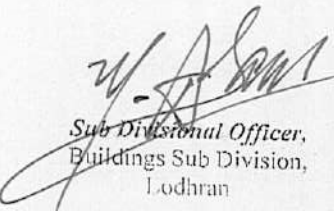
Total Rs. 29004511


Add 03% for Contingencies Rs. 870135/

Total Rs. 29874650

Say Rs. 29874600

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

(48)

**DETAILED ESTIMATE FOR THE WORK PROVISION OF ADDITIONAL ITMES OF MAIN BUILDING (D)  
HOSPITAL).**

- 1 Supply and erection of LED light recessed type round shape (59466 MESON 17 watt, 6" dia) Philips or equivalent with back box complete in all respect as approved by the Client / Engineer Incharge.

791 Nos  
**Total** 791 Nos

@ 2124.00 Each Rs.1680084/-

- 2 Supply and erection of LED light recessed type round shape (59471 MESON 24 watt, 8" dia) Philips or equivalent with back box complete in all respect as approved by the Client / Engineer Incharge.

12 110 1320 Nos

**Total** 1320 Nos

@ 2744.00 Each Rs.3622080/-

- 3 Providing and fixing M.S Grill in Verandah Opening consisting of 1-1/2"x1-1/2", 18 SWG M.S box pipe frame and 3/8"x3/8" M.S sq bars 4" c/c welded to each and other and frame horizontally / vertically as per approved drawing and desing in Verandah Opening i/c hold fast in cement concrete 1:2:4 ratio and enemal painting 3-coats with red oxide paint complete in all respects as approved and directed by Engineer-in-charge.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

W-2	18	x	2	x	5	
W-5	2	x	5	x	5	180 Sft
W-6	13	x	6	x	5	50 Sft
C.W-1	6	x	2	x	2	390 Sft
C.W-2	10	x	3	x	2	24 Sft
						60 Sft

**Ground Floor (X-RAY Block)**

W-6	10	x	6	x	5	
W-2	10	x	2	x	5	300 Sft
W-5	2	x	5	x	5	100 Sft
C.W-1	2	x	2	x	2	50 Sft
C.W-2	4	x	3	x	2	8 Sft
						24 Sft

**First Floor (Admin Block)**

W-6	14	x	6	x	5	
W-2	14	x	2	x	5	420 Sft
W-5	2	x	5	x	5	140 Sft
C.W-1	4	x	2	x	2	50 Sft
C.W-2	10	x	3	x	2	16 Sft
						60 Sft

**Middle Portion**

**Ground Floor(Emergency Block)**

W-6	4	x	6	x	5	
W-2	11	x	2	x	5	120 Sft
W-4	3	x	4	x	5	110 Sft
W-8	1	x	8	x	5	60 Sft
C.W-1	8	x	2	x	2	40 Sft
C.W-2	4	x	3	x	2	32 Sft
						24 Sft

**Gyne Block**

W-6	4	x	6	x	5	
W-2	12	x	2	x	5	120 Sft
W-4	3	x	4	x	5	120 Sft
W-5	1	x	5	x	5	60 Sft
W-8A	4	x	8	x	3	25 Sft
C.W-1	5	x	2	x	2	96 Sft
C.W-2	2	x	3	x	2	20 Sft
						12 Sft

**First Floor (Chest Block)**

W-2	7	x	2	x	5	
W-4	7	x	4	x	5	70 Sft
W-8	1	x	8	x	5	140 Sft
C.W-1	4	x	2	x	2	40 Sft
C.W-2	4	x	3	x	2	16 Sft
						24 Sft

**Peeds Block**

W-6	7	x	6	x	5	
W-2	12	x	2	x	5	210 Sft
W-4	8	x	4	x	5	120 Sft
W-4A	3	x	4	x	3	160 Sft
W-5	3	x	5	x	5	36 Sft
						75 Sft



W-8	2	x	8	x	5	80 Sft
C.W-1	8	x	2	x	2	32 Sft
C.W-2	7	x	3	x	2	42 Sft
<b>Third Portion</b>						
<b>Ground Floor (Medical Block)</b>						
W-6	8	x	6	x	5	240 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	5	x	4	x	3	60 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	4	x	8	x	3	96 Sft
C.W-1	2	x	2	x	2	8 Sft
C.W-2	4	x	3	x	2	24 Sft
<b>ICU Block</b>						
W-6	6	x	6	x	5	180 Sft
W-2	3	x	2	x	5	30 Sft
W-4A	4	x	4	x	3	48 Sft
C.W-2	3	x	3	x	2	18 Sft
<b>First Floor (Surgical Block)</b>						
W-6	7	x	6	x	5	210 Sft
W-2	5	x	2	x	5	50 Sft
W-4A	4	x	4	x	3	48 Sft
W-5	2	x	5	x	5	50 Sft
W-8A	1	x	8	x	3	96 Sft
C.W-2	4	x	3	x	2	24 Sft
<b>OT Block</b>						
W-6	16	x	6	x	5	480 Sft
W-2	10	x	2	x	5	100 Sft
W-5	2	x	5	x	5	50 Sft
W-8	1	x	8	x	5	40 Sft
W-8A	3	x	8	x	3	72 Sft
C.W-2	2	x	3	x	2	12 Sft
<b>Dental Block</b>						
W-6	7	x	6	x	5	210 Sft
W-3	1	x	3	x	5	15 Sft
<b>Corridor &amp; Dispensary</b>						
W-8 (G.F)	12	x	8	x	5	480 Sft
W-8 (F.F)	12	x	8	x	5	480 Sft
W-10	8	x	8	x	10	640 Sft

**Total** 7617 Sft  
 @ 390.00 P. Sft Rs. 2970630/-

4 Providing and fixing stainless steel edge protection 2-1/2"x2-1/2", 20-SWG i/c fixing with silicone / Jelly on porcelain tile dado corners complete in all respects as approved by the Engineer-in-charge.

<b>1st Portion (OPD, DIAGNOSTIC, ADMIN)</b>						
<b>Ground Floor (OPD Block)</b>						
Walls / Pillars Corner	20	x	1	x	4-3/4	95 Rft
Toilet Block Corners	30	x	1	x	7-1/2	225 Rft
Bath Corners	12	x	1	x	7	84 Rft
<b>Ground Floor (X-RAY Block)</b>						
Walls / Pillars Corner	31	x	1	x	4-3/4	147 Rft
Toilet Block Corners	25	x	1	x	7-1/2	188 Rft
Bath Corners	11	x	1	x	7	77 Rft
<b>First Floor (Admin Block)</b>						
Walls / Pillars Corner	20	x	1	x	4-3/4	95 Rft
Toilet Block Corners	30	x	1	x	7-1/2	225 Rft
Bath Corners	12	x	1	x	7	84 Rft
<b>Middle Portion</b>						
<b>Ground Floor (Emergency Block)</b>						
Walls / Pillars Corner	18	x	1	x	4-3/4	86 Rft
Toilet Block Corners	30	x	1	x	7-1/2	225 Rft
Bath Corners	12	x	1	x	7	84 Rft
<b>Gyne Block</b>						
Walls / Pillars Corner	21	x	1	x	4-3/4	100 Rft
Bath Corners	12	x	1	x	7	84 Rft
<b>First Floor (Chest Block)</b>						
Walls / Pillars Corner	25	x	1	x	4-3/4	119 Rft
Toilet Block Corners	24	x	1	x	7-1/2	180 Rft
Bath Corners	13	x	1	x	7	91 Rft
<b>Peeds Block</b>						
Walls / Pillars Corner	16	x	1	x	4-3/4	76 Rft
Toilet Block Corners	33	x	1	x	7-1/2	248 Rft
Bath Corners	9	x	1	x	7	63 Rft
<b>Third Portion</b>						
<b>Ground Floor (Medical Block)</b>						
Walls / Pillars Corner	23	x	1	x	4-3/4	109 Rft

Toilet Block Corners	29	x	1	x	7-1/2	218 Rft
Bath Corners	16	x	1	x	7	112 Rft
ICU Block						
Walls / Pillars Corner	27	x	1	x	4-3/4	128 Rft
First Floor (Surgical Block)						
Walls / Pillars Corner	28	x	1	x	4-3/4	133 Rft
Toilet Block Corners	24	x	1	x	7-1/2	180 Rft
Bath Corners	12	x	1	x	7	84 Rft
OT Block						
Walls / Pillars Corner	22	x	1	x	4-3/4	105 Rft
Dental Block						
Walls / Pillars Corner	20	x	1	x	5-1/4	105 Rft
	12	x	1	x	4-3/4	57 Rft

Total 3807 Rft

@ 755.00 P Rft Rs.2874285

- 5 Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static, Homogeneous, with best abrasion resistance, best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Operation Theaters	2	x	32-1/4	x	21-1/4	1371 Sft
	1	x	21-1/4	x	21-1/4	452 Sft
	1	x	25-3/4	x	21-1/4	547 Sft

Total 2370 Sft

@ 1134.00 P Sft Rs.2687580

- 6 Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resist to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge

Operation Theater	2	x	32-1/4	x	10-1/4	661 Sft
	2	x	21-1/4	x	10-1/4	436 Sft
	2	x	21-1/4	x	10-1/4	436 Sft
	2	x	26	x	10-1/4	533 Sft
	2	x	21-1/4	x	10-1/4	436 Sft

Total 2502 Sft

@ 1890.00 P Sft Rs.4728780

- 7 Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm in OTs complete in all respects and as approved by the Engineer Incharge.

Operation Theater	2	x	32-1/4	x	21-1/4	1371 Sft
	1	x	21-1/4	x	21-1/4	452 Sft
	1	x	26	x	21-1/4	553 Sft

Total 2376 Sft

@ 945.00 P Sft Rs.2245320

- 8 Providing and laying at site of work Granit marble on stair steps etc complete in all respects as approved by the Engineer-in-charge.

1st Portion (OPD, DIAGNOSTIC, ADMIN)

Vanity						
Vanity Slab	16	x	2-1/2	x	2-3/4	110 Sft
Surgical Block						
Vanity Slab	9	x	2-1/2	x	2-3/4	62 Sft
Medical Block						
Vanity Slab	9	x	2-1/2	x	2-3/4	62 Sft
Admin Block						
Vanity Slab	8	x	2-1/2	x	2-3/4	55 Sft
X-Ray Block						
Vanity Slab	6	x	2-1/2	x	2-3/4	41 Sft
Emergency Block						

Vanity Slab	9	x	2-1/2	x	2-3/4	62 Sft
Counter Slab	2	x	9-1/4	x	3	56 Sft
	1	x	5-1/4	x	3	16 Sft
	1	x	5-1/4	x	3	16 Sft
Chest Block						
Vanity Slab	7	x	2-1/2	x	2-3/4	48 Sft
Gyne Block						
Vanity Slab	6	x	2-1/2	x	2-3/4	41 Sft
Peeds Ward						
Vanity Slab	12	x	2-1/2	x	2-3/4	83 Sft
Counter Slab	1	x	9-1/4	x	3	28 Sft
Ent Steps	3	x	20	x	1-1/4	75 Sft

Total 755 Sft  
 @ 761.00 P. Sft Rs. 574555/-

- 9 Providing and Fixing Stainless Steel Non-Magnetic Railing consisting of main pipe 2" dia 16 SWG imported (China) & 2'-9" height balustrades @ 2' c/c consisting of 1-1/2" dia stainless steel pipes i/c 1/2" dia 16-SWG 3-Nos. stainless steel pipes longitudinally passing in with bottom stainless steel "Tiki" & cover, fixing with rowal bolt (3" to 2-1/2" long) i/c steel polishing etc complete in all respect as approved by the Engineer Incharge.

1 x 2 x 45 90 Rft

Total 90 Rft

@ 2038.00 P Rft Rs.183420/-

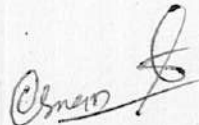
- 10 Providing and fixing Non Slippery Dots floor tile size 12"x12"x3/8" thick over 3/4" thick cement sand mortar 1:2 i/c joints with white cement and match pigment complete as per approved by the Engineer Incharge. (MASTER or Equivalent)

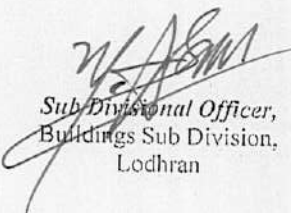
In side Hospital Ramp	1	x	60	x	10	600 Sft
Entrance Ramp	2	x	11	x	6	132 Sft

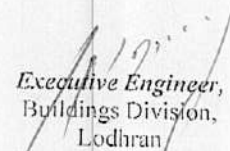
Total 732 Sft  
 @ 209.00 P Sft Rs. 152988/-

Total Rs. 21719722/-

Say Rs. 21719700/-

  
 Sub Engineer

  
 Sub Divisional Officer,  
 Buildings Sub Division,  
 Lodhran

  
 Executive Engineer,  
 Buildings Division,  
 Lodhran



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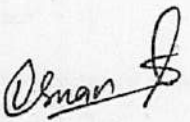
DETAILED ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF  
ALL DHQ/15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
HOSPITAL LODHRAN (ADP SCHEME NO.1013/2021-22)"

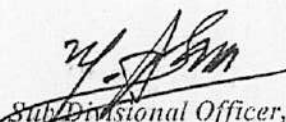
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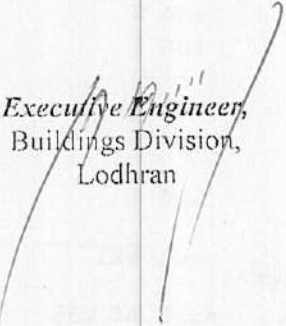
As Per MRS 1st Bi-Annual 2022 (1st January, 2022 to 30th June, 2022)

ABSTRACT OF COST (WASH ROOM)

1	Renovation of Wash Room				
		1 -Job	@	Rs.9454400/- P Job	Rs.9454400/-
2	Provision of Additional Items				
		1 -Job	@	Rs.5227300/- P Job	Rs.5227300/-
Total					Rs.14681700/-
Say					Rs.14681700/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

54

			2	x	2		x	5	x	7-1/2	150 Sft
			1	x	2		x	7	x	7-1/2	105 Sft
			1	x	2		x	3-1/2	x	7-1/2	53 Sft
			2	x	2		x	5	x	7-1/2	150 Sft
			2	x	2		x	5	x	7-1/2	150 Sft
			2	x	2		x	11	x	7-1/2	330 Sft
<b>Middle Portion</b>											
Ground Floor(Emergency Block)											
Toilet Block Floor											
					1		x	10-1/4	x	14-1/4	146 Sft
					1		x	7-1/4	x	10-1/4	74 Sft
					1		x	7-1/4	x	6	44 Sft
					1		x	10-1/4	x	6-1/2	67 Sft
Attach Bath					2		x	4-1/4	x	7	60 Sft
Outer walls	1	x	2	(	10 1/4	+	14 1/4	)	8		392 Sft
	1	x	2	(	7 1/4	+	10 1/4	)	8		280 Sft
	1	x	2	(	7 1/4	+	6	)	8		212 Sft
	1	x	2	(	10 1/4	+	6 1/2	)	8		268 Sft
Attach Bath	2	x	2	(	4 1/4	+	7	)	8		360 Sft
Inside Walls			5	x	2		x	6	x	8	480 Sft
			8	x	2		x	4	x	8	512 Sft
Gyne Block											
Toilet Block Floor											
					1		x	21-1/2	x	10-1/4	220 Sft
Attach Bath					3		x	8	x	5	120 Sft
Outer walls	1	x	2	(	21 1/2	+	10 1/4	)	7-1/2		476 Sft
	3	x	2	(	8	+	5	)	7-1/2		585 Sft
Inside Walls			2	x	2		x	10-1/4	x	7-1/2	308 Sft
			4	x	2		x	5	x	7-1/2	300 Sft
			6	x	2		x	4	x	7-1/2	360 Sft
First Floor (Chest Block)											
Toilet Block Floor											
					1		x	21-1/4	x	11-1/2	244 Sft
Attach Bath					3		x	5	x	7	105 Sft
Outer walls	1	x	2	(	21 1/4	+	11 1/2	)	7-1/2		491 Sft
	3	x	2	(	5	+	7	)	7-1/2		540 Sft
Inside Walls			4	x	2		x	5	x	7-1/2	300 Sft
			5	x	2		x	4	x	7-1/2	300 Sft
Peeds Block											
Toilet Block Floor											
					1		x	21-1/4	x	11-3/4	250 Sft
					1		x	23	x	11-3/4	270 Sft
Attach Bath					3		x	5	x	7	105 Sft
Outer walls	1	x	2	(	21 1/4	+	11 3/4	)	7-1/2		495 Sft
Outer walls	1	x	2	(	23	+	11 3/4	)	7-1/2		521 Sft
	3	x	2	(	5	+	7	)	7-1/2		540 Sft
Inside Walls			9	x	2		x	6	x	7-1/2	810 Sft
			10	x	2		x	4	x	7-1/2	600 Sft
<b>Third Portion</b>											
Ground Floor (Medical Block)											
Toilet Block Floor											
					2		x	10-1/4	x	21-1/4	436 Sft
Attach Bath					3		x	5	x	6	90 Sft
Outer walls	1	x	2	(	10 1/4	+	21 1/4	)	7-1/2		473 Sft
	3	x	2	(	5	+	6	)	7-1/2		495 Sft
Inside Walls			6	x	2		x	6	x	7-1/2	540 Sft
			8	x	2		x	4	x	7-1/2	480 Sft
ICU Block											
Dirty Room Floor											
					1		x	10-1/4	x	10-1/4	105 Sft
Attach Bath					2		x	5	x	6	60 Sft
Outer walls	1	x	2	(	10 1/4	+	10 1/4	)	7-1/2		308 Sft
	2	x	2	(	5	+	6	)	7-1/2		330 Sft
First Floor (Surgical Block)											
Toilet Block Floor											
					2		x	10-1/4	x	21-1/4	436 Sft
Attach Bath					3		x	5	x	6	90 Sft
Outer walls	2	x	2	(	10 1/4	+	21 1/4	)	7-1/2		945 Sft
	3	x	2	(	5	+	6	)	7-1/2		495 Sft
Inside Walls			6	x	2		x	5	x	7-1/2	450 Sft
			4	x	2		x	10-1/4	x	7-1/2	615 Sft
OT Block											
Dirty Room Floor											
					1		x	10-1/4	x	10-1/4	105 Sft
Outer walls	1	x	2	(	10 1/4	+	10 1/4	)	7-1/2		308 Sft
Mosque											
Bath											
					3		x	6	x	5	90 Sft
Outer walls	3	x	2	(	6	+	5	)	7-1/2		495 Sft

Total 27505 Sft  
@ 1,932.50 % Sft Rs. 531534/-

3 Dismantling cement concrete plain 1:2:4.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	10	x	5	x	7	x	1/8	4 Cft

Ground Floor (X-RAY Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	1	x	5	x	6	x	1/8	4 Cft

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	1	x	5	x	6	x	1/8	4 Cft

**Middle Portion**

Ground Floor (Emergency Block)

Toilet Block Floor	1	x	10-1/4	x	14-1/4	x	1/8	18 Cft
	1	x	7-1/4	x	10-1/4	x	1/8	9 Cft
	1	x	7-1/4	x	6	x	1/8	5 Cft
	1	x	10-1/4	x	6-1/2	x	1/8	8 Cft
Attach Bath	2	x	4-1/4	x	7	x	1/8	4 Cft

Gyne Block

Toilet Block Floor	1	x	21-1/2	x	10-1/4	x	1/8	28 Cft
Attach Bath	3	x	8	x	5	x	1/8	5 Cft

First Floor (Chest Block)

Toilet Block Floor	1	x	21-1/4	x	11-1/2	x	1/8	31 Cft
Attach Bath	3	x	5	x	7	x	1/8	4 Cft

Peeds Block

Toilet Block Floor	1	x	21-1/4	x	11-3/4	x	1/8	31 Cft
	1	x	23	x	11-3/4	x	1/8	34 Cft
Attach Bath	3	x	5	x	7	x	1/8	4 Cft

**Third Portion**

Ground Floor (Medical Block)

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/8	27 Cft
Attach Bath	3	x	5	x	6	x	1/8	4 Cft

ICU Block

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/8	13 Cft
Attach Bath	2	x	5	x	6	x	1/8	4 Cft

First Floor (Surgical Block)

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/8	27 Cft
Attach Bath	3	x	5	x	6	x	1/8	4 Cft

OT Block

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/8	13 Cft
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Mosque

Bath	3	x	6	x	5	x	1/8	4 Cft
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Total 361 Cft  
@ 9,060.50 % Cft Rs. 32708/-

4 Dismantling mud concrete.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	10	x	5	x	7	x	1/4	9 Cft

Ground Floor (X-RAY Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	1	x	5	x	6	x	1/4	8 Cft

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	1	x	5	x	6	x	1/4	8 Cft

**Middle Portion**

Ground Floor (Emergency Block)

Toilet Block Floor	1	x	10-1/4	x	14-1/4	x	1/4	37 Cft
	1	x	7-1/4	x	10-1/4	x	1/4	19 Cft
	1	x	7-1/4	x	6	x	1/4	11 Cft
	1	x	10-1/4	x	6-1/2	x	1/4	17 Cft
Attach Bath	2	x	4-1/4	x	7	x	1/4	7 Cft

Gyne Block

Toilet Block Floor	1	x	21-1/2	x	10-1/4	x	1/4	55 Cft
Attach Bath	3	x	8	x	5	x	1/4	10 Cft

First Floor (Chest Block)

Toilet Block Floor	1	x	21-1/4	x	11-1/2	x	1/4	61 Cft
Attach Bath	3	x	5	x	7	x	1/4	9 Cft

Peeds Block



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Toilet Block Floor	1	x	21 1/4	x	11-3/4	x	1/4	62 Cft
	1	x	23	x	11-3/4	x	1/4	68 Cft
Attach Bath	3	x	5	x	7	x	1/4	9 Cft

**Third Portion**

**Ground Floor (Medical Block)**

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/4	54 Cft
Attach Bath	3	x	5	x	6	x	1/4	8 Cft

**ICU Block**

Dirty Room Floor	1	x	10 1/4	x	10-1/4	x	1/4	26 Cft
Attach Bath	2	x	5	x	6	x	1/4	8 Cft

**First Floor (Surgical Block)**

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/4	54 Cft
Attach Bath	3	x	5	x	6	x	1/4	8 Cft

**OT Block**

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/4	26 Cft
Mosque								
Bath	3	x	6	x	5	x	1/4	8 Cft

<b>Total</b>	<b>723 Cft</b>	
@	1,647.35 % Cft	Rs. 11910/-

- 5 Providing and laying watering running brick ballast 1-1/2" to 2" gauge mixed with 25% sand for floor and foundation complete in all respects.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	10	x	5	x	7	x	1/4	9 Cft

**Ground Floor (X-RAY Block)**

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	1	x	5	x	6	x	1/4	8 Cft

**First Floor (Admin Block)**

Toilet Block Floor	2	x	11	x	17-1/4	x	1/4	47 Cft
Attach Bath Floor	1	x	5	x	6	x	1/4	8 Cft

**Middle Portion**

**Ground Floor (Emergency Block)**

Toilet Block Floor	1	x	10-1/4	x	14-1/4	x	1/4	37 Cft
	1	x	7-1/4	x	10-1/4	x	1/4	19 Cft
	1	x	7-1/4	x	6	x	1/4	11 Cft
	1	x	10-1/4	x	6-1/2	x	1/4	17 Cft
Attach Bath	2	x	4-1/4	x	7	x	1/4	7 Cft

**Gyne Block**

Toilet Block Floor	1	x	21-1/2	x	10-1/4	x	1/4	55 Cft
Attach Bath	3	x	8	x	5	x	1/4	10 Cft

**First Floor (Chest Block)**

Toilet Block Floor	1	x	21-1/4	x	11-1/2	x	1/4	61 Cft
Attach Bath	3	x	5	x	7	x	1/4	9 Cft

**Peeds Block**

Toilet Block Floor	1	x	21-1/4	x	11-3/4	x	1/4	62 Cft
	1	x	23	x	11-3/4	x	1/4	68 Cft
Attach Bath	3	x	5	x	7	x	1/4	9 Cft

**Third Portion**

**Ground Floor (Medical Block)**

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/4	54 Cft
Attach Bath	3	x	5	x	6	x	1/4	8 Cft

**ICU Block**

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/4	26 Cft
Attach Bath	2	x	5	x	6	x	1/4	8 Cft

**First Floor (Surgical Block)**

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/4	54 Cft
Attach Bath	3	x	5	x	6	x	1/4	8 Cft

**OT Block**

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/4	26 Cft
Mosque								
Bath	3	x	6	x	5	x	1/4	8 Cft

<b>Total</b>	<b>723 Cft</b>	
@	3,161.30 % Cft	Rs. 37316/-

- 6 Providing and laying cement concrete plain i/c placing compacting curing etc complete ratio 1:2:4.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	10	x	5	x	7	x	1/8	4 Cft

Ground Floor (X RAY Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	1	x	5	x	6	x	1/8	4 Cft

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4	x	1/8	24 Cft
Attach Bath Floor	1	x	5	x	6	x	1/8	4 Cft

**Middle Portion**

Ground Floor (Emergency Block)

Toilet Block Floor	1	x	10 1/4	x	14-1/4	x	1/8	18 Cft
	1	x	7-1/4	x	10-1/4	x	1/8	9 Cft
	1	x	7-1/4	x	6	x	1/8	5 Cft
	1	x	10-1/4	x	6-1/2	x	1/8	8 Cft
Attach Bath	2	x	4-1/4	x	7	x	1/8	4 Cft

Gyne Block

Toilet Block Floor	1	x	21-1/2	x	10-1/4	x	1/8	28 Cft
Attach Bath	3	x	8	x	5	x	1/8	5 Cft

First Floor (Chest Block)

Toilet Block Floor	1	x	21 1/4	x	11-1/2	x	1/8	31 Cft
Attach Bath	3	x	5	x	7	x	1/8	4 Cft

Peeds Block

Toilet Block Floor	1	x	21-1/4	x	11-3/4	x	1/8	31 Cft
	1	x	23	x	11-3/4	x	1/8	34 Cft
Attach Bath	3	x	5	x	7	x	1/8	4 Cft

**Third Portion**

Ground Floor (Medical Block)

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/8	27 Cft
Attach Bath	3	x	5	x	6	x	1/8	4 Cft

ICU Block

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/8	13 Cft
Attach Bath	2	x	5	x	6	x	1/8	4 Cft

First Floor (Surgical Block)

Toilet Block Floor	2	x	10-1/4	x	21-1/4	x	1/8	27 Cft
Attach Bath	3	x	5	x	6	x	1/8	4 Cft

OT Block

Dirty Room Floor	1	x	10-1/4	x	10-1/4	x	1/8	13 Cft
Mosque								
Bath	3	x	6	x	5	x	1/8	4 Cft

Total 361 Cft  
@ 28,918.55 % Cft Rs. 104396/-

- 7 Providing and laying superb quality Ceramic tile floors of Maste 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 joint /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"

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)

Toilet Block Floor	2	x	11	x	17-1/4		190 Sft
Attach Bath Floor	10	x	5	x	7		35 Sft

Ground Floor (X-RAY Block)

Toilet Block Floor	2	x	11	x	17-1/4		190 Sft
Attach Bath Floor	1	x	5	x	6		30 Sft

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4		190 Sft
Attach Bath Floor	1	x	5	x	6		30 Sft

**Middle Portion**

Ground Floor (Emergency Block)

Toilet Block Floor	1	x	10-1/4	x	14-1/4		146 Sft
	1	x	7-1/4	x	10-1/4		74 Sft
	1	x	7-1/4	x	6		44 Sft
	1	x	10-1/4	x	6-1/2		67 Sft
Attach Bath	2	x	4-1/4	x	7		30 Sft



Gyne Block						
Toilet Block Floor	1	x	21-1/2	x	10-1/4	220 Sft
Attach Bath	3	x	8	x	5	40 Sft
First Floor (Chest Block)						
Toilet Block Floor	1	x	21-1/4	x	11-1/2	244 Sft
Attach Bath	3	x	5	x	7	35 Sft
Peeds Block						
Toilet Block Floor	1	x	21 1/4	x	11-3/4	250 Sft
	1	x	23	x	11-3/4	270 Sft
Attach Bath	3	x	5	x	7	35 Sft
Third Portion						
Ground Floor (Medical Block)						
Toilet Block Floor	2	x	10-1/4	x	21-1/4	218 Sft
Attach Bath	3	x	5	x	6	30 Sft
ICU Block						
Dirty Room Floor	1	x	10-1/4	x	10-1/4	105 Sft
Attach Bath	2	x	5	x	6	30 Sft
First Floor (Surgical Block)						
Toilet Block Floor	2	x	10-1/4	x	21-1/4	218 Sft
Attach Bath	3	x	5	x	6	30 Sft
OT Block						
Dirty Room Floor	1	x	10-1/4	x	10-1/4	105 Sft
Mosque						
Bath	3	x	6	x	5	30 Sft
Deductions						
W.C.			65	x	1 1/3 x 1 5/6	-158 Sft

Total 2728 Sft  
@ 202.70 P Sft Rs. 552966/-

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

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

Ground Floor (OPD Block)						
Outer walls	2	x	( 11	+ 17 1/4 )	7	791 Sft
Inner Walls			3 x 2	x 11	x 7-1/4	479 Sft
			7 x 2	x 5	x 7-1/4	508 Sft
Attach Bath Walls	10	x	2 ( 5	+ 7 )	7	1680 Sft
Ground Floor (X-RAY Block)						
Outer walls	2	x	( 11	+ 17 1/4 )	7-1/2	848 Sft
Inner Walls			1 x 2	x 7-1/4	x 7-1/2	109 Sft
			2 x 2	x 4-3/4	x 7-1/2	143 Sft
			2 x 2	x 4	x 7-1/2	120 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			1 x 2	x 7	x 7-1/2	105 Sft
			1 x 2	x 3-1/2	x 7-1/2	53 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			2 x 2	x 11	x 7-1/2	330 Sft
First Floor (Admin Block)						
Outer walls	2	x	( 11	+ 17 1/4 )	7-1/2	848 Sft
Inner Walls			1 x 2	x 7-1/4	x 7-1/2	109 Sft
			2 x 2	x 4-3/4	x 7-1/2	143 Sft
			2 x 2	x 4	x 7-1/2	120 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			1 x 2	x 7	x 7-1/2	105 Sft
			1 x 2	x 3-1/2	x 7-1/2	53 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			2 x 2	x 5	x 7-1/2	150 Sft
			2 x 2	x 11	x 7-1/2	330 Sft

**Middle Portion**

Ground Floor (Emergency Block)						
Outer walls	1	x	2 ( 10-1/4	+ 14-1/4 )	8	392 Sft
	1	x	2 ( 7-1/4	+ 10-1/4 )	8	280 Sft
	1	x	2 ( 7-1/4	+ 6 )	8	212 Sft
	1	x	2 ( 10-1/4	+ 6-1/2 )	8	268 Sft
Attach Bath	2	x	2 ( 4-1/4	+ 7 )	8	360 Sft
Inside Walls			5 x 2	x 6	x 8	480 Sft
			8 x 2	x 4	x 8	512 Sft

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Gyne Block							
Outer walls	1	x	2	(	21-1/2	+	10-1/4 ) 7-1/2 476 Sft
	3	x	2	(	8	+	5 ) 7-1/2 585 Sft
Inside Walls			2	x	2	x	10-1/4 x 7-1/2 308 Sft
			4	x	2	x	5 x 7-1/2 300 Sft
			6	x	2	x	4 x 7-1/2 360 Sft
First Floor (Chest Block)							
Outer walls	1	x	2	(	21-1/4	+	11-1/2 ) 7-1/2 491 Sft
	3	x	2	(	5	+	7 ) 7-1/2 540 Sft
Inside Walls			4	x	2	x	5 x 7-1/2 300 Sft
			5	x	2	x	4 x 7-1/2 300 Sft
Peeds Block							
Outer walls	1	x	2	(	21-1/4	+	11-3/4 ) 7-1/2 495 Sft
Outer walls	1	x	2	(	23	+	11-3/4 ) 7-1/2 521 Sft
	3	x	2	(	5	+	7 ) 7-1/2 540 Sft
Inside Walls			9	x	2	x	6 x 7-1/2 810 Sft
			10	x	2	x	4 x 7-1/2 600 Sft
Third Portion							
Ground Floor (Medical Block)							
Outer walls	1	x	2	(	10-1/4	+	21-1/4 ) 7-1/2 473 Sft
	3	x	2	(	5	+	6 ) 7-1/2 495 Sft
Inside Walls			6	x	2	x	6 x 7-1/2 540 Sft
			8	x	2	x	4 x 7-1/2 480 Sft
ICU Block							
Outer walls	1	x	2	(	10-1/4	+	10-1/4 ) 7-1/2 308 Sft
	2	x	2	(	5	+	6 ) 7-1/2 330 Sft
First Floor (Surgical Block)							
Outer walls	2	x	2	(	10-1/4	+	21-1/4 ) 7-1/2 945 Sft
	3	x	2	(	5	+	6 ) 7-1/2 495 Sft
Inside Walls			6	x	2	x	5 x 7-1/2 450 Sft
			4	x	2	x	10-1/4 x 7-1/2 615 Sft
OT Block							
Outer walls	1	x	2	(	10 1/4	+	10 1/4 ) 7-1/2 308 Sft
Mosque							
Outer walls	3	x	2	(	6	+	5 ) 7-1/2 495 Sft
Deductions							
Doors					-124	x 2 1/2 x 7	-2170 Sft

Total	20668	Sft	
@	209.65	P Sft	Rs. 4333046/-

- 9 Providing, fixing, testing and commissioning of  $\mu$ -PVC (Un plasticized poly vinyl Chloride) Nikasi / waste pipe make of dadex / Popular / Beta / BEJ plain / socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio ) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 41/SN-4)

i) 4" dia

All Blocks	10	x	250	2500	Rft
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Total	2500	Rft
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@	204.75	P Rft	Rs.511875/-
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- 10 Providing and fitting "P" trap:- 4" dia glazed.

All Blocks	10	x	19	190	Nos
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Total	190	Nos
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@	218.35	Each	Rs.41487/-
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- 11 Providing, fixing, testing and commissioning of  $\mu$ -PVC (Un plasticized poly vinyl Chloride ) Nikasi / waste pipe Fittings make of dadex / Popular / Beta / BEJ conforming to code EN-1401 including the cost of Solvents complete in all respect as approved and directed by the Engineer Incharge.

ii) Multi Trap 4" dia

All Blocks	11	x	25	275	Nos
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Total	275	Nos
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@	639.30	Each	Rs.175808/-
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12	Providing and fixing C.P bib cock 1/2" dia.							
	All Blocks	10	x	9		90	Nos	
					Total	90	Nos	
					@	466.20	Each	Rs.41958/-
13	Providing and fixing C.P tee stop cock 1/2" dia.							
	All Blocks	10	x	25		250	Nos	
					Total	250	Nos	
					@	886.20	Each	Rs.221550/-
14	Providing and fixing C.P. mixing valve for wash hand basin, sink or shower.							
	All Blocks	8	x	10		80	Nos	
					Total	80	Nos	
					@	1977.75	Each	Rs.158220/-
15	Providing and fixing C.P. swan neck cock 1/2" dia single way.							
	All Blocks	3	x	15		45	Nos	
					Total	45	Nos	
					@	466.20	Each	Rs.20979/-
16	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal							
	All Blocks	8	x	4		32	Nos	
					Total	32	Nos	
					@	4587.90	Each	Rs.146813/-
17	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (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).							
	a) PN-16 pipe							
	(i) (3/4") 25 mm							
	In side Wash Room	12	x	160		1920	Rft	
					Total	1920	Rft	
					@	46.60	P Rft	Rs.89472/-
	(ii) (1") 32 mm	12	x	140		1680	Rft	
					Total	1680	Rft	
					@	75.20	P Rft	Rs.126336/-
	(iii) (1-1/4") 40 mm							
	Main Line to Block	12	x	230		2760	Rft	
					Total	2760	Rft	
					@	103.60	P Rft	Rs.285936/-
	(iv) (1-1/2") 50 mm							
	Main Line to Block	12	x	35		420	Rft	
					Total	420	Rft	
					@	172.55	P Rft	Rs.72471/-



18 Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) 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.

All Blocks	38	x	1	38 Nos
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Total 38 Nos

@ 13915.80 Each Rs.528800/-

19 Providing and fixing CP bath Room Set made of Sonex/Master /Faisal comprising of 3-No Tee 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.

All Blocks	38	x	1	38 Nos
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Total 38 Nos

@ 32650.85 Each Rs.1240732/-

20 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.

All Blocks	60	x	1	60 Nos
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Total 60 Nos

@ 6600.00 Each Rs.396000/-

21 Bitumen coating to plastered or cement concrete surface:-  
i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)

1st Portion (OPD, DIAGNOSTIC, ADMIN)

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4	190 Sft
Attach Bath Floor	1	x	5	x	6	30 Sft

Middle Portion

First Floor (Chest Block)

Toilet Block Floor	1	x	21-1/4	x	11-1/2	244 Sft
Attach Bath	3	x	5	x	7	35 Sft

Peeds Block

Toilet Block Floor	1	x	21-1/4	x	11-3/4	250 Sft
	1	x	23	x	11-3/4	270 Sft
Attach Bath	3	x	5	x	7	35 Sft

Third Portion

First Floor (Surgical Block)

Toilet Block Floor	2	x	10-1/4	x	21-1/4	218 Sft
Attach Bath	3	x	5	x	6	30 Sft

OT Block

Dirty Room Floor	1	x	10-1/4	x	10-1/4	105 Sft
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Total 1407 Sft

@ 1,474.05 % Sft Rs. 20740/-

22 Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.

i) 300 gauge (.003" thick)

1st Portion (OPD, DIAGNOSTIC, ADMIN)

First Floor (Admin Block)

Toilet Block Floor	2	x	11	x	17-1/4	190 Sft
Attach Bath Floor	1	x	5	x	6	30 Sft

Middle Portion

First Floor (Chest Block)

Toilet Block Floor	1	x	21-1/4	x	11-1/2	244 Sft
Attach Bath	3	x	5	x	7	35 Sft

Peeds Block

Toilet Block Floor	1	x	21-1/4	x	11-3/4	250 Sft
	1	x	23	x	11-3/4	270 Sft
Attach Bath	3	x	5	x	7	35 Sft

**Third Portion**

First Floor (Surgical Block)

Toilet Block Floor 2 x 10-1/4 x 21-1/4 218 Sft

Attach Bath 3 x 5 x 6 30 Sft

OT Block

Dirty Room Floor 1 x 10-1/4 x 10-1/4 105 Sft

Total 1407 Sft  
@ 5.35 P Sft

Rs. 7527/-

**Cost of Old Material**

a) Deodar wood Doors i/c chowkats

2235 Sft

Total 2235 Sft  
@ 249.00 P. Sft

Rs. 556515/-

Total Deduction Rs. 556515/-

Rs. 9735511/-

Rs. 556515/-

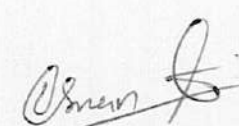
Balance Rs. 9178996/-

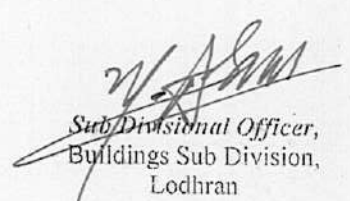
Total Rs. 9178996/-

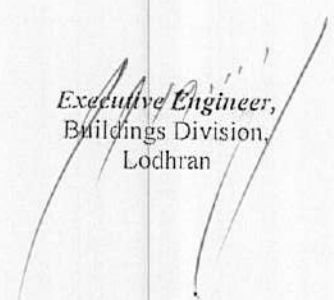
Add 03% for Contingencies Rs. 275370/-

Total Rs. 9454366/-

Say Rs. 9454400/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran



**DETAILED ESTIMATE FOR THE WORK PROVISION OF ADDITIONAL ITMES OF WASH ROOM  
MAIN BUILDING (HOSPITAL).**

- 1 Providing and fitting at site of work glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest (Master) complete in all respect as approved by the Client / Engineer Incharge.

All Blocks	65	x	1	65 Nos
Total				65 Nos

@ 3540.00 Each Rs.230100/-

- 2 Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity (Master), including bracket set, copper connection, etc. complete in all respect as approved by the Client / Engineer Incharge.

All Blocks	65	x	1	65 Nos
Total				65 Nos

@ 3210.00 Each Rs.208650/-

- 3 Providing and fixing glazed earthen ware Vanity i/c marble slab full width i/c cutting griding polishing complete in all respects as approved by the Engineer-in-charge.

All Blocks	60	x	1	60 Nos
Total				60 Nos

@ 10300.00 Each Rs.618000/-

- 4 Providing and fixing UPVC single leaf panel with glass / without glass multi-chambered doors with welding joint of 60-mm frame and 2-1/2 mm thickness, 20 mm sandwich of grove panels each height 106 mm with matching door frame having extrude (in-bults) beeding heavy duty and all accessories i/c chowkat as per specification complete in all respects as approved by the Engineer Inchage.

**1st Portion (OPD, DIAGNOSTIC, ADMIN)**

**Ground Floor (OPD Block)**

Bath Door 20 x 2-1/2 x 7 350 Sft

**Ground Floor (X-RAY Block)**

Bath Door 10 x 2-1/2 x 7 175 Sft

2 x 3 x 7 42 Sft

**First Floor (Admin Block)**

Bath Door 11 x 2-1/2 x 7 193 Sft

3 x 3 x 7 63 Sft

**Middle Portion**

**Ground Floor(Emergency Block)**

Bath Door 12 x 2-1/2 x 7 210 Sft

2 x 3 x 7 42 Sft

**Gyne Block**

Bath Door 8 x 2-1/2 x 7 140 Sft

1 x 3 x 7 21 Sft

**First Floor (Chest Block)**

Bath Door 8 x 2-1/2 x 7 140 Sft

1 x 3 x 7 21 Sft

**Peeds Block**

Bath Door 15 x 2-1/2 x 7 263 Sft

2 x 3 x 7 42 Sft

**Third Portion**

**Ground Floor (Medical Block)**

Bath Door 9 x 2-1/2 x 7 158 Sft

2 x 3 x 7 42 Sft

**ICU Block**

Bath Door 2 x 2-1/2 x 7 35 Sft

1 x 3 x 7 21 Sft

**First Floor (Surgical Block)**

Bath Door 11 x 2-1/2 x 7 193 Sft

2 x 3 x 7 42 Sft

OT Block  
Bath Door

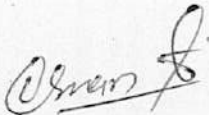
2 x 3 x 7


42 Sft

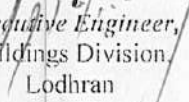
Total 2235 Sft  
@ 1,866.00 P Sft Rs. 4170510/-

Total Rs. 5227260/-

Say Rs. 5227300/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

DETAILED ESTIMATE FOR PROVISION OF 0.5 CUSEC VERTICAL TURBINE PUMP  
I/C BORING LOWERING AND PUMPING CHAMBER

ABSTRACT OF COST

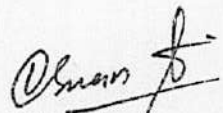
1	Boring of Tube well and Lowering	=	Rs.2578600/-
2	Providing Pumping Machinery	=	Rs.2642700/-
3	Construction of Pumping Chamber	=	Rs.604600/-

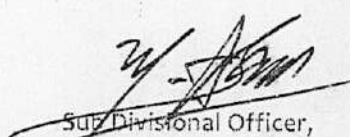
Total:- = Rs.5825900/-

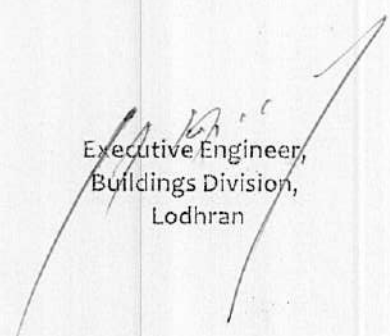
Add 03% Office Contingency Rs.174777/-

Total:- = Rs.6000677/-

Say:- = Rs.6000700/-

  
Sub Engineer,

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

# DETAILED ESTIMATE FOR BORING OF TUBE WELL.

MRS 1st B-I Annual 202

1	Direct rotary / reverse drilling of bore for tube well in all type of soil except shingles, gravel and rock etc.				
	a) From G.L to 250 Depth below G.L				
	15" to 18" size	=	250 Rft		
		@	635.20 P.Rft	=	158800 /
	b) Exceeding 250 Depth below G.L				
	15" to 18" size	=	120 Rft		
		@	635.20 P.Rft	=	76224 /
2	Furnishing samples from bore hole.				
	Set of 2 bottle	=	4 Sam.		
		@	174.00 P.Sam	=	696 /
3	Providing and installing M. S. Bail plug in tubewell bore In the case of increase or decrease hole 10" i/ d,				
		=	1 No.		
		@	5715.85 Each	=	5716 /
4	Providing and installing, brass strainer in tubewell bore hole, including sockets, special sockets, studs, etc. complete:-				
	j) 10" i/d, 3/16" (250 mm i/d 5 mm) thick	=	100 Rft		
		@	6998.75 P.Rft	=	699875 /
5	Providing and installing MS blind pipe socketed joint, MS reducer (where necessary), in tubewell bore 2 hole, including jointing/ with strainer, etc. complete				
	a) 10" i/d, 1/4" (250 mm i/d 6 mm) thick	=	150 Rft		
		@	3310.80 P.Rft	=	496620 /
	b) 12" i/d, 1/4" (300 mm i/d 6 mm) thick	=	120 Rft		
		@	3901.40 P.Rft	=	468168 /
6	Shrouding with graded pea gravel 3/ 8" to 1/ 8" (10 to 3 mm), around tubewell in bore hole.				
	a) 18" dia 1 x 3.14 x 2.25 x 0.25 x 370	=	654 Cft		
	Total		654 Cft		
	Deduction 1 x 3.14 x 0.688 x 0.25 x 230	=	124 Cft		
	1 x 3.14 x 1 x 0.25 x 140	=	110 Cft		
	Total		234 Cft		
	Net Total		420 Cft		
		@	126.65 P.Cft	=	53193 /
7	Testing and developing of tubewell of size 6" (150 mm) Compressor, accessories along i/ d and above continuously upto 1.5 cs. Discharge				
		=	24 Hour		
		@	1475.20 P.Hour	=	35405 /



(67)

8	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I pipe of B.S.S. 1387-1967 complete in all respects, including specials and valves:- C.I. flanged joints (Medium Quality) 4" i/d (100 mm)			
	4" dia placing	=	271 Rft	
		@	1523.30 P.Rft	= 412814 /
9	Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material): 4" i/d (100 mm) -	=	2 Nos.	
		@	10344.75 Each	= 20690 /
10	Providing and fixing, air valve 2 1/2 (65mm) dia of B.S.S. quality and weight (complete with jointing material) a) double	=	1 Nos.	
		@	9175.70 Each	= 9176 /-
11	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. ire/trenches, etc. (rate for cable only):-c) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- vi) 7/1.63 mm (7/0.064")	=	215 Rft	
		@	656.95 P.Rft	= 141244 /-
			Total:-	= 2578620 /-
			Say:-	= 2578600 /-

*Osman*

Sub Engineer,


*W. Ahmad*  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

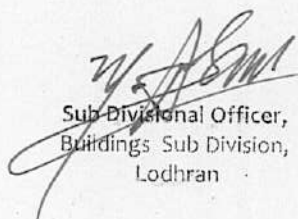
*M. P. D.*  
Executive Engineer,  
Buildings Division,  
Lodhran.

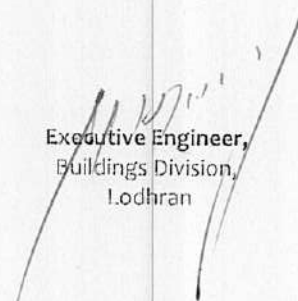
PUMPING MACHINERY

- 1- Providing and installation vertical line Shaft turbine 0.5 cusec KSB Made set (Pump type=ALTA 260.60/4) comprising of A.C electric motor of 20-H.P/4-Pole SIEMENS 1450-RPM head 160' with 101' column pipe complete i/c foundation and internal electrification complete in all respect i/c G.S.T.

(Quotation attached) @	1 Set	
	2500000.00 P-Set	Rs. 2500000.00
Add for foundation (Detail Attached)		Rs. 17700.00
	Total	Rs. 2517700.00
Add 5% contractor profit		Rs. 125003.00
	Total	Rs. 2642703.00
	SAY	Rs. 2642700.00

  
Sub Engineer,

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

# DETAILED OF TURBINE FOUNDATION

MRS 1st B-I Annual 2022

Sr. No.	Description	No.	L	W	D	Qty.	Amount
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1- Excavation in foundation of building bridges and other structure i/c dag-belling dressing relieving around structure with excavated earth watering ramming lead upto one chain and lift upto 5' o/soil.

1	3	3	3	27 Cft
Total				61 Cft

@ 8727.85 %Cft Rs. 532/-

2- P/L cement concrete bricks or stones ballast 1-1/2" to 2" gauge in foundation and plinth (Ratio 1:6:12).

1	3	3	0.5	5 Cft
Total				5 Cft

@ 14069.10 %Cft Rs. 633/-

3- Cement concrete plain 1:2:4

1	2.5	2.5	3	19 Cft
Total				19 Cft

@ 28618.55 %Cft Rs. 5366/-

4- Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing. i/c erection in position.

i) Angle iron 3"x3"x3/8"

4	3.5	14 Rft
4	4.5	18 Rft
Total		32 Rft
32	1.92	0.454
		28 Kg

ii) MS round bar 3/4" dia.

4	4.25	17 Rft
Total		17 Rft
17	1.5	0.454
		12 Kg
Net Total		39 Kg

@ 28358.35 %Kg Rs. 11193/-

TOTAL Rs. 17725/-

SAY Rs. 17700/-

*Osman*  
Sub Engineer,

*M. Aslam*  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

*M. Aslam*  
Executive Engineer,  
Buildings Division,  
Lodhran

DETAILED ESTIMATE FOR CONSTRUCTION OF PUMPING CHAMBER SIZE 12' x 10'

MRS 1st B-I Annual 2022

- 1 Excavation in foundation of building bridges and other structure  
i/c dag-belling dressing in ordinary soil.

2	x	16.125	x	3.25	x	2.5	262 Cft
2	x	8.125	x	3.25	x	2.5	132 Cft
2	x	21	x	1.5	x	1	63 Cft
2	x	16	x	1.5	x	1	48 Cft
Total							505 Cft

(a) 8727.85 %Cft Rs. 4408/-

2. P/L cement concrete bricks or stones ballast 1-1/2" to 2" gauge in foundation and plinth (Ratio 1:6:12)

2	x	16.125	x	3	x	0.5	48 Cft
2	x	8.125	x	3	x	0.5	24 Cft
Total							72 Cft

@	14069.10	%Cft	Rs. 10130/-
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- 3 Dry rammed brick or stone ballast, 1½" to 2" gauge

2	x	21	x	1.5	x	0.33	21 Cft
2	x	16	x	1.5	x	0.33	16 Cft.
Total							37 Cft

(@)	4474.80	%Cft	Rs. 1656/-
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4. Pacca brick work in foundation and plinth in cement sand mortar 1:6.

2	x	15.375	x	2.25	x	0.25	17	Cft
2	x	15	x	1.875	x	0.25	14	Cft
2	x	14.625	x	1.5	x	0.25	11	Cft
2	x	14.25	x	1.125	x	4.25	136	Cft
2	x	8.875	x	2.25	x	0.25	10	Cft
2	x	9.25	x	1.875	x	0.25	9	Cft
2	x	9.625	x	1.5	x	0.25	7	Cft
2	x	10	x	1.125	x	4.25	96	Cft
2	x	20.625	x	1.125	x	0.25	12	Cft
2	x	20.25	x	0.75	x	2.25	68	Cft
2	x	16.375	x	1.125	x	0.25	9	Cft
2	x	16.75	x	0.75	x	2.25	57	Cft
<b>Total</b>							<b>446</b>	<b>Cft</b>

@	21808.20	%Cft	Rs. 97265/-
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- 5 P/L DPC 1-1/2" thick width 1:2:4 ratio with one coat of bitumen and polythene sheet 500 gauge.

4	x	14.250	x	1.125	64 Sft
4	x	10	x	1.125	45 Sft
Total					<hr/> 109 Sft

@	6643.95	%Sft	Rs. 7242/-
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- 6 Pacca brick work ground floor with cement sand mortar 1:6.

2	x	14.25	x	1.125	x	11	353 Cft
2	x	10	x	1.125	x	11	248 Cft
2	x	17.25	x	0.75	x	1	26 Cft
2	x	13.75	x	0.75	x	1	21 Cft
Total							648 Cft



Deduction.

1	x	4	x	1.125	x	7	32 Cft
3	x	3	x	1.125	x	4	41 Cft
1	x	5	x	1.125	x	0.5	3 Cft
3	x	4	x	1.125	x	0.5	7 Cft

Total 83 Cft

Net Total 565 Cft

@ 23598.15 %Cft Rs. 133330/-

- 7 1/2" thick cement plaster 1:3 with bitumen coating 10 lbs. per 100 Sft and ploythene sheet 500 gauge.

2	x	14.250	x	1.125		32 Sft
2	x	10	x	1.125		23 Sft

Total 55 Sft

@ 4265.40 %Sft Rs. 2346/-

- 8 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:-

1	x	5	x	1.125	x	0.5	3 Cft
3	x	4	x	1.125	x	0.5	7 Cft
1	x	14.25	x	12.25	x	0.41	72 Cft

Total 82 Cft

@ 471.80 P-Cft Rs. 38688/-

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

82	x	6.75	x	0.454		251 Kg
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Total 251 Kg

@ 25962.00 %Kg Rs. 65165/-

- 10 Filling watering ramming earth under floor  
i) with surplus earth excavated from foundation.

Take 2/3 of item no. 1	505	x	2/3	337 Cft
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Total 337 Cft

@ 4197.60 %oCft Rs. 1415/-

- ii) With new earth excavated outside lead upto 1-mile.

1	x	12	x	10	x	3	360 Cft
2	x	18.75	x	2.25	x	2	169 Cft
2	x	12.25	x	2.25	x	2	110 Cft

Total 639 Cft

Deduction:-

337 337 Cft

Total 337 Cft

Net Total 302 Cft  
@ 13219.05 %oCft Rs. 3992/-

- 11 S/Filling sand under floor.

1	x	12	x	10	x	0.333	40 Cft
2	x	18.75	x	2.25	x	0.25	21 Cft

	2	x	12.25	x	2.75	x	0.25		14 Cft		
							Total		75 Cft		
							@	2743.20	%Cft	Rs. 2057/-	
12	P/L watering and ramming brick ballast 1-1/2" to 2" (40mm to 50mm) gauge mixed with 25% sand for floor foundation complete in all respect. Same as item No. 11 above.										
							Total		75 Cft		
							@	5161.30	%Cft	Rs. 3871/-	
13	Providing and laying conglomerate flooring (two coat work) with top layer of 3/8" (13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16" (6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:- 1 1/4" thick										
	2	x	20.25	x	3				122 Sft		
	2	x	12.25	x	3				74 Sft		
							Total		196 Sft		
							@	6049.75	%Sft	Rs. 11858/-	
14	1 1/4" (40 mm) thick mosaic flooring, consisting of 3/8" (13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :- (a) using grey cement										
	1	x	4	x	1.125				5 Sft		
	1	x	12	x	10				120 Sft		
							Total		125 Sft		
							@	15499.20	%Sft	Rs. 19374/-	
15	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1 1/4" x 3/8" (40 x 10 mm) Take 60% of Item No.13&14										
	321	x	60	/	100				193 Rft		
							Total		193 Rft		
							@	15.85	P-Rft	Rs. 3059/-	
16	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 3/8" (13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement : 3/8" (13 mm) thick										
	2	x	22	x	0.5				22 Sft		
	1	x	4	x	2.5				10 Sft		
							Total		32 Sft		
							@	16638.15	%Sft	Rs. 5324/-	
17	P/L single layer of tiles 9"x4-1/2"x1-1/2" grouted with cement sand mortor 1:3 laid over 4" thick earth and ploythene sheet 500 gauge.										
	1	x	15.75	x	13.75				217 Sft		
							Total		217 Sft		
							@	9328.40	%Sft	Rs. 20243/-	

18 Making Khurra on roof 2'x2'x6"

Total	@	1 No.	1 No.	Rs. 679/-
		679.30	Each	

19 3/8" thick cement plaster 1:3.

1	x	12	x	10
1	x	59	x	1.5

	120 Sft		
	89 Sft		
Total	<hr/>		
	209 Sft		
@	2955.85 %Sft		Rs. 6178/-

20 1/2" thick cement plaster 1:5 on walls.

2	x	22	x	10.5
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Total		462 Sft		Rs. 11498/-
		462 Sft		
	@	2488.80 %Sft		

21 1/2" thick cement plaster 1:4 on wall.

Parapit	2	x	29.5	x	3.25
	4	x	0.75	x	0.75

	192 Sft		
	2 Sft		
Total	194 Sft		
@	2591.50 %Sft		Rs. 5028/-

22 Cement pointing 1:2 struck joints on wall with red oxide pigment.

2	x	26.5	x	12
1	x	77	x	1.5

	636 Sft
	116 Sft
Total	<hr/> 752 Sft

D/d doors & windows

D	1	x	4	x	7
W	3	x	3	x	4

	28 Sft
	36 Sft
Total	64 Sft
Net Total	688 Sft

Net Total

@	3388.40	%Sft	Rs. 23312/-
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23 P/F IRON DOORS COMPRISING OF 1-1/2"x1-1/2"x1/4" ANGLE IRON CHOWKAT AND LEAF FRAME OF 1-1/4"x1-1/4"x3/16" ANGLE IRON AND 1"x1"x3/16" M.S. ANGLE IRON BRACES WITH 18-SWG M.S. SHEET AND PAINTING THREE COATS COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

1	x	4	x	7
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	28 Sft		
Total	28 Sft		
(@	772.00 P.Sft	Rs. 21616/-	

24 Providing and fixing windows consisting of M.S. box section frame 2"x1 1/2", (50x40mm) leaves frame 1 1/2"x1" (40x25mm) box section frame for glazing 3/8"x3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section 1/2"x1/2" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of 3/4"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat 1/2"x1/8" (13x3mm) or 1/4"x1/4" (6x6mm) square bar with independent frame of 1/4"x1/4" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.

W	3	x	3	x	4
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		36 Sft		
Total		36 Sft		
	@	1365.85 P-Sft		Rs. 49171/-



- 25 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, i/c erection in position.

1 x 12.25 x 12 x 0.4540  
Total

67 Kg

67 Kg

@

28358.35 %Kg

Rs. 19000/-

- 26 Distemping three coats on new surface.  
Same as item No. 19 & 20 above.

Total

671 Sft

671 Sft

@

1150.30 %Sft

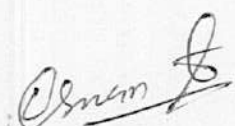
Rs. 7719/-

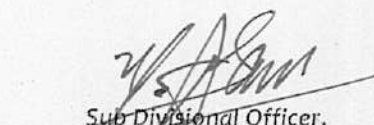
- 27 Provision for internal E.I.  
(Detailed attached)

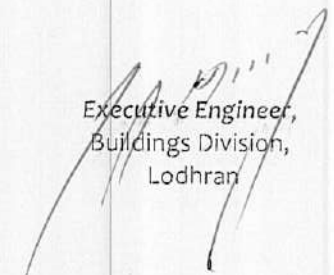
Rs. 29000/-

TOTAL Rs. 604620/-

SAY Rs. 604600/-

  
Sub Engineer,

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

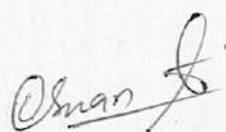
  
Executive Engineer,  
Buildings Division,  
Lodhran

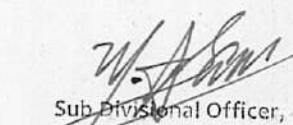


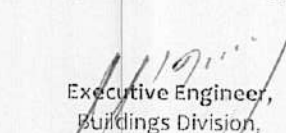
# DETAILED ESTIMATE FOR PROVIDING INTERNAL E.I. IN PUMPING CHAMBER

78

1	S/E of P.V.C. pipe for wiring recessed in walls i/c inspection boxes hooks cutting, jharries and repairing surface etc.				
	i) 3/4" dia pipe	=	80 Rft		
		@	69.40 P.Rft	=	5552 /-
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only):-				
	i) 3/0.029"	=	160 Rft		
		@	20.95 P.Rft	=	3352 /-
	ii) 7/0.029"	=	80 Rft		
		@	33.00 P.Rft	=	2640 /-
3	S/E of M.S sheet box of 16 SWG 3/16" thick backlight sheet top for recessed wiring 4" deep i/c making holes for regulator switches plugs etc.				
	i) 4" x 4"	=	2 Nos.		
		@	224.65 Each		449 /-
	ii) 9"x4"	=	1 No.		
		@	399.75 Each		400 /-
4	P/F of switches 5 Amp Paino Type	=	5 Nos.		
		@	60.70 Each	=	304 /-
5	S/E 3 pin 5 Amp wall socket	=	1 No.		
		@	76.10 Each	=	76 /-
6	S/E of botton holder Bakelite large size	=	2 Nos.		
		@	45.35 Each		91 /-
7	Supply and erection of ceiling rose, bakelite.	=	2 Nos.		
		@	55.90 Each		112 /-
8	Supply and erection of house service pipe 50 mm (2" ) dia G.I. pipe Henley or pole type for bare copper wire overhead line, including shackle insulator, straining devices and other accessories etc.				
		=	30 Rft		
		@	533.05 P Rft	=	15992 /-
				Total:-	28967 /-
				Say:-	29,000 /-

  
Sub Engineer,

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran



(76)

## EXTERNAL WATER SUPPLY & SEWERAGE DISPOSAL INSTALLATION

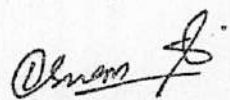
Sr. No.	Description of Item	Qty	Unit	Rate	Amount
1	Providing and installation of Non Clogging Centrifugal / Sludge Pump size 5"x4" (Pump Type KWP 100-250 with FIP coupled with Siemens 20-HP/4P (1450-RPM) Electric motor on base frame i/c MCU-ASD-20 KSB Make Packing & Transportation) Flow rate 1.5 cusec and pump total head 45-ft i/c foundation and internal electrification complete in all respect complete with GST as approved by the Engineer Incharge.	1	Each	1522500.00	Rs.1522500/-
2	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I. pipe of B.S.S. 1387-1967 complete in all respects, including specials and valves:- i) C.I. flanged joints (Medium Quality) a) 4" i/d (100 mm)	380	P Rft	1523.30	Rs.578854/-
3	Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):- a) 4" i/d (100 mm)	20	Each	10344.75	Rs.206895/-
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. Diameter of running main: i) upto 6" i/d (150 mm)	18	Each	2405.70	Rs.43303/-
5	Providing and fixing at site of work PPRC fitting Gate Valve best quality complete in all respects. i) 32-mm dia	24	Each	1300.00	Rs.31200/-
	ii) 40-mm dia	12	Each	1900.00	Rs.22800/-
	iii) 50-mm dia	6	Each	2400.00	Rs.14400/-
5	Desilting of disposal work collecting tank, including removal of sludge within 3 chains (90 metre). 1x3x7500=22500-Cft	22500	% Cft	1230.95	Rs.276964/-

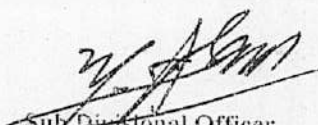
Total Rs.2696915/-

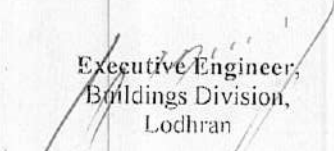
Add 3% office continency Rs.80907/-

Total Rs.2777822/-

Say Rs.2778000/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran



# ELECTRIC INSTALLATION

77

Sr. No.	Description of Item	Qty	Unit	Rate	Amount
1	S/E of PVC pipe for wiring recessed in walls, i/c inspection boxed, pull boxes, hooks, cutting jharries, and repairing surface etc complete with all specials.				
	i) 3/4" dia	3800	P Mtr	227.60	Rs.864880/-
	ii) 1" dia	1650	P Mtr	263.80	Rs.435270/-
	iii) 2" dia (40mm)	390	P Mtr	412.25	Rs.160778/-
2	S/E of single core PVC insulated copper conductor cables in prelaid PVC pipe / M.S conduit /GI pipe / wooden strip batten / wooden casing an capping / G.I wire / trenches. i) 3/0.29"	9800	P Mtr	68.70	Rs.673260/-
	ii) 7/0.029"	6800	P Mtr	108.25	Rs.736100/-
	iii) 7/0.044"	2000 <del>3600</del>	P Mtr	198.75	Rs.715500/- 397500/-
	iv) 7/0.064"	1800 <del>3600</del>	P Mtr	462.55	Rs.832590/-
3	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- d) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. iv) 19/2.11 mm (19/0.083")	590 <del>150</del>	P Mtr	8544.65	Rs.5041344/- 1281697.5
4	Providing and fixing at site of work China Kits best quality complete in all respects as approved by the Engineer-in-charge. i) 4"x4"	492	Each	600.00	Rs.295200/-
	ii) 7"x4"	380	Each	800.00	Rs.304000/-
5	S/E of 3 pin switch & plug combined 10/15 amp complete in all respects as approved by the Engineer-in-charge.	250	Each	650.00	Rs.162500/-
6	Supply and erection of ceiling rose bakelite.	150	Each	55.90	Rs.8385/-
7	P/F circuit bracker single pole 20A	10 <del>425</del>	Each	866.40	Rs.108300/-
8	P/F circuit bracker triple pole 200A 18KA (LR)	5 <del>28</del>	Each	18000.00	Rs.504000/- 8664/-
9	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 (i) 12 " dia	80	Each	2201.85	Rs.176148/- <del>90000/-</del>
10	PROVIDING AND FIXING STREET LIGHT POLES OF 4" DIA 13' LONG 3" DIA 5' LONG, 2" DIA 4' LONG, 1-1/4" DIA 4' LONG G.I. PIPE MEDIUM QUALITY WITH CEMENT CONCRETE 1:2:4 FOUNDATION 2' X 2' X 4' I/C BASE PLATE 2-NOS. 1/2" THICK 12" X 12" ETC COMPLETE IN ALL RESPECTS AS APPROVED BY THE ENGINEER-IN-CHARGE".	15	Each	35100.00	Rs.526500/-
11	Supply and Installation of LED Street Light 100 Watt BRP-131 Philips Made i/c cost of labour complete in all respects as approved by the Engineer-in-charge.	15	Each	37980.00	Rs.569700/-



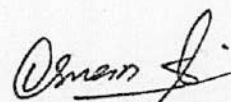


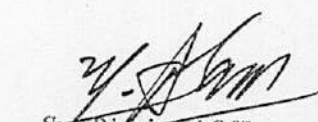
Sr: No.	Description of Item	Qty	Unit	Rate	Amount
12	Supply and Installation of LED Flood Light 100-watt BVP-151 LED 100/CW Philips Made i/c cost of labour complete in all respects as approved by the Engineer-in-charge.	12	Each	19860.00	Rs.238320/-

Total Rs.42352774/-  
6600582.5

Add 3% office contingency

Rs.370583/-  
198017.5

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

Total Rs.42723357/-  
6,798,600

19.11.11

**PROVISION OF PANEL BOARD AND EXTERNAL ELECTRIC INSTALLATION**

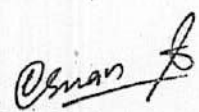
S.#	Description	Qty	Unit	Rate	Amount
<b>A</b>	<b>L.T. (LV) SUB-STATION EQUIPMENT</b>				
1	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendable, insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN& E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories, assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, CTs, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally)				
	ATS (Incoming from Transformers & 200 KVA				
	b) 2.50 Ft deep				
	(i) 200 KVA	2	Each	1509448.37	3018897.00
	Incoming Breakers for ATS (Incoming from Tr				
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /				
(a)	Tripple Pole 400A(36 KA)	4	Each	62417.8	249671.00
	Outgoing Breakers for ATS (Incoming from Tr				
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /				
(a)	Tripple Pole 400A(36 KA)	4	Each	62417.8	249671.00
2	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type), derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights, thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands, Current Transformers of specified capacity, Door Earthing, Brass glands, bus bars, controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB for Transformer				
	Incoming from Transformer				
i)	LT Switchboards				
a)	1 Ft deep				
	(i) 600A (3.0'x2x1") (01 No)	6	Cft	3492.7	20956.00
	Incoming Breaker for Main DB				
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /				
(a)	Tripple Pole 600A(36 KA) (03 No)	1	Each	62417.8	62418.00
	Outgoing Breakers for Main DB				

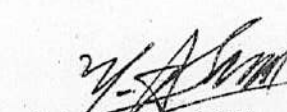


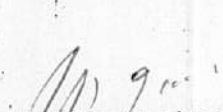
	1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN / SIEMEN / ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(18 KA) (3*3=09 No)	3	Each	37457.8	112373.00
3		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Main DB				
		Incoming from Panel				
	i)	LT Switchboards				
		a) 0.750 Ft deep				
		(ii) 400A (3.16'x2.66'x0.75') (08 No)	50.4336	Cft	3492.7	176149.00
		Incoming Breaker for Main DB				
	1	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /				
	(a)	Tripple Pole 400A(36 KA) (09 No)	9	Each	62417.8	561760.00
		Outgoing Breakers for Main DB				
	1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 100A(18 KA) (9*3=27 No)	27	Each	8537.8	230520.6
4		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		Sub Main DB				
		Incoming from Main DB				
	(b)	9" deep				
		(ii) 100A (2.16"x1.66"x0.75") (18 No)	48.4056	Cft	34167.9	1653918.00
		Incoming Breaker for Sub Main DB				



	1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip ) in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 100A(18 KA) (18 No)	18	Each	8537.8	153680.00
		Outgoing Breakers for Sub Main DB				
	1	Suppling, Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 20A(6 KA) (18*18=324 No)	324	Each	866.40	280714.00
5		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non armoured with G.I. wire 16 SWG 37/1.83 mm (37/0.072")	250	P Mtr	11825.50	2956375.00
6		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non armoured with G.I. wire 16 SWG 19/2.11 mm (19/0.083")	190	P Mtr	8544.65	1623484.00
7		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, non armoured with G.I. wire 16 SWG 19/1.63 mm (19/0.064")	160	P Mtr	5488.55	878168.00
8		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.63 mm (7/0.064")	140	P Mtr	2154.75	301665.00
9		Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.12 mm (7/0.044")	150	P Mtr	870.80	130620.00
TOTAL						12661040
Add 03% Office Contingency						379831
TOTAL						13040871

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

PROVISION OF SEWERAGE SYSTEM

- 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

Sewer Line

i) 9" dia	1	x	909	x	1 1/2	x	2	=	2727 Cft
	1	x	90	x	1 1/2	x	2	=	270 Cft
ii) 12" dia	1	x	71	x	3	x	3 3/4	=	799 Cft
	1	x	100	x	3	x	4 1/4	=	1275 Cft
	1	x	238	x	3	x	4 3/4	=	3392 Cft
	1	x	96 1/2	x	3	x	5	=	1448 Cft
	1	x	93	x	3	x	5 1/4	=	1465 Cft
	1	x	126	x	3	x	4	=	1512 Cft
	1	x	136	x	3	x	4 1/2	=	1836 Cft
	1	x	93	x	3	x	4 3/4	=	1325 Cft
	1	x	93	x	3	x	5	=	1395 Cft
	1	x	90	x	3	x	5 1/4	=	1418 Cft
iii) 15" dia	1	x	41	x	3	x	5 1/2	=	677 Cft
	1	x	119	x	3	x	6	=	2142 Cft
	1	x	25	x	3	x	6	=	450 Cft
	1	x	107	x	3	x	6 1/4	=	2006 Cft
	1	x	122	x	3	x	6 3/4	=	2471 Cft
	1	x	93	x	3	x	7	=	1953 Cft
	1	x	96	x	3	x	7 1/4	=	2088 Cft
	1	x	50	x	3	x	7 1/4	=	1088 Cft
	1	x	28	x	3	x	7 1/2	=	630 Cft
								=	32367 Cft

@ 7272.55 %o Cft Rs.235391/-

- 2 Construction of Man hole 4' Dia

= 1 Job

= 1 Job

(Detail attached)

@ 1307200.00 P Job Rs.1307200/-

- 3 Construction of Hози

= 1 Job

= 1 Job

(Detail attached)

@ 482600.00 P Job Rs.482600/-

- 4 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. 5911 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

999 Rft

999 Rft

@ 436.70 P.Rft Rs.436263/-

ii) 12" dia

1150 Rft

1150 Rft

@ 637.05 P.Rft Rs.732608/-

iii) 15" dia

681 Rft

681 Rft

@ 807.10 P.Rft Rs.549635/-

- 5 Rehandling of earthwork: -

a) Lead upto a single throw of Kassi, phaorah or shovel  
Same as item No.1 above.

32367 Cft

@ 2059.20 %oCft Rs.66650/-

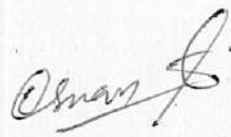
Total Rs.3810347/-

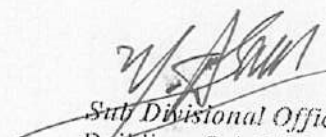
Add 3% Office contingency

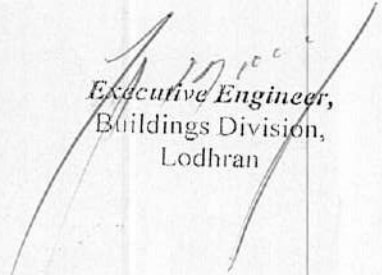
Rs.114310/-

Total Rs.3924657/-

Say Rs.3924700/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran



# ANALYSIS FOR CONSTRUCTION OF MAN HOLE 4' Dia

84

- 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

3	x	0.785	x	5-1/2	x	5-1/2	x	4-1/2	=	321 Cft
7	x	0.785	x	5-1/2	x	5-1/2	x	4-3/4	=	790 Cft
5	x	0.785	x	5-1/2	x	5-1/2	x	5-1/4	=	623 Cft
7	x	0.785	x	5-1/2	x	5-1/2	x	5	=	831 Cft
3	x	0.785	x	5-1/2	x	5-1/2	x	4-3/4	=	338 Cft
3	x	0.785	x	5-1/2	x	5-1/2	x	6-3/4	=	481 Cft
2	x	0.785	x	5-1/2	x	5-1/2	x	7-1/4	=	344 Cft
5	x	0.785	x	5-1/2	x	5-1/2	x	7-3/4	=	920 Cft
3	x	0.785	x	5-1/2	x	5-1/2	x	4	=	285 Cft
1	x	0.785	x	5-1/2	x	5-1/2	x	4	=	95 Cft

Total:- = 5028 Cft

@ 7272.55 % Cft Rs.36566/-

- 2 Cement concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth 1 : 6 : 12.

39	x	0.785	x	5	x	5	x	3/8	=	287 Cft
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Total:- = 287 Cft

@ 14069.10 % Cft Rs.40378/-

- 3 Pacca brick work other than buildings upto 10' height with cement sand mortar 1 : 4.

01 to 03	3	x	3.14	x	4-3/4	x	3/4	x	3	=	101 Cft
	3	x	3.14	x	3-3/4	x	3/4	x	2-1/2	=	66 Cft
04 to 10	7	x	3.14	x	4-3/4	x	3/4	x	3	=	235 Cft
	7	x	3.14	x	3-1/4	x	3/4	x	2-3/4	=	147 Cft
11 to 15	5	x	3.14	x	4-3/4	x	3/4	x	3	=	168 Cft
	5	x	3.14	x	3-1/4	x	3/4	x	3	=	115 Cft
16 to 22	7	x	3.14	x	4-3/4	x	3/4	x	3	=	235 Cft
	7	x	3.14	x	3-1/4	x	3/4	x	3-1/8	=	167 Cft
23 to 25	3	x	3.14	x	4-3/4	x	3/4	x	3	=	101 Cft
	3	x	3.14	x	3-1/4	x	3/4	x	2-3/4	=	63 Cft
26 to 28	3	x	3.14	x	4-3/4	x	3/4	x	3-1/4	=	109 Cft
	3	x	3.14	x	3-1/4	x	3/4	x	3-1/4	=	75 Cft
29 to 30	2	x	3.14	x	4-3/4	x	3/4	x	3-1/2	=	78 Cft
	2	x	3.14	x	3	x	3/4	x	4-1/2	=	64 Cft
31 to 35	5	x	3.14	x	4-3/4	x	3/4	x	4	=	224 Cft
	5	x	3.14	x	3	x	3/4	x	5-1/4	=	185 Cft
36 to 39	4	x	3.14	x	4-3/4	x	3/4	x	2	=	89 Cft
	4	x	3.14	x	3-3/4	x	3/4	x	3-1/6	=	112 Cft

Total:- = 2334 Cft



4 P/L Cement concrete plan 1 : 2 : 4 i/c finishing

39	x	0.785	x	4	x	4	x	1/6	=	83 Cft
39	x	3.14	x	2-1/4	x	3/4	x	1/2	=	103 Cft

Total:- = 186 Cft

@ 28918.55 % Cft Rs.53789

5 Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.

39	x	0.785	x	4	x	4	=	490 Sft
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@ 2308.90 % Sft Rs.11314

6 1/2" thick cement plastr 1 : 4 upto 20' height.

01 to 03	3	x	3.14	x	4-3/4	x	3	=	43 Sft
	3	x	3.14	x	3-3/4	x	2-1/2	=	28 Sft
Out side	3	x	3.14	x	5-1/4	x	1-1/2	=	24 Sft
04 to 10	7	x	3.14	x	4-3/4	x	3	=	100 Sft
	7	x	3.14	x	3-1/4	x	2-3/4	=	63 Sft
Out side	7	x	3.14	x	4-3/4	x	1-1/2	=	50 Sft
11 to 15	5	x	3.14	x	4-3/4	x	3	=	71 Sft
	5	x	3.14	x	3-1/4	x	3	=	49 Sft
Out side	5	x	3.14	x	4-3/4	x	1-1/2	=	36 Sft
16 to 22	7	x	3.14	x	4-3/4	x	3	=	100 Sft
	7	x	3.14	x	3-1/4	x	3-1/8	=	71 Sft
Out side	7	x	3.14	x	4-3/4	x	1-1/2	=	50 Sft
23 to 25	3	x	3.14	x	4-3/4	x	3	=	43 Sft
	3	x	3.14	x	3-1/4	x	2-3/4	=	27 Sft
Out side	3	x	3.14	x	4-3/4	x	1-1/2	=	21 Sft
26 to 28	3	x	3.14	x	4-3/4	x	3-1/4	=	46 Sft
	3	x	3.14	x	3-1/4	x	3-1/4	=	32 Sft
Out side	3	x	3.14	x	4-3/4	x	1-1/2	=	21 Sft
29 to 30	2	x	3.14	x	4-3/4	x	3-1/2	=	33 Sft
	2	x	3.14	x	3	x	4-1/2	=	27 Sft
Out side	2	x	3.14	x	4-1/2	x	1-1/2	=	14 Sft
31 to 35	5	x	3.14	x	4-3/4	x	4	=	95 Sft
	5	x	3.14	x	3	x	5-1/4	=	79 Sft
Out side	5	x	3.14	x	4-1/2	x	1-1/2	=	34 Sft
36 to 39	4	x	3.14	x	4-3/4	x	2	=	38 Sft
	4	x	3.14	x	3-3/4	x	3-1/6	=	48 Sft
Out side	4	x	3.14	x	5-1/4	x	1-1/2	=	32 Sft

Total: = 1275 Sft

@ 2591.50 % Sft Rs.33042/-

- 7 Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia. with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.

50

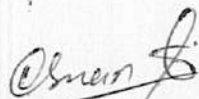
- 8 Extra for pacca brick work in steining of wells or any other circular masonry.

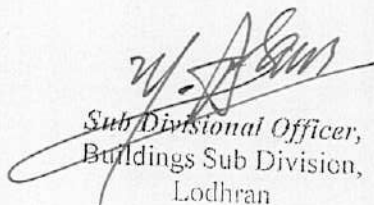
= 50 Nos.  
@ 10497.10 Each Rs.52485

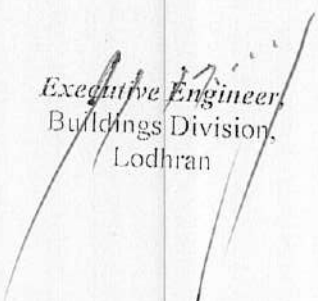
= 2334 Cft  
@ 2153.50 %Cft Rs.50263

Total Rs.130719

Say Rs.1307200

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

# DETAIL FOR CONSTRUCTION OF HOZI'S

- 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

12	x	4-1/2	x	4-1/2	x	2-1/2	=	608 Cft
2	x	5-1/2	x	4	x	2-1/2	=	110 Cft
1	x	4-1/2	x	4-1/4	x	2-1/2	=	48 Cft
1	x	3-1/4	x	3-3/4	x	2-1/2	=	30 Cft
4	x	5-1/2	x	3-1/2	x	2-1/2	=	193 Cft
1	x	3-1/2	x	3-1/2	x	2-1/2	=	31 Cft
1	x	2	x	1-3/4	x	2-1/2	=	9 Cft
1	x	2-1/2	x	2-1/4	x	2-1/2	=	14 Cft
1	x	2-1/2	x	1-3/4	x	2-1/2	=	11 Cft
1	x	4	x	4	x	2-1/2	=	40 Cft
1	x	2-3/4	x	2-1/2	x	2-1/2	=	17 Cft
1	x	2	x	2-1/2	x	2-1/2	=	13 Cft
2	x	2	x	2	x	2-1/2	=	20 Cft
4	x	4	x	4-1/2	x	2-1/2	=	180 Cft
3	x	3-1/2	x	5-1/2	x	2-1/2	=	144 Cft
1	x	3-1/4	x	4-1/2	x	2-1/2	=	37 Cft

Total:- = 1505 Cft  
@ 7272.55 % Cft Rs.10945/-

- 2 Cement concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth 1 : 6 : 12.

12	x	4-1/2	x	4-1/2	x	3/8	=	91 Cft
2	x	5-1/2	x	4	x	3/8	=	17 Cft
1	x	4-1/2	x	4-1/4	x	3/8	=	7 Cft
1	x	3-1/4	x	3-3/4	x	3/8	=	5 Cft
4	x	5-1/2	x	3-1/2	x	3/8	=	29 Cft
1	x	3-1/2	x	3-1/2	x	3/8	=	5 Cft
1	x	2	x	1-3/4	x	3/8	=	1 Cft
1	x	2-1/2	x	2-1/4	x	3/8	=	2 Cft
1	x	2-1/2	x	1-3/4	x	3/8	=	2 Cft
1	x	4	x	4	x	3/8	=	6 Cft
1	x	2-3/4	x	2-1/2	x	3/8	=	3 Cft
1	x	2	x	2-1/2	x	3/8	=	2 Cft
2	x	2	x	2	x	3/8	=	3 Cft
4	x	4	x	4-1/2	x	3/8	=	27 Cft
3	x	3-1/2	x	5-1/2	x	3/8	=	22 Cft
1	x	3-1/4	x	4-1/2	x	3/8	=	5 Cft

Total:- = 227 Cft

3 Pacca brick work other than buildings upto 10' height with cement sand mortar 1: 4.

12	x	2	x	4-1/2	x	3/4	x	2-1/4	=	182 Cft
12	x	2	x	3	x	3/4	x	2-1/4	=	122 Cft
2	x	2	x	5-1/2	x	3/4	x	2	=	33 Cft
2	x	2	x	4	x	3/4	x	2	=	24 Cft
1	x	2	x	4-1/2	x	3/4	x	2	=	14 Cft
1	x	2	x	2-3/4	x	3/4	x	2	=	8 Cft
1	x	2	x	3-1/4	x	3/4	x	2-1/8	=	10 Cft
1	x	2	x	2-1/4	x	3/4	x	2-1/8	=	7 Cft
4	x	2	x	5-1/2	x	3/4	x	2	=	66 Cft
4	x	2	x	4	x	3/4	x	2	=	48 Cft
1	x	2	x	3-1/4	x	3/4	x	2	=	10 Cft
1	x	2	x	2	x	3/4	x	2	=	6 Cft
1	x	2	x	2	x	3/4	x	2	=	6 Cft
1	x	2	x	1-3/4	x	3/4	x	2	=	5 Cft
1	x	2	x	4	x	3/4	x	2	=	12 Cft
1	x	2	x	2-1/2	x	3/4	x	2	=	8 Cft
2	x	2	x	2	x	3/4	x	2	=	12 Cft
2	x	2	x	1	x	3/4	x	2	=	6 Cft
4	x	2	x	4	x	3/4	x	2	=	48 Cft
4	x	2	x	3	x	3/4	x	2	=	36 Cft
3	x	2	x	3-1/2	x	3/4	x	2	=	32 Cft
3	x	2	x	4	x	3/4	x	2	=	36 Cft
4	x	2	x	2-3/4	x	3/4	x	2	=	33 Cft
4	x	2	x	1-1/2	x	3/4	x	2	=	18 Cft

Total:- = 782 Cft

@ 23864.15 % Cft Rs.186618/-

4 P/L Cement concrete plan 1 : 2 : 4 i/c finishing

37	x	2	x	3	x	1/6	=	36 Cft
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Total:- = 36 Cft

@ 28918.55 % Cft Rs.10411/-

6 1/2" thick cement plaster 1 : 4 upto 20' height.

Hози	12	x	2	(	4-1/2	+	3	)	3-1/2	630 Sft
	2	x	2	(	5-1/2	+	4-1/2	)	3-1/2	140 Sft
	4	x	2	(	5-1/2	+	4	)	3-1/2	266 Sft
	10	x	2	(	4	+	3	)	3-1/2	490 Sft
	5	x	2	(	3	+	2-1/2	)	3-1/2	193 Sft
	3	x	2	(	2-1/2	+	1-1/2	)	3-1/2	84 Sft

Total: = 1803 Sft

@ 2591.50 % Sft Rs.46725/-

7 Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-

(3) Type C (nominal mix 1:2:4)

All New Hози Slab

12	x	4-1/2	x	4-1/2	x	1/4	=	61 Cft
2	x	5-1/2	x	4	x	1/4	=	



1	x	4-1/2	x	4-1/4	x	1/4	=	5 Cft
1	x	3-1/4	x	3-3/4	x	1/4	=	3 Cft
4	x	5-1/2	x	3-1/2	x	1/4	=	19 Cft
1	x	3-1/2	x	3-1/4	x	1/4	=	3 Cft
1	x	2	x	1-3/4	x	1/4	=	1 Cft
1	x	2-1/2	x	2-1/4	x	1/4	=	1 Cft
1	x	2-1/2	x	1-3/4	x	1/4	=	1 Cft
1	x	4	x	4	x	1/4	=	4 Cft
1	x	2-3/4	x	2-1/2	x	1/4	=	2 Cft
1	x	2	x	2-1/2	x	1/4	=	1 Cft
2	x	2	x	2-1/2	x	1/4	=	3 Cft
4	x	4	x	4-1/2	x	1/4	=	18 Cft
3	x	3-1/2	x	5-1/2	x	1/4	=	14 Cft
1	x	3-1/4	x	4-1/2	x	1/4	=	4 Cft
4	x	5	x	4	x	1/4	=	20 Cft

Total: = 171 Cft

@ 350.30 P Cft Rs.59901/-

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

All New Hozi Slab

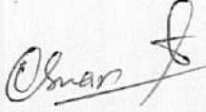
1 x 171 x 6.75 x 0.4536 = 524 Kgs


Total: = 524 Kgs

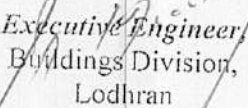
@ 25962.00 % Kgs Rs.136041/-

Total Rs.482578/-

Say Rs.482600/-

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran



# DETAILED ESTIMATE FOR THE WORK REPAIR OF ROADS, FOOT PATH AND TUFF PAVEMENTS ETC.

## 1 Dismantling and removing road metalling.

### Repair of Roads

Parking road	1	x	140	x	2	x	1/2	140 Cft
	1	x	150	x	2	x	1/2	150 Cft
	3	x	170	x	1 1/2	x	1/2	383 Cft
Outer road M.B.	1	x	350	x	2	x	1/2	350 Cft

<b>Total</b>	<b>1023 Cft</b>	
<b>@</b>	<b>1,647.35 % Cft</b>	<b>Rs. 16852</b>

## 2 Providing double surface treatment to roads, including supply of bitumen and bajri /crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajri and rolling with road roller (including its operation cost, fuel and hire charges, etc) etc. complete including carriage of all materials to site of work except bajri / crushed stone aggregate.

### 2) 2nd coat:-

i) 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size 1/2" (13 mm) per %sft or 1.23 Kg bitumen and 0.008 cu. metre bajri per sq.met re.

### 3) 3rd coat:-

14 lbs. bitumen, and 1.5 Cft. bajri of nominal size 1/4" (6 mm) per %sft or 0.69 Kg bitumen and 0.005 cubic metre bajri per sq.met re.

Parking road	1	x	140	x	25	3500 Sft
	1	x	150	x	25	3750 Sft
	3	x	170	x	25	12750 Sft
Outer road M.B.	1	x	350	x	15	5250 Sft
	2	x	430	x	15	12900 Sft
Emergency Ent	3	x	30	x	32	2880 Sft
Near Turbine /	3	x	15	x	50	2250 Sft
Parking						
Main Gate outer	1	x	50	x	20	1000 Sft

<b>Total</b>	<b>44280 Sft</b>	
<b>@</b>	<b>3,112.20 % Sft</b>	<b>Rs. 137808</b>

## 3 Dismantling brick or flagged flooring with out concrete foundation.

Soling	1	x	700	x	3	2100 Sft
	2	x	350	x	3	2100 Sft
	2	x	470	x	3	2820 Sft

<b>Total</b>	<b>7020 Sft</b>
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Tuff Paver	2	x	358	x	3	2148 Sft
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<b>Total</b>	<b>9168 Sft</b>	
<b>@</b>	<b>700.15 % Sft</b>	<b>Rs. 64190</b>

## 4 Providing and laying watering ramming brick ballast 1-1/2" to 2" gauge mixed with 25% sand complete in all respects.

	1	x	700	x	3	x	1/3	693 Cft
	2	x	350	x	3	x	1/3	693 Cft
	2	x	470	x	3	x	1/3	931 Cft

### Repair of Roads

Parking road	1	x	140	x	2	x	3/8	105 Cft
	1	x	150	x	2	x	3/8	113 Cft
	3	x	170	x	1 1/2	x	3/8	287 Cft
Outer road M.B.	1	x	350	x	2	x	3/8	263 Cft

(9)

1	x	20	x	5	x	3/8	38 Cft
1	x	10	x	4	x	3/8	15 Cft
1	x	15	x	8	x	3/8	45 Cft
3	x	15	x	5	x	3/8	84 Cft

Total	3267 Cft
@	5,161.30 % Cft Rs. 168620

5 P/L Cement concrete plan 1 : 2 : 4 i/c finishing

Repair of Roads

Parking road	1	x	140	x	2	x	1/4	70 Cft
	1	x	150	x	2	x	1/4	75 Cft
	3	x	170	x	1 1/2	x	1/4	191 Cft
Outer road M.B.	1	x	350	x	2	x	1/4	175 Cft
	1	x	20	x	5	x	1/4	25 Cft
	1	x	10	x	4	x	1/4	10 Cft
	1	x	15	x	8	x	1/4	30 Cft
	3	x	15	x	5	x	1/4	56 Cft

Total	632 Cft
@	28,918.55 % Cft Rs. 182760

6 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 (60-mm thick).

1	x	700	x	3	2100 Sft
2	x	350	x	3	2100 Sft
2	x	470	x	3	2820 Sft

Total	7020 Sft
@	127.40 P Sft Rs. 894340

7 Re-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 (60-mm thick).

2	x	350	x	3	2100 Sft
2	x	150	x	3	900 Sft

Total	3000 Sft
@	20.10 P Sft Rs. 60300

8 Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect .

a) With Painting

(i) 14" high

Road edging	2	x	550	1100 R-ft
	4	x	300	1200 R-ft
	1	x	350	350 R-ft

Total	2650 R-ft
@	352.40 R-ft Rs. 933860

Total Rs.369901

Cost of Old Material

Bricks	1	x	7020	x	550	x	50	19305 Nos
				100		100		

Total	19305 Nos
@	3,000.00 %oNos Rs. 57915



Bats

$$1 \times 7020 \times \frac{3}{8} \times \frac{50}{100}$$

1316 Cft

Total  
@

1316 Cft  
2,000.00 % Cft Rs. 26320

Total Deduction Rs. 84235

Rs. 3699017/- - Rs. 84235/-

Balance Rs. 361478

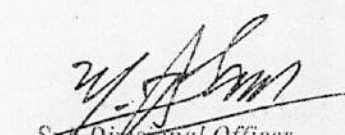
Total Rs. 361478

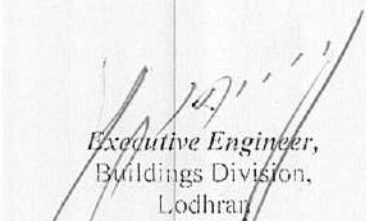
Add 03% for Contingencies Rs. 108443

Total Rs. 372322

Say Rs. 372320

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

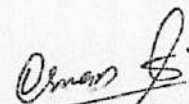
  
Executive Engineer,  
Buildings Division,  
Lodhran

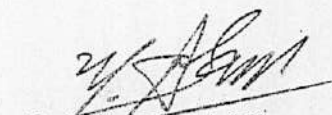
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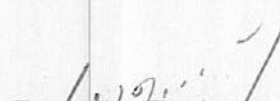
WATER FILTRATION PLANT (REVERSE OSMOSIS)  
R.O PLANT

GENERAL ABSTRACT OF COST

SUB WORK NO. 3	Plant Room	1 No.	Rs.	1662513
SUB WORK NO. 4	Water Purification Plant (R.O)	1 No.	Rs.	2351300
Total			Rs.	4013813
Add 03% Office Contingency			Rs.	120414
Total			Rs.	4134227
Say			Rs.	4134200

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

### Sub Work No. 3

## PLANT ROOM

14" X 14"

194

## Chap 3 Item # 21b

- Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto one chain 100 ft. and lift upto 5 ft. in ordinary soil

L/W	3.00	x	18.375	x	3.25	x	2.50	=	448	Cft.
X/W	2.00	x	11.875	x	3.25	x	2.50	=	193	Cft.
X/W	2.00	x	3.875	x	3.25	x	2.50	=	63	Cft.
Toe wall	2.00	x	23.00	x	1.5	x	1.00	=	69	Cft.
	2.00	x	27.13	x	1.5	x	1.00	=	81	Cft.
							Total		854	Cft.
			854 Cft @ Rs		8727.85	%0 Cft		=	Rs.	7,455

- 2 Cement concrete brick or stone ballast 1- 1/2" to 2" gauge in foundation and plinth.(1:6:18)

L/W	3.00	x	18.375	x	3.25	x	0.75	=	134 Cft.
X/W	2.00	x	11.875	x	3.25	x	0.75	=	58 Cft.
X/W	2.00	x	3.875	x	3.25	x	0.75	=	19 Cft.
					Total			=	211 Cft.
			211.0 Cft @ Rs		12661.50	% Cft	=	Rs.	26,716

- 3 Dry rammed brick or stone ballast, 1½" to 2"

Toe wall	2.00	x	23.00	x	1.5	x	0.33	=	23 Cft.
	2.00	x	27.13	x	1.5	x	0.33	=	27 Cft.
	Total							=	50 Cft.
	50.0 Cft @ Rs.		4474.80		% Cft		=	Rs.	2,237

- 4 Pacca brick work 1:6 cement sand mortar foundation and plinth up to 10 Ft height

L/W	3.00	x	17.375	x	2.25	x	0.25	=	29 Cft.
	3.00	x	17.000	x	1.875	x	0.25	=	24 Cft.
	3.00	x	16.625	x	1.500	x	0.25	=	19 Cft.
	3.00	x	16.250	x	1.125	x	4.50	=	247 Cft.
X/W	2.00	x	12.875	x	2.25	x	0.25	=	14 Cft.
	2.00	x	13.250	x	1.875	x	0.25	=	12 Cft.
	2.00	x	13.625	x	1.500	x	0.25	=	10 Cft.
	2.00	x	14.000	x	1.125	x	4.50	=	142 Cft.
X/W	2.00	x	4.875	x	2.25	x	0.25	=	5 Cft.
	2.00	x	5.250	x	1.875	x	0.25	=	5 Cft.
	2.00	x	5.625	x	1.500	x	0.25	=	4 Cft.
	2.00	x	6.000	x	1.125	x	4.50	=	61 Cft.
Toe wall	2.00	x	22.63	x	1.125	x	0.25	=	13 Cft.
	2.00	x	22.25	x	0.750	x	2.50	=	83 Cft.
Toe wall	2.00	x	27.50	x	1.125	x	0.25	=	15 Cft.
	2.00	x	27.88	x	0.750	x	2.50	=	105 Cft.
Steps	1.00	x	16.25	x	1.000	x	0.50	=	8 Cft.
	1.00	x	6.00	x	1.000	x	0.50	=	3 Cft.
					Total			=	800 Cft.
					800 Cft @ Rs	21808.20	% Cft		Rs. 174,524

- 5 Providing and laying 1.5" damp proof course of cement concrete 1:2:4 ( using cement, sand and shingle) with 2 coats of bitumen.

L/W	2.0	x	2.00	x	16.250	x	1.125	=	73 Sft
L/W	1.0	x	1.00	x	16.250	x	1.125	=	18 Sft
X/W	2.0	x	2.00	x	14.000	x	1.125	=	63 Sft
X/W	2.0	x	2.00	x	6.000	x	1.125	=	27 Sft
							Total	=	181 Sft
Deductions									
L/W	1.0	x	1.00	x	6.000	x	1.125	=	7 Sft
X/W	2.0	x	1.00	x	6.000	x	1.125	=	14 Sft
X/W	2.0	x	1.00	x	6.375	x	1.125	=	14 Sft
							Total	=	35 Sft
							Net Total	=	147 Sft
					147 Sft @ Rs	6932.90	P. % Sft		

147 Sft @ Rs.	6932.90	P.% Sft	Rs.	10.178
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- 6 Providing and laying Vertically damp proof course of 1/2" Thick cement concrete 1:3 (using cement, sand and shingle) with 1 coat of bitumen.

Long wall	1	x	68.00	x	1.25	=	85 Sft		
						Total	=	85 Sft	
						85 Sft @ Rs	4348.05	P.% Sft	Rs. 3,670

- 7 Filling watering ramming Earth under floor with Surplus Earth from outside lead upto 1 chain 2/3 Part of item no. 1

						854	x	0.667	=	569 Cft.	
						Total	=			569 Cft.	
						569 Cft @ Rs	4197.60	P.% Cft	Rs.	2,390	

- ii Filling watering ramming earth under floor with new earth excavated from out side lead up to one chain

Flooring room	1	x	14.00	x	14	x	2.63	=	515 Cft.
Verandah	1	x	14.00	x	6	x	2.63	=	221 Cft.
Toe wall apron	2	x	20.75	x	2.25	x	1.63	=	152 Cft.
Toe wall apron	2	x	23.38	x	2.25	x	1.63	=	171 Cft.
						Total	=		1058 Cft.

Deductions

Surplus earth										569 Cft	
						Total	=			569 Cft	
						Net Total	=			488 Cft	
						488 Cft @ Rs	9110.55	P.% Cft	Rs.	4,448	

- 8 Pacca brick work for ground floor in 1:6 cement sand mortar above P.L.

L/W	3.0	x	16.25	x	1.125	x	11.00	=	603 Cft.
X/W	2.0	x	14.00	x	1.125	x	11.00	=	347 Cft.
X/W	2.0	x	6.00	x	1.125	x	11.00	=	149 Cft.
Parapit	2.0	x	16.25	x	0.750	x	1.38	=	34 Cft.
Parapit	2.0	x	23.88	x	0.750	x	1.38	=	49 Cft.
						Total			1181 Cft.

Deduction

D	1	x	6.0	x	1.125	x	7.00	=	47 Cft.
W	2	x	4.0	x	1.125	x	4.00	=	36 Cft.
Lintle D	1	x	7.5	x	1.125	x	0.75	=	6 Cft.
Lintle W	2	x	5.0	x	1.125	x	0.50	=	6 Cft.
Lintle Ver	1	x	16.25	x	1.125	x	1.00	=	18 Cft.
Lintle Ver	2	x	7.00	x	1.125	x	1.00	=	16 Cft.
Verandah opening	2	x	6.38	x	1.125	x	8.00	=	115 Cft.
	2	x	6.0	x	1.125	x	8.00	=	108 Cft.
						Total			352 Cft.
Net	=		1181	-	352				829 Cft.

829 Cft @ Rs 23598.15 % Cft Rs. 195,629

- 9 Providing and laying reinforced cement concrete ( i/c pre stressed concrete ) , using coarse sand and screened graded and washed aggregate, in required shape and design, i/c forms, moulds, shuttering, lifting, compacting, curing rendering and finishing exposed surface, complete ( but excluding the cost of steel reinforcement, its fabrication and placing in position, complete

(a) (I).Reinforced cement concrete in roof slab , beams , columns , lintels , girders and other structural members laid in situ or pre cast laid in position , or pre stressed members cast in situ , complete in all respect. Type C (nominal mix 1:2:4

Lintle D	1	x	7.50	x	1.125	x	0.75	=	6 Cft.
Lintle W	2	x	5.00	x	1.125	x	0.50	=	6 Cft.
Lintle Ver	1	x	16.25	x	1.125	x	1.00	=	18 Cft.
Lintle Ver	1	x	7.00	x	1.125	x	1.00	=	8 Cft.
Slab	1	x	16.250	x	25.375	x	0.50	=	206 Cft.
Shade of doors	1	x	7.00	x	1.500	x	0.25	=	3 Cft.
Shade of window	2	x	5.00	x	1.500	x	0.25	=	4 Cft.
Shade of verandah	1	x	16.25	x	1.500	x	0.25	=	6 Cft.
						Total			257 Cft.

Net 257 Cft @ Rs 471.80 P/Cft Rs. 121,135

- 10 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 bending of steel reinforcement ( also includes removal of rust from bars ) Deformed bars

	1	x	256.75	x	6.750	x	0.45	=	786 Kgs
						786 Kg	25962.00	%Kg	Rs. 204,092



96

- 11 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height (1:3).

Room	1	x	1.0	x	14.00	x	14.00	=	196 Sft
Veranda	1	x	1.0	x	14.00	x	6.00	=	84 Sft
Shade	1	x	1.00	x	16.25	x	1.75	=	28 Sft
Shade	2	x	1.0	x	5.00	x	1.75	=	18 Sft
Shade	1	x	1.0	x	7.00	x	1.750	=	12 Sft
								Total	= 338 Sft

338 Sft @ Rs. 2955.85 % Sft Rs. 9,996

- 12 Cement plaster 1/2" thick 1: 4, upto 20' height.

Room	1	x	2.0	x	14.00	x	10.50	=	294 Sft
	1	x	2.0	x	14.00	x	10.50	=	294 Sft
Veranda	1	x	2.00	x	6.00	x	6.00	=	72 Sft
	1	x	2.0	x	14.00	x	6.00	=	168 Sft
Parapit	1	x	1.0	x	77.25	x	2.125	=	164 Sft
								Total	= 992 Sft

992 Sft @ Rs. 2591.50 % Sft Rs. 25,712

- 13 Supplying and filling sand under floor or plugging in well

Room	1	x	14.0	x	14.00	x	0.33	=	65 Cft.
Verandah	1	x	14.0	x	6.00	x	0.33	=	28 Cft.
appron	1.00	x	88.25	x	2.25	x	0.25	=	50 Cft.
								Total	= 142 Cft.

142 Cft @ Rs. 2743.20 % Cft Rs. 3,896

- 14 Providing laying remmaing brick ballast 1 1/2" to 2" guage mixed with 25 % sand for floor foundation complete in all respect.

Flooring room	1.00	x	14.00	x	14	x	0.33	=	65 Cft.
Verandah	1.00	x	14.00	x	6	x	0.33	=	28 Cft.
appron	1.00	x	88.25	x	2.25	x	0.25	=	50 Cft.
T Paver	1.00	x	16.25	x	20	x	0.33	=	107 Cft.
								Total	= 249 Cft

249 Cft @ Rs. 5161.30 Per % Cft = Rs. 12,852

- 15 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4

Verandah	1.00	x	14.00	x	6	x	0.13	=	11 Cft.
Opening	2.00	x	6.38	x	1.125	x	0.13	=	2 Cft.
Opening	2.00	x	6.00	x	1.125	x	0.13	=	2 Cft.
								Total	= 14 Cft

14 Cft @ Rs. 28918.55 Per % Cft = Rs. 4,049

- 16 P/L marble strip of any shade dividing the mosoic flooring into panels 1- 1/2"x3/8" size

Room			4.000	x	14.00	=	56 Rft
			4.000	x	14.00	=	56 Rft
Plinth		1.0 x	30.000	x	3.00	=	90 Rft
						Total	= 202 Rft

202.0 Rft @ Rs. 15.85 P. Rft Rs. 3,202

- 17 P/L. foping of cement concate 1:2:4 i/c surface finshing and dividing in pannel 1-1/2" thick complete in all respect

Room	1	x	14.00	x	14.00	=	196 Sft
D	1	x	6.00	x	1.125	=	7 Sft
Plinth	1	x	91.25	x	3.00	=	274 Sft
						Total	= 477 Sft

476.5 Sft @ Rs. 5595.95 % Sft Rs. 26,665

- 18 Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1/2"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: 1/2"(13 mm) thick

Room	1	x	56.00	x	0.50	=	28 Sft
Step	1	x	16.25	x	2.000	=	33 Sft
	1	x	6.00	x	2.00	=	12 Sft
						Total	= 73 Sft

72.5 Sft @ Rs. 16638.15 % Sft Rs. 12,063

- 19 Single layer of tiles 9"x4-1/2" x 1 1/2" laid over 4" earth and 1" mud plaster with out bhoosa grouted with cement sand 1:3 on top of RCC roof slab RCC provided with 34 LBS bitumen coating sand blined.

Room	1.0	x	14.75	x	23.88	=	352 Sft		
						Total	=	352 Sft	
	352 Sft @ Rs		8638.40	% Sft				Rs.	30,421

97

- 20 Providing and fixing panelled door of M.S. sheet, with forged door leaves of M.S. sheet 22 SWG fitted in hollow frame chowkat 3"x4 1/2" (75 mm x 113 mm) made of M.S. sheet 18 SWG filled with plain cement concrete 1:3:6 etc. complete with all fittings and hammer painting, including carriage to site and fixing in position.

1	x	1.0	x	6.0	x	7.0	=	42 Sft	
						Total	=	42 Sft	
	42.0 Sft @ Rs		646.00	P. Sft				Rs.	27132

- 21 P/Fixing steel window with openable glazed panels making beams section for frame 1 1/2" x 1" x 5/8" section for leaves 3/4" x 1" x 3/8" T-section 1" x 1" x 1/8" embedded over a thin layer of putty duly screed with leaves brass fittings holds fast, duly painted complete in all respect i/c cost of approved design as directed by the Engineer Incharge fixed with wire gauze 22 SWG. Glass panes 3mm thick window.

W	2	x	4	x	4	=	32 Sft		
					Total	=	32 Sft		
	32.0 Sft @ Rs		805.85	P. Sft				Rs.	25,787

#### Chap 25 Item # 58

- 22 Providing and fixing M.S. flat 1/2" x 1/8" (13mm x 3mm) grill including 3/4" x 1/8" (20 mm x 3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects

W Grill	2	x	4	x	4	=	32 Sft		
Ver	2	x	6	x	8	=	96 Sft		
Ver	2	x	6.375	x	8	=	102 Sft		
					Total	=	230 Sft		
	230.0 Sft @ Rs		410.75	P. Sft				Rs.	94,473

- 23 Khassir Parnalas in cement sand mortar 1:2 12" out side width finished smooth with and floating coat of neat cement.

2	x	13	=	26 Rft	
		Total	=	26 Rft	
26.0 Rft @ Rs		145.05	P. Rft		Rs. 3,771

- 24 Bottom khurras or brick masonry in cement mortar 1:6, 4" x 2" x 4" over 3" cement concrete 1:4:8

1	x	2	=	2 Nos	
2 No @ Rs		1206.25	Each		Rs. 2,413

- 25 khurras on roof 2x2x6

1	x	2	=	2 Nos	
2 No @ Rs		679.30	Each		Rs. 1,359

- 26 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 or the cost of sandaler for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.

Full body Glazed Tile (400mm x 400mm)

Ver	2	x	14.00	x	5	=	140.0 Sft		
	2	x	6.00	x	5	=	60.0 Sft		
For Drain	2	x	14.00	x	2	=	56 Sft		
					Total	=	256 Sft		
Deduction									
Ver opening	2	x	6.42	x	5	=	64 Sft		
					Total	=	192 Sft		
	192 Sft @ Rs		260.70	% Sft				Rs.	50,002

- 27 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 / the cost of sealer for finishing the joints / cutting grinding complete in all respect as approved and directed by the Engineer Incharge.  
Full body Glazed tiles

Ver	1	x	14.00	x	6	=	84.0 Sft		
Ver opening	4	x	6.00	x	1.125	=	27.0 Sft		
					Total	=	111 Sft		
	111 Sft @ Rs		260.70	% Sft				Rs.	28,938

- 28 Cement pointing struck joints, on walls, upto 20' high including Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks. a) ratio 1:2

L/W	2	x	25.375	x	13.875	=	704 Sft		
X/W	2	x	16.25	x	13.875	=	451 Sft		
T/W	1	x	107.250	x	1.500	=	161 Sft		
					Total	=	1316 Sft		
Deductions									
D	1.00	x	6.000	x	7.000	=	42 Sft		
W	2.00	x	4.000	x	4.000	=	32 Sft		
Ver	4.00	x	6.000	x	8.000	=	192 Sft		
					Total	=	266 Sft		
					Net Total	=	1050 Sft		
	1050 Sft @ Rs		3388.40	% Sft				Rs.	35,577

- 29 Providing and Installing electrical accessories

1 Job @ Rs	69137.00	Each		Rs.	69,137
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- 30 Provision for dispose of waste water arrangement

1 Job @ Rs	188353.26	Each		Rs.	188,353
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- 31 Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. For Grill

Window	1	x	16.00	x	8	=	128 Rft		
Varanda opening	1	x	16.00	x	6	=	96 Rft		
Drain	1	x	50.00	x	1	=	50 Rft		
					Total	=	274 Rft		
	274 Rft @		0.81	Kg/Rft			222 Kg		
	222 Kg @ Rs		27301.65	% Kg				Rs.	60,743

- 32 Distempering new surface three coats.

Room	1	x	2	x	14	x	10.50	=	294 Sft
	1	x	2	x	14	x	10.50	=	294 Sft
Veranda	1	x	2	x	6	x	6.00	=	72 Sft
	1	x	2	x	14	x	6.00	=	168 Sft
Ceiling	1	x	1	x	14	x	14.00	=	196 Sft
	1	x	1	x	14	x	6.00	=	84 Sft
					Total	=	1108 Sft		
	1108 Sft @ Rs		1150.30	% Sft				Rs.	12,745

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

325.00 Sft @ Rs.	127.40	Per Sft	Sft	=	Rs.	41,405
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- 34 Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethylene of approved manufacturer / cost of making connection for inlet/outlet pipe, float valve / call cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.

3 x	500	1500 Gln @ Rs	92.90	P/Gallon	=	Rs.	139,350
				Total	=	Rs.	1,662,513

Sub Engineer

Sub-Divisional Officer,  
Buildings Sub Division,  
Dunya pur

Executive Engineer,  
Buildings Division,  
Lodhran.







## DETAILS ELECTRIFICATION INSTALLATION

(99)

1) Supply & erection of PVC pip for wiring recessed in walls including inspection box pull box, hooks, cutting, jhans & repairing surface etc complete in all respect. 20 mm i/d (MRS C-24 / I-3(iii))							
	1.00	x	57	=	57.00 Mtr		
			Total	=	57.00 Mtr		
	57.00 Mtr		@ Rs.	246.15	P. Mtr	Rs.	14031
2) S/E single core PVC insulated copper conductor cable in prelaidd pvc pipe(rate of cable only) complete in all respect. (MRS Ch.24/It.11(v))							
i 250/440 volts 7/44:	1.00	x	85	=	85.00 Mtr		
			Total	=	85.00 Mtr		
	85.00 Mtr		@ Rs.	198.75	P. Mtr	Rs.	16894
ii 250/440 volts 3/29:	1.00	x	170	=	170.00 Mtr		
			Total	=	170.00 Mtr		
	170.00 Mtr		@ Rs.	68.70	P. Mtr	Rs.	11679
iii 250/440 volts 7/0.064"	1.00	x	17	=	17.00 Mtr		
			Total	=	17.00 Mtr		
	17.00 Mtr		@ Rs.	462.55	P. Mtr	Rs.	7863
3 S/Erection of iron/alluminium clad 500 volt main switches with triple pole and neutral link and HRC fuses on angle iron board with 3mm (1/8") thick M.S sheet covering i/c bonding to earth with necessary flexible pipe and thimbles (MRS C-24/I-19) 60/65 AMP							
				=	1.00 No		
			Total	=	1.00 No		
	1.00 No		@ Rs.	4426.80	P. No	Rs.	4427
4 Supply & Erectio of M.S sheet box of 16 SWG (4") deep with 3/16" thick bakelite sheet top for recessed wiring i/c making holes for regulator swithces plug etc (9"x4") (Ch-24-14-iii) (9"x4")							
				=	2 No.		
	2	No.	@ Rs.	399.75	P. No.	Rs.	800
5 Supply & Errection of ceiling rose bakelite (MRS C-24/I-30)							
				=	4.00 No.		
	4.00 No.		@ Rs.	55.90	P. No.	Rs.	224
6 Supply & Errection of switches 5 AMP piano Type (MRS C-24/I-31(ii))							
				=	20 No.		
	20	No.	@ Rs.	60.70	P. No.	Rs.	1214
7 Supply & Errection Button Holder back lite sheete large size (MRS C-24/I-27)							
				=	6 No.		
	6	No.	@ Rs.	45.35	P. No.	Rs.	272
8 Supply and erection of wall socket with 3 pin 5 Amp, shoe complete in all respect (C.24(33-35-ii)							
				=	1 No.		
	1.00 No.		@ Rs.	94.50	% No.	Rs.	95
				=	1 No.		
Recessed type	10/15 Amp		@ Rs.	126.50	% No.	Rs.	127
	1.00 No.						

9 Supply of Energy Saver 24-watt complete in all respects as approved by the Engineer Incharge.

= 10 No.

10 No. @ Rs. 260.00 P. No. Rs. 2600

10 Provision made for 56" ceiling fan. (N.S)

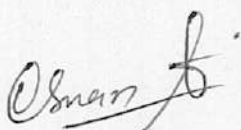
1 Job @ Rs. 6500.00 P. Job Rs. 6500

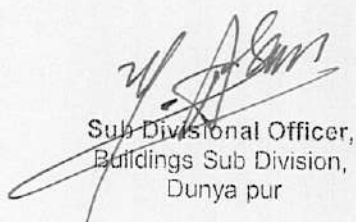
11 Supply and erection of wall type/pole type bracket, with double cover water tight reflector, flexible wire and brass bolder.

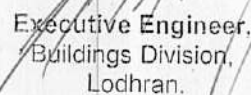
= 3 Set

3 Set @ Rs. 803.60 P. Set Rs. 2411

Total Rs. 69137

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division,  
Dunya pur

  
Executive Engineer,  
Buildings Division,  
Lodhran.

## Detail Of Sanitary fittings and Waste Water Arrangement

101

### For Sanitary fittings

#### Chap 23 Item # 22

- 1) Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 3" i/d

1      x      12      =      12 Rft

Total:-      =      12 Rft

12 Rft      @ Rs: 941.10      P. Rft.      Rs: 11293

#### Chap 19 Item # 26-ii

- 2 Providing, and fixing chromium plate bib cock 1/2" (1.5 cm)

8      No      @ Rs: 466.20      Each      Rs: 3730

- 3 Making hole in G.I pipe and welding socket etc. complete in all respect. (N.S)

8      No      @ Rs: 550.00      Each      Rs: 4400

- 4 P/F Polypropylene Random Copolymer (PPRC) Pipe (Dadex / Beta / BBJ) .  
i) 25-mm dia.

1      x      60      =      60 Rft

Total:-      =      60 Rft

60 Rft      @ Rs: 46.60      P. Rft.      Rs: 2796

- ii 32-mm dia.

1      x      110      =      110 Rft

Total:-      =      110 Rft

110 Rft      @ Rs: 75.20      P. Rft.      Rs: 8272

- iii 40-mm dia.

3      x      180      =      540 Rft

Total:-      =      540 Rft

540 Rft      @ Rs: 103.60      P. Rft.      Rs: 55944

### For Water Waste Arrangement

- 5 Earth work excavation in open cutting for sewer and man holes as shown in drawings i/c shuttering and timbering, dressing to correct section and dimension according to templates and levels, and removing surface water, in all type of soil except shingle, gravel and rock. 0 ft. to 7.0 ft. (0 to 2.10 m) depth (C.3/42(I))

1      x      149      x      1.50      x      3      =      559 Cft.

559 Cft      @ Rs: 7272.55      %o Cft.      Rs: 4064

- 6 Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" dia

60 Rft      =      60 Rft

Total:-      =      60 Rft

60 Rft      @ Rs: 382.70      P. Rft      Rs: 22962

- 7 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. 5911: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. 6" dia

1      x      150      =      150 Rft

150 Rft      @ Rs: 226.95      P. Rft      Rs: 34043

- 8 Constructing standard gully grating chamber, 3'x2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects. (C.21-(8))

1 No      =      1 No.  
@ Rs: #####      P.No.      Rs: 12858

- 9 Chamber, 2' x 2'.  
(Analysis Attached)

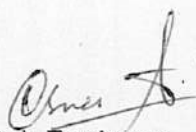
2 No.      @ Rs: 13613      Each      Rs: 27226


10 Rehandling of Earth work lead upto 50ft (MRS C-3/I-13b)

559 x 0.67 = 372.13 Cft

372.13 Cft @ Rs. 2059.20 %o cft Rs: 766

Total: - Rs: 188353

  
Sub Engineer

  
Sub Divisional Officer,  
Buildings Sub Division  
Lodhran



# CHAMBER 2' X 2'

103

## Chapter 3 Item 21b

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

$$3.5 \times 3.5 \times 2.5 = 30.63 \text{ cft.}$$

Total

30.63 cft.

%Cft.

7272.55

223 /-

## Chapter 6 Item 3d

2. Cement concrete brick or stone ballast 1.5" to 2" gauge in foundation and plinth (1:6:18)

$$3.500 \times 3.5 \times 0.50 = 6.125 \text{ cft.}$$

6.13 %Cft.

12661.55

776 /-

## Chapter 7 Item 7 i

3. Pacca brick working cement (1:4) other than building

$$\begin{aligned} 2.00 \times 3.50 \times 0.75 \times 2.00 &= 11 \text{ cft.} \\ 2.00 \times 2.00 \times 0.75 \times 2.00 &= 6 \text{ cft.} \end{aligned}$$

## Chapter 11 Item 9

Total:

16.5 cft.

17 %Cft.

23864.15

3,938 /-

- 4 Cement plaster 1 : 4 upto 20 ft. height(b) 1/2" thick.

$$\begin{aligned} 4 \times 2.00 \times 2 &= 16.0 \text{ %Sft.} \\ 2 \times 3.50 \times 0.75 &= 5.3 \text{ %Sft.} \\ 2 \times 2.00 \times 0.75 &= 3.0 \text{ %Sft.} \end{aligned}$$

Total:-

24.25

Total:-

24.25 %Sft.

2591.50

628 /-

## Chapter 6 Item 5f

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

$$2 \times 2 \times 0.250 = 1.00 \text{ Cft}$$

1.00 %Cft.

28918.55

289 /-

## Chapter 6 Item 6a

(a) (i) 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 respect.

(3) (C) Type C (nominal mix 1: 2: 4)

$$1 \times 3.50 \times 3.50 \times 0.5 = 6.125 \text{ Cft.}$$

471.80

2,890 /-

## Chapter 6 Item 9b

- 7 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars)

(b) deformed bars 40 grade

$$6.125 \times 6.75 \text{ lb. / Cft.} = 41.34 \text{ lbs}$$

$$41.34 \text{ lbs} \div 2.204 = 18.76 \text{ Kg}$$

41.34 lbs

18.76 Kg

18.76 %Kg.

25962.00

4,870 /-

Total:

Rs. 13,613 /-

Sub Engineer

Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

Executive Engineer  
Buildings Division  
Lodhran

(104)

**ANALYSIS OF RATE FOR "PROVIDING AND FIXING AT SITE OF WORK REVERSE OSMOSIS DRINKING WATER PLANT WITH WITH ULTRA FILTRATION TECHNOLOGY & ARSENIC (POISON) FILTER UNIT ETC COMPLETE IN ALL RESPECTS AS APPROVED BY THE ENGINEER.**

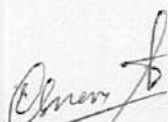
UNIT OF RATE: EACH


Sr.	Item	Qty	Unit	Rate	Amount
(A)	<b>MATERIAL</b>				
1	Reverse Osmosis Drinking Water Plant complete i/c GST	1 No.	Each	2090000	2090000
			Total '(A)'		2090000.00
	Add 12.50% Contractor Profit and over head charges.				261250.00
Grand Total					2351250.00


**ITEM RATE**

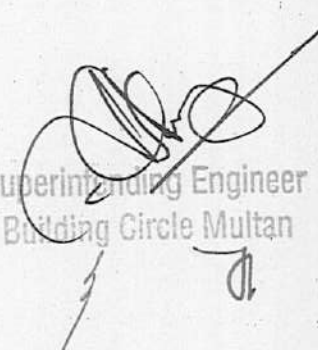
Complete Rate Each

Rs. 2351250.00 Say: 2,351,300/-

  
Sub Engineer

  
Sub Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

  
Superintending Engineer  
Building Circle Multan



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**PROPOSAL**

**REVERSE OSMOSIS DRINKING  
WATER PLANT**

**With**

**ULTRA FILTRATION TECHNOLOGY  
&  
ARSENIC (POISION) FILTER UNIT**

**For**

**EXECUTIVE ENGINEER BUILDINGS  
LODHAN**

Capacity up to 1000 Liters per hour  
RAW WATER TDS: 2500 PPM Max.

PROPOSAL #1327/BUILD-Ldhr

Date: 09-02-2022  
PREPARED BY: MIRZA NAUMAN UL HAQ  
SAFE WATER TECH (Pvt) Ltd  
LAHORE

Plot # E-399-2A Gulistan Colony  
Behind Al-Shifa Hospital Ghazi Road, Lahore  
Cell: 0321-7777347, 0345-7885992  
E-mail: mirzanauman1@gmail.com







## PROPOSED SYSTEM BY SAFE WATER TECH

### 1. SS SKID:

Duty	:	One unit RO Assembling
Quantity	:	01-no.
Material	:	Stainless Steel
Make	:	Safe Water Tech
Size	:	10ft. x 34"

### 2. RAW WATER FEED PUMP:

#### Features:

Duty	:	Raw Water Feed Pump
Quantity	:	01-no.
Flow rate	:	18-20 GPM
Make	:	CNP
Power	:	1-HP
Pump Material	:	Stainless Steel
Impellers	:	Stainless Steel





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### 3. PRESSURE SAND FILTER FRP:

**Salient Features** FRP pressure vessels offer composite fiberglass construction for outstanding performance and durability in harsh chemical environments.

Operating parameters

Maximum operating pressure: 150 psi

Maximum operating temperature: 150° F

Design parameters – Pentair

Safety factor 4:1 (Minimum burst at 600 psi)

Cycle test: 250,000 cycles without leakage

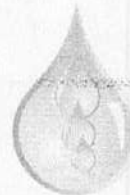
Design parameters – NSF

Safety Factor: 4:1 (Minimum burst at 600 psi)

Cycle test: 100,000 cycles without leakage

Design parameters – ASME

<b>Make</b>	<b>Pentair / Euro Tech</b>
<b>Model</b>	FRP
<b>Flow Rate</b>	20 GPM Continuous
<b>Inlet &amp; Out Let</b>	1"
<b>Material</b>	FRP (Food Grade)
<b>Dia</b>	16"
<b>Total Height</b>	65"
<b>Filtration Media</b>	Silica Sand (Food Grade)
<b>Control</b>	Semi Auto Control Valve
<b>Quantity</b>	01-No



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**4. FILTRATION MEDIA:**

<b>Duty</b>	Filtration of all suspended particles like Dust, Rust, Silt, Scale up to 25-Microns from Raw Water
Filtration Media	Silica Sand (Food Grade)
Mash Size	16-18-20 Mixed Bed
<b>Quantity</b>	<b>200-kg + gravel</b>

**5. SEMI AUTO MULTI-PORT VALVE:**

<b>PURPOSE</b>	Backwash, Rinse & filtration control to get fine filtration results
Type	Top Mounted
Control	Adjustable
Material	PVC (Food Grade)
Size	1"
<b>Quantity</b>	<b>01-No</b>

**6. HEAVY DUTY JUMBO SEDIMENT FILTER:**

<b>Duty</b>	Filtration of suspended particles Like Dust, Rust, Silt, Scale up to 5-Microns.
Make	Taiwan
Flow Rate	20-GPM Continuous
Inlet & Out Let	1"
Material	Poly Propylene (Food Grade)
Size	20"
Filter Cartridge	5-Micron Yarn Cartridge
<b>Quantity</b>	<b>01-No</b>



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7. **ARSENIC REMOVAL FILTER FRP:**

**Salient Features** FRP pressure vessels offer composite fiberglass construction for outstanding performance and durability in harsh chemical environments.

Operating parameters

Maximum operating pressure: 150 psi

Maximum operating temperature: 150° F

Design parameters – Pentair

Safety factor 4:1 (Minimum burst at 600 psi)

Cycle test: 250,000 cycles without leakage

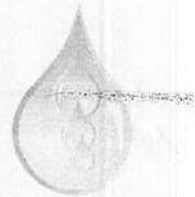
Design parameters – NSF

Safety Factor: 4:1 (Minimum burst at 600 psi)

Cycle test: 100,000 cycles without leakage

Design parameters – ASME

<b>Make</b>	<b>Pentair / Euro Tech</b>
<b>Model</b>	<b>FRP</b>
<b>Flow Rate</b>	<b>20 GPM Continuous</b>
<b>Inlet &amp; Out Let</b>	<b>1"</b>
<b>Material</b>	<b>FRP (Food Grade)</b>
<b>Dia</b>	<b>16"</b>
<b>Total Height</b>	<b>65"</b>
<b>Arsenic Media</b>	<b>Arsenic Removal Filter</b>
<b>Control</b>	<b>Semi Auto Control Valve</b>
<b>Quantity</b>	<b>01-No</b>



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**8. ARSENIC MEDIA:**

<b>Duty</b>	Removal of arsenic (poison) from raw water
Filtration Media	Activated Alumina
Make	Made in Canada
Quantity	100-Kg

**9. SEMI AUTO MULTI-PORT VALVE:**

<b>PURPOSE</b>	Backwash, Rinse & filtration control to get fine filtration results
Type	Top Mounted
Control	Adjustable
Material	PVC (Food Grade)
Size	1"
Quantity	01-No

**10. HEAVY DUTY JUMBO SEDIMENT FILTER:**

<b>Duty</b>	Filtration of suspended particles Like Dust, Rust, Silt, Scale up to 5-Microns.
Make	Taiwan
Flow Rate	20-GPM Continuous
Inlet & Out Let	1"
Material	Poly Propylene (Food Grade)
Size	20"
Filter Cartridge	5-Micron Yarn Cartridge
Quantity	01-No





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# 11. ACTIVATED CARBON PURIFIER FRP:

## Salient Features

FRP pressure vessels offer composite fiberglass construction for outstanding performance and durability in harsh chemical environments.

Operating parameters

Maximum operating pressure: 150 psi

Maximum operating temperature: 150° F

Design parameters – Pentair

Safety factor 4:1 (Minimum burst at 600 psi)

Cycle test: 250,000 cycles without leakage

Design parameters – NSF

Safety Factor: 4:1 (Minimum burst at 600psi)

Cycle test: 100,000 cycles without leakage

Design parameters – ASME

Make	Pentair / Euro Tech
Model	FRP
Flow Rate	20 GPM Continuous
Inlet & Out Let	1"
Material	FRP (Food Grade)
Dia	16"
Total Height	65"
Control	Semi Auto Control Valve
Quantity	01-No



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**12. PURIFICATION MEDIA:**

Duty	Purify all insecticides, pesticides, herbicides unpleasant taste & up taste of chlorine and makes it sparkling crystal clear fresh for drinking
Purification Media	Thailand Europe
Bag	01-No
Quantity	25-kg

**13. SEMI AUTO MULTI-PORT VALVE:**

PURPOSE	Backwash, Rinse & filtration control to get fine purification results
Type	Top Mounted
Control	Adjustable
Material	PVC (Food Grade)
Size	1"
Quantity	01-No



• All Types of SS & MS Fabrication • Complete Range of Filling Units • Filling Lines of Water & Juices • Machines for Beverage Industries

**14. HEAVY DUTY JUMBO SEDIMENT FILTER:**

Duty	Filtration of all suspended particles Like Dust, Rust, Silt, Scale up to 5-Microns.
Make	Taiwan / Malaysia
Flow Rate	20-GPM Continuous
Inlet & Out Let	1"
Material	Poly Propylene (Food Grade)
Size	20"
Quantity	01-No

**15. Ultra Filtration Membrane Technology for Blending Purpose:**

Duty	Filtration of All Suspended Particles & Effective on Germs with latest Ultra Filtration Membrane Advantages of Ultra Filtration reduces turbidity, cysts, and other particles down to 0.025 micron in size. Multi-pore membrane structure combines seven single capillaries into one resistant structure to maximize membrane integrity, virtually eliminating the potential for fiber breakage. Requires only normal line pressure to operate Retains natural minerals content of the water Low pressure drop / high flow rates
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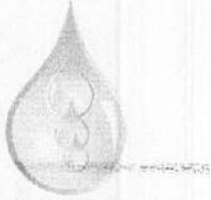
• All Types of SS & MS Fabrication • Complete Range of Filling Units • Filling Lines of Water & Juices • Machines for Beverage Industries

Make	Taiwan
Model	UF-500
Type	Ultra Filtration
Flow Rate	8 to 10 GPM
Membrane Size	4" x 40"
Membrane Qty	1-No
Vessel	4" x 40"
Vessel Qty	1-No
Unit Qty	01-No

16. **ANTI-SCALANT DOSING SYSTEM:**

Duty	:	Anti-Scaling Purpose for RO membrane
Pump Qty.	:	01-no.
Pressure	:	5 lit /5-bar
Electricity	:	Single Phase
Type	:	Online Chemical Dosing
Chemical Tank	:	P.E
Make	:	Polycon / Master Tuff
Tank Capacity	:	80-Liters
Make	:	Italy EU





• All Types of SS & MS Fabrication • Complete Range of Filling Units • Filling Lines of Water & Juices • Machines for Beverage Industries

## 17. REVERSE OSMOSIS PLANT

Duty	:	Reduce TDS of Water
Quantity	:	01no.
System Capacity	:	Up to 1000 LPH
Feed Water TDS	:	Less than 2500 PPM
Product Water TDS	:	Less than 90 PPM
Recovery	:	50-60 %
Operating Pressure	:	150- Psi
Recommended Pump	:	CRN 4-12
Flow Rate	:	1000-LPH
Typical Ion Rejection	:	95-98%
Membrane Require	:	01 No. (Brackish Water)
Membrane Make	:	Dow Filmtec / Hydranautic – USA
Membrane Size	:	8"x40"
Membrane Housing	:	01-no. FRP (food grade)
Array	:	1 (1-Elements Housing)
High Pressure Piping	:	1 ½"
Connection	:	1½" PVC Inlet
		1" PVC Permeate
		1½" PVC Concentrate



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#### MODEL FEATURES:

- ◆ 01 No. Stainless steel Frame & Skid
- ◆ 01 No. TDS Meter Online OR Portable
- ◆ 02 Nos. Flow meter Reject / Product
- ◆ 01 No. Double Pole Circuit Breaker with Contactor, Electrical Panel
- ◆ 01 No. 1/2" Interconnection Piping System
- ◆ 01 No. 1/2" Interconnection Piping System
- ◆ 01 No. Level Switch for Product Water Tank
- ◆ 03 No. Pressure Gauges
- ◆ 01 No. Concentrate Throttling Valve

#### REVERSE OSMOSIS UNIT

#### DETAIL FEATURES

##### I) HIGH PRESSURE PUMP:

Features:

Duty	:	Pressurize Feed to RO unit
Quantity	:	01-no.
Flow rate	:	Up to 2200- LPH
Make	:	CNP
Power	:	3-HP SS-Material
Type	:	Vertical Multi Stage



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**II) PRESSURE VESSEL:**

Features:

Duty	:	Serve as RO-Membrane Housing
Quantity	:	01-no.
Make	:	PPWT / KEDE / EQUIVALENT
Size	:	8" x 40"
Material	:	FRP
Burst Pressure	:	400 psi

**III) RO-MEMBRANE:**

Features:

Duty	:	Reduce TDS of Feed Water
Quantity	:	01-no.
Size	:	8" x 40"
Material	:	Poly Amide
Burst Pressure	:	400 psi
Type	:	Thin Film Composite
Make	:	Dow FILMTEC USA / Hydranautic USA



● All Types of SS & MS Fabrication ● Complete Range of Filling Units ● Filling Lines of Water & Juices ● Machines for Beverage Industries

**IV) FRAME & SKID:**

Features:

Duty	:	One Unit Assembling of RO-System
Quantity	:	01-No.
Material	:	STAINLESS STEEL
Make	:	SAFE WATER TECH

**V) Pipes & Fittings:**

Features:

Size	:	1 -Inch, & 1 ½ -Inch
Material	:	U-PVC / Schedule-80
Make	:	Pakistan

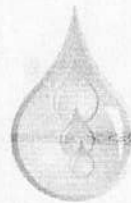
**VI) Electrical Panel:**

Double Pole Circuit Breaker with Contactor, Including panel control safety devices complete in all respects.

01 No. Low pressure switch

01 No. Level Switch for Product Water Tank





**18. PIPING & FITING:**

All PVC 1- Job (Food Grade) Material high pressure piping & fitting for assembling of filtration plant Complete PVC Fitting for above mentioned all filtration plant equipment's PVC Elbow, PVC Tee, PVC Wall Sockets, PVC Union, PVC Ball Valves, PVC Pipes Complete in all respects.

**CLIENT RESPONSIBILITIES:**

- i) All Civil works associated with the system.
- ii) Room Size 14' x 14' x 11' L-W-H
- iii) Door size 6'x6' ft.
- iv) Raw water storage tank 1000 Gallons Top of the Roof.
- v) Filtered Water Storage Tank White Color Pure Material Transparent  
Make Dura Capacity: 300 Gallons (1200 Liters)
- vi) Cross ventilation for plant room 2-Windows opposite side size 4' x4'
- vii) Connection to the Inlet / outlet with lines and system will be buyer's responsibility
- viii) Single Phase & 3 phase electric connections within battery limits
- ix) Accommodation & Food for 2-Persons during installation work



• All Types of SS & MS Fabrication • Complete Range of Filling Units • Filling Lines of Water & Juices • Machines for Beverage Industries

**COST:**

**RO Drinking Water Plant RS..2,090,000/- inclusive IT Only  
(Providing & fixing at site)**

**STANDARD TERMS AND CONDITIONS:**

Warranty	1-Year
Fitting	All PVC 1-Job
Delivery Time:	20-Days
Standard Payment Terms:	70% payment as an advance 30% after successful testing & commissioning

Thanking you and assuring you of our best professional services & co-operation.

Yours truly,

*M. Nauman*

Mirza Nauman ul Haq  
**SAFE WATER TECH**  
M: 0321 7777 347  
E: mirzanauman1@gmail.com

*Olman*

*Y. Asim*

Sub Divisional Officer  
Buildings Sub Division  
Lodhran

## GENERAL ABSTRACT

### Price Variation Statement

Name of work: BALANCE WORK OF REVAMPING OF ALL  
DHQ/15-THQ HOSPITALS IN PUNJAB ONE  
AT DISTRICT HEAD QUARTER LODHRAN

Agency: M/S Amjad Construction Co,  
(Govt. Contractor)

Amount of work: Rs. 84.463 (M)

Time limit: 18- Months

Tender date: 15.03.2022

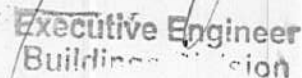
Date of commencement: 14.04.2022

Reference: Executive Engineer, Buildings Division,  
Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

Sr. No.	Description	Amount	
1	Cement	Rs	115473
2	Steel	Rs	27210
3	Bricks	Rs	92995
4	Brick Tiles	Rs	247
5	MS Section	Rs	67628
6	Diesel	Rs	2544286
7	Labour	Rs	1617867
8	Pipes	Rs	30359
9	Bitumen	Rs	693
10	Crush	Rs	6227
Total Amount "A"		Rs.	4502985
Say		Rs.	4503000



Sub Divisional Officer  
Buildings Sub Division  
Lodhran



Executive Engineer  
Buildings Division



Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
LODHAN

Agency: M/S Amjad Construction Co.  
(Govt. Contractor)

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Reference Executive Engineer, Buildings Division, Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used Material		% age of Excess	
								Base Rates	Increase/ Decrease	Diff.	Qty per Unit Cft/SURft	Cement Bags		Recovered/ Paid
	Rate at the time of Tender													
1	Pacca brick work in Cement sand mortar	1:4	1350/165	72	14.06.22		1951 Cft	800	860	60	4.8	93.65	5619	7.50%
2	Pacca brick work in Cement sand mortar	1:4	1350/165	129	15.07.22		185 Cft	800	1020	220	4.8	8.88	1954	27.50%
3	Pacca brick work in Cement sand mortar	1:4	1351/166	163	15.07.22		3114 Cft	800	1020	220	4.8	149.47	32884	27.50%
	Total:-					Total:-	5250							
1	Pacca brick work in Cement sand mortar	1:6	1350/165	42	12.05.22		245 Cft	800	850	50	3.4	8.33	417	6.25%
2	Pacca brick work in Cement sand mortar	1:6	1350/165	44	12.05.22		55 Cft	800	850	50	3.4	1.87	94	6.25%
3	Pacca brick work in Cement sand mortar	1:6	1350/165	44	12.05.22		382 Cft	800	850	50	3.4	12.99	649	6.25%
4	Pacca brick work in Cement sand mortar	1:6	1350/165	47	14.05.22		183 Cft	800	850	50	3.4	6.22	311	6.25%
5	Pacca brick work in Cement sand mortar	1:6	1350/165	61	07.06.22		146 Cft	800	860	60	3.4	4.96	298	7.50%
	Total:-					Total:-	1011							
1	Cement concrete brick or stone ballast 1½" to 2"	1:6:12	1350/165	41	12.05.22		72 Cft	800	850	50	6.5	4.68	234	6.25%
2	Cement concrete brick or stone ballast 1½" to 2"	1:6:12	1350/165	71	14.06.22		338 Cft	800	860	60	6.5	21.97	1318	7.50%
3	Cement concrete brick or stone ballast 1½" to 2"	1:6:12	1351/166	152	15.07.22		499 Cft	800	1020	220	6.5	32.44	7136	27.50%
	Total:-					Total:-	909							
1	Reinforced cement concrete	1:2:4	1350/165	46	14.05.22		10 Cft	800	850	50	17.6	1.76	88	6.25%
2	Reinforced cement concrete	1:2:4	1350/165	56	02.06.22		72 Cft	800	860	60	17.6	12.67	760	7.50%
3	Reinforced cement concrete	1:2:4	1350/165	134	15.07.22		30 Cft	800	1020	220	17.6	5.28	1162	27.50%
4	Reinforced cement concrete	1:2:4	1350/165	178	15.07.22		24 Cft	800	1020	220	17.6	4.22	929	27.50%



5	Reinforced cement concrete	1:2:4	1351/166	174	15.07.22		151 Cft	800	1020	220	17.6	26.58	5847	27.50%
		Total:-					287							
1	Plain cement concrete	1:2:4	1350/165	73	14.06.22		181 Cft	800	860	60	17.6	31.86	1911	7.50%
2	Plain cement concrete	1:2:4	1350/165	98	17.06.22		88 Cft	800	860	60	17.6	15.49	929	7.50%
3	Plain cement concrete	1:2:4	1350/165	126	15.07.22		76 Cft	800	1020	220	17.6	13.38		27.50%
4	Plain cement concrete	1:2:4	1351/166	159	15.07.22		222 Cft	800	1020	220	17.6	39.07		27.50%
		Total:-					567							
1	1/2" thick cement plaster with 14-lbs bitumen	1:3	1350/165	51	27.05.22		55 Sft	800	850	50	0.88	0.48	24	6.25%
		Total:-					55							
1	1/2" thick cement plaster	1:4	1350/165	58	03.06.22		139 Sft	800	860	60	0.73	1.01	61	7.50%
2	1/2" thick cement plaster	1:4	1350/165	103	17.06.22		1000 Sft	800	860	60	0.73	7.30	438	7.50%
3	1/2" thick cement plaster	1:4	1351/166	28	15.07.22		1885 Sft	800	1020	220	0.73	13.76	3027	27.50%
4	1/2" thick cement plaster	1:4	1351/166	166	15.07.22		5340 Sft	800	1020	220	0.73	38.98	8576	27.50%
		Total:-					8364							
1	1/2" thick cement plaster	1:5	1350/165	57	03.06.22		398 Sft	800	860	60	0.6	2.39	143	7.50%
		Total:-					398							
1	Cement pointing	1:2	1350/165	66	13.06.22		635 Sft	800	860	60	0.72	4.57	274	7.50%
		Total:-					635							
1	3/8" thick cement plaster under sofit	1:3	1350/165	57	03.06.22		120 Sft	800	860	60	1.16	1.39	84	7.50%
2	3/8" thick cement plaster under sofit	1:3	1350/165	102	17.06.22		280 Sft	800	860	60	1.16	3.25	195	7.50%
		Total:-					400							
1	Pl laying DPC 1-1/2" thick 1-coat bitumen	1:2:4	1350/165	43	12.05.22		104 Sft	800	850	50	2.25	2.34	117	6.25%
		Total:-					104							

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**ABSTRACT OF STEEL**

Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER LODHRAN

Agency: M/S Amjad Construction Co,

Amount of work: Rs. 84.463 (M)

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Reference Executive Engineer, Buildings Division, Lodhran

letter No. 3886/CB, Dated: 14.04.2022

Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Quantity	Rates			Qty of Used Material		% age of Excess
							Base Rates	Increased/Decreased	Diff.	Qty per Unit KG	Amount to be Paid	
1	Deformed bar	G-40	1350/165	45	12.05.22	32 Kg	192368	202368	10000	32	320	5.20%
2	Deformed bar	G-40	1350/165	54	02.06.22	168 Kg	192368	202368	11000	168	1848	5.72%
3	Deformed bar	G-40	1350/165	131	15.07.22	144 Kg	192368	230368	38000	144	5472	19.75%
4	Deformed bar	G-40	1350/165	177	15.07.22	40 Kg	192368	230368	38000	40	1520	19.75%
5	Deformed bar	G-40	1351/166	172	15.07.22	475 Kg	192368	230368	38000	475	18050	19.75%
	Item at Sr.					859				859	27210	

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Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN  
PUNJAB ONE AT DISTRICT HEAD QUARTER LODHRAN  
Agency: M/S Amjad Construction Co.,  
(Govt. Contractor)  
Amount of work: Rs. 84.463 (M)  
Tender date: 15.03.2022  
Date of commencement: 14.04.2022  
Reference Executive Engineer, Buildings Division, Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

# BRICKS

Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used Material		Amount to be		% age of Excess
								Base Rates	Increased/Decreased	Diff:	Qty per 100 Cft/Sft	Bricks/Tiles Nos.	Recover-able	Paid	
1	Pacca brick work in Cement sand mortar	1:4	1350/165	72	14.06.22		1951 Cft	8000	9000	1000	1350	1951		1951	12.50
2	Pacca brick work in Cement sand mortar	1:4	1350/165	129	15.07.22		185 Cft	8000	10000	2000	1350	2498		4995	25.00
3	Pacca brick work in Cement sand mortar	1:4	1351/166	163	15.07.22		3114 Cft	8000	10000	2000	1350	42039		84078	25.00
	Item at Sr.					Total:-	5250								
1	Pacca brick work in Cement sand mortar	1:6	1350/165	42	12.05.22		245 Cft	8000	8000		1350	3308			
2	Pacca brick work in Cement sand mortar	1:6	1350/165	44	12.05.22		55 Cft	8000	8000		1350	743			
3	Pacca brick work in Cement sand mortar	1:6	1350/165	44	12.05.22		382 Cft	8000	8000		1350	5157			
4	Pacca brick work in Cement sand mortar	1:6	1350/165	47	14.05.22		183 Cft	8000	8000		1350	2471			
5	Pacca brick work in Cement sand mortar	1:6	1350/165	61	07.06.22		146 Cft	8000	9000	1000	1350	1971		1971	12.50
	Item at Sr.					Total:-	1011								
	Sum of Amounts:-													92995	

Ch.

Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ  
HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
LODHHRAN

Agency: M/S Amjad Construction Co,  
(Govt. Contractor)

Amount of work: Rs. 84.463 (M)

Time limit: 18- Months

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Reference Executive Engineer, Buildings Division, Lodhrran  
letter No. 3886/CB, Dated: 14.04.2022

BRICKS TILES/GUTKA

Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used	Amount to be		% age of Excess
								Base Rates	Increased/ Decreased	Diff:		Recover- ed	Paid	
1	Single layer of tile	1:3	1350/16	58	03.06.22		137 Sft	8000	8500	500	493		247	6.25
	Item at Sr.					Total:-	137							
	Sum of Amounts:-												247	

Ch.

**ABSTRACT OF M.S. SECTION**

Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ  
HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD QUARTER  
LODHAN

Agency: M/S Amjad Construction Co.,  
(Govt. Contractor)

Amount of work: Rs. 84,463 (M)

Time limit: 18- Months

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Reference Executive Engineer, Buildings Division, Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

Sr No	Description	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used Material		% age of Excess
							Base Rates	Increase/ Decrease	Diff:	Qty per Unit Sft/Rft	M. S Sec KG	
	Rate at the time of Tender											
1	MS angle iron chowkat (Hollow)	1350/165	36	10.05.22		2150 Sft	194368	197387	3019	1.56	2786	1.55
2	MS angle iron chowkat	1350/165	67	13.06.22		28 Sft	194368	198368	4000	1.296	36	2.06
3	MS angle iron chowkat (Hollow)	1350/165	189	15.07.22		584 Sft	194368	223368	29000	1.56	757	14.92
	Total:-			2762		2762 Sft					21949	
1	M.S flat grill	1350/165	37	10.05.22		5500 Sft	194368	197387	3019	1	6435	1.55
2	M.S flat grill	1350/165	199	15.07.22		1289 Sft	194368	223368	29000	1	1508	14.92
	Total:-			6789		6789 Sft					43736	
1	Box Sec Window i/c flat grill	1350/165	67	13.06.22		36 Sft	194368	198368	4000	4.12	148	2.06
	Total:-			36		36 Sft					8091	
1	Fabrication of heavy steel	1351/166	122	15.07.22		67 Kg	194368	223368	29000	1	67	14.92
	Total:-					67 Kg					1943	
	Sum of Amounts:-										67628	

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### Price Variation Statement

Balance work of revamping of all DHQ/15-THQ hospitals in Punjab one at District Head Quarter Lodhran

**M/S Amjad Construction Co,**

Rs. 84.463 (M)

15.03.2022

14.04.2022

Executive Engineer, Buildings Division, Lodhran  
Letter No. 3886/CB, Dated: 14.04.2022

Total:- 2544286 /-

Chris L.    



ABSTRACT OF LABOUR

Name of work:

Price Variation Statement  
BALANCE WORK OF REVAMPING OF ALL DHQ/15-THQ HOSPITALS IN PUNJAB ONE AT  
DISTRICT HEAD QUARTER LODHRAN

Agency:

M/S Amjad Construction Co,  
(Govt. Contractor)

Amount of work:

Rs. 84.463 (M)

Time limit:

18- Months

Tender date:

15.03.2022

Date of commencement:

14.04.2022

Reference

Executive Engineer, Buildings Division, Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

Date	Page No.	M.B. No.	Bill No.	Items	Labour	=	x	Difference of Rate Base Rate	x	0.15	=	Net Amount	%age		
23.04.22	15	1349/164	1st Current Rate	Labour	780.00	=	8161832	x	0.000	x	0.15	=	0/-	0.00%	
17.05.22	38	1349/164	2nd Current Rate	Labour	780.00	=	18996282	x	0.000	x	0.15	=	0/-	0.00%	
17.06.22	89	1349/164	3rd Current Rate	Labour	780.00	=	11080120	x	0.000	x	0.15	=	0/-	0.00%	
28.07.22	161	1349/164	4th Current Rate	Labour	962.00	=	8758925	x	182.000	x	0.15	=	306562/-	23.33%	
Work to be done				5th Current Rate	Labour	962.00	=	37465841	x	182.000	x	0.15	=	1311304/-	23.33%

  
Sub Divisional Officer  
Buildings Sub Division  
Lodhran

# Price Variation Statement Pipes

Name of Work:

BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN  
PUNJAB ONE AT DISTRICT HEAD QUARTER LODHRAN

Agency:

M/S Amjad Construction Co.(Govt. Contractor)

Tender date:

15.03.2022

Reference:

Executive Engineer, Buildings Division, Lodhran letter No. 3886/CB, Dated: 14.04.2022

Sr. #	Description	Quantity in M.B	M. B No.	Page No.	Date of Record Entry	Unit	Rate as Per Tender date	Rate of casting Time	Difference	Amount	%age
1	PVC Pipe 3/4" idia for wiring	12 Mtr	1350/165	55	02.06.22	P.Mtr	62	62	0	0	0.00%
2	PVC Pipe 3/4" idia for wiring	8 Mtr	1350/165	59	07.06.22	P.Mtr	62	62	0	0	0.00%
3	PVC Pipe 3/4" idia for wiring	76 Mtr	1350/165	88	16.06.22	P.Mtr	62	62	0	0	0.00%
4	PVC Pipe 3/4" idia for wiring	608 Mtr	1351/166	48	15.07.22	P.Mtr	62	68	6	3,650	9.68%
	Total	704	704								
1	PVC Pipe 1" idia for wiring	91 Mtr	1350/165	88	16.06.22	P.Mtr	78	78	0	0	0.00%
2	PVC Pipe 1" idia for wiring	51 Mtr	1351/166	50	15.07.22	P.Mtr	78	85	7	358	8.97%
	Total	143	143								
1	PVC Pipe 2" idia for wiring	20 Mtr	1350/165	89	16.06.22	P.Mtr	270	270	0	0	0.00%
2	PVC Pipe 2" idia for wiring	9 Mtr	1351/166	50	15.07.22	P.Mtr	270	296	26	246	9.63%
	Total	29	29								

1	G.I Pipe 4" i/dia	250 Rft	1350/165	85	16.06.22	P. Rft	984	1032	48	12,000	4.88%
	Total	250									
1	PVC/UPVC pipe 4"	1000 Rft	1350/165	38	10.05.22	P. Rft	321	321	0	0	0.00%
2	PVC/UPVC pipe 4"	455 Rft	1350/165	139	15.07.22	P. Rft	321	352	31	14,105	9.66%
	Total	1455									
											30,359

Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN  
PUNJAB ONE AT DISTRICT HEAD QUARTER LODHRAN

Agency: M/S Amjad Construction Co,  
(Govt. Contractor)

Amount of work: Rs. 84.463 (M)

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Reference Executive Engineer, Buildings Division, Lodhran  
letter No. 3886/CB, Dated: 14.04.2022

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Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used Material		% age of Excess
								Base Rates	Increase/ Decrease	Diff:	Qty per Unit Sft	Bitumen Kg	Recovered/ Paid
1	1 1/2" thick cement plaster with 14-lbs bitumen	1:3	1350/165	51	27.05.22		55 Sft	135.690	154.290	18.60	4.53	2.49	46
	Total:-						55						13.71
1	Single layer of tile	1:3	1350/165	58	03.06.22		137 Sft	135.690	166.290	30.60	15.42	21.13	646
	Total:-						137						22.55
	Sum of Amounts:-											23.62	693

Chuan L

Sub Divisional Officer  
Buildings Sub Division  
Lodhran



Name of work: BALANCE WORK OF REVAMPING OF ALL DHQ / 15-THQ HOSPITALS IN PUNJAB ONE AT DISTRICT HEAD  
QUARTER LODHRAN

Agency: M/S Anjad Construction Co,  
(Govt. Contractor)

Time limit: 18- Months

Tender date: 15.03.2022

Date of commencement: 14.04.2022

Sr No	Description	Ratio	M.B No	Page No	Date of Record Entry	Total	Quantity	Rates			Qty of Used Material		Amount to be		% age of Excess
								Base Rates	Increased/ Decreased	Diff:	Qty per 100 Cft/Sft	Bajri Cft	Recover- red	Paid	
	Rate at the time of Tender														
1	Reinforced cement concrete	1:2:4	1350/16	46	14.05.22		10 Cft	4200	4200		88	1250			
2	Reinforced cement concrete	1:2:4	1350/16	56	02.06.22		72 Cft	4200	4800	600	88	63			
3	Reinforced cement concrete	1:2:4	1350/16	134	15.07.22		30 Cft	4200	5200	1000	88	26			380
4	Reinforced cement concrete	1:2:4	1350/16	178	15.07.22		24 Cft	4200	5200	1000	88	21			264
5	Reinforced cement concrete	1:2:4	1351/16	174	15.07.22		151 Cft	4200	5200	1000	88	133			211
	Item at Sr.					Total:-	287								1329
1	Plain cement concrete	1:2:4	1350/16	73	14.06.22		181 Cft	4200	4800	600	88	159			
2	Plain cement concrete	1:2:4	1350/16	98	17.06.22		88 Cft	4200	4800	600	88	77			956
3	Plain cement concrete	1:2:4	1350/16	126	15.07.22		76 Cft	4200	5200	1000	88	67			465
4	Plain cement concrete	1:2:4	1351/16	159	15.07.22		222 Cft	4200	5200	1000	88	195			669
	Item at Sr.					Total:-	567								1954
	Sum of Amounts:-											752			6227

  
Sub Divisional Officer  
Buildings Sub Division  
Lodhran

## ANALYSIS OF RATE

Providing and fixing stainless steel edge protection 2-1/2"x2-1/2", 20-SWG i/c fixing with silicone / Jelly on porcelain tile dado corners complete in all respects as approved by the Engineer-in-charge.

Detail of Cost 04-Rft

Unit of Rate P-Rft

S. No	Detailed	UNIT RATE PER SFT			
		Qty		Rate	Unit
A	<u>Material</u>				
1	P/O Stainless Steel Sheet 20-SWG (4x5/12)	1.67	Sft		
	Add 5% Wastage	0.08	Sft		
	<b>Total</b>	1.75	Sft	820	P Sft
2	Silicone / Jelly used for fixing	1	Job	800	P Job
3	Carriage from Lahore to Site	1	Job	72	P Job
					<b>Total (A)</b>
					<b>Rs.2310/-</b>
B	<u>Labour</u>				
i	Labour for Cutting Strips	2	Nos	40	Each
ii	Labour for Bending Strips	1	Nos	50	L.S
iii	Labour for fixing each angle	1	Nos	100	L.S
					<b>Total</b>
					<b>Rs.230/-</b>
	Add 10% Sundried Charges			Rs.230/-	10%
					<b>Total (B)</b>
					<b>Rs.253/-</b>
					<b>Total (A+B)</b>
					<b>Rs.2563/-</b>
	Add 20% Contractor Profit & Over Head Charges on			Rs.2310/-	20%
					<b>G. Total</b>
					<b>Rs.3025/-</b>
	<b>Rate P-Rft</b>			3025 / 4	
					<b>Rs.755/-</b>
	<b>Say P-Rft</b>				<b>Rs.755/-</b>

Sub Divisional Officer,  
Buildings Sub Division,  
Lodhran

Executive Engineer,  
Buildings Division,  
Lodhran

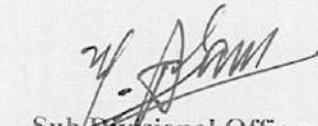
Superintending Engineer  
Building Circle Multan

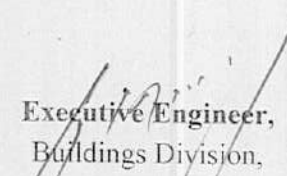
## ANALYSIS OF RATE

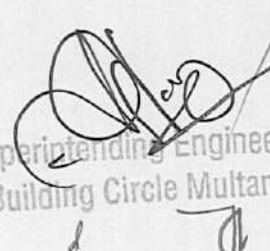
Providing and fixing UPVC single leaf panel with glass / without glass multi-chambered doors with welding joint of 60-mm frame and 2-1/2 mm thickness, 20 mm sandwich of grove panels each height 106 mm with matching door frame having extrude (in-builts) bedding heavy duty and all accessories i/c chowkat as per specification complete in all respects as approved by the Engineer Incharge.

Rate Analysis for upto 17.5-Sft = 2-1/2x7 = 17.50-Sft

S. No	Detailed	UNIT RATE PER SFT			
		Qty		Rate	Amount
A	<u>Material</u>				
1	UPVC single leaf panel with glass / without glass multi-chambered doors with welding joint of 60-mm frame and 2-1/2 mm thickness, 20 mm sandwich of grove panels each height 106 mm with matching door frame having extrude (in-builts) bedding heavy duty and all accessories i/c chowkat as per specification complete in all respects as approved by the Engineer Incharge	17.50	Sft	1460	P-Sft
	<b>Total (A)</b>				<b>Rs.25550/-</b>
B	<u>Labour</u>				
i	Installation & Transportation Charges	1	Job	2000	P Job
	<b>Total</b>				<b>Rs.2000/-</b>
	<b>Total (A+B)</b>				<b>Rs.27550/-</b>
	Add 20% Contractor Profit & Over Head Charges on			Rs.25550/-	20%
	<b>Total (B)</b>				<b>Rs.5110/-</b>
	<b>Rate P-Sft</b>			<b>32660 / 17.50</b>	<b>Rs.1866/-</b>
	<b>Say P-Sft</b>				<b>Rs.1866/-</b>

  
Sub-Divisional Officer,  
Buildings Sub Division,  
Lodhran

  
Executive Engineer,  
Buildings Division,  
Lodhran

  
Superintending Engineer  
Building Circle Multan



## Analysis of Rate:-

Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static, Homogeneous, with best abrasion resistance, best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose----- 10x10 = 100 Sft  
Unit -----P.Sft  
1st Bi-Annual 2022

- a Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static, Homogeneous, with best abrasion resistance, best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Thickness = 2mm

1x10x10	=	100 Sft	
5% wastages	=	5 "	
<b>Total</b>		<b>105 Sft</b>	
		@	900 P.Sft
			94500

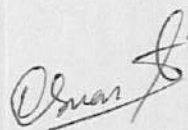
**Total Rs: 94500**

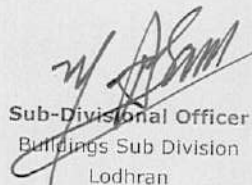
Add 20% contractor's profit and OHC Rs: 18900


**G.Total Rs: 113400**

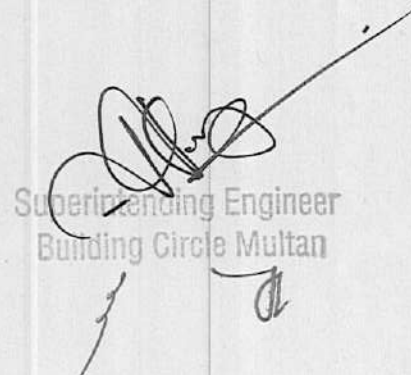
Rate P.Sft 113400 / 100 = 1134 P.Sft

**Say Rs: = 1134 P.Sft**

  
Sub Engineer

  
Sub-Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

  
Superintending Engineer  
Building Circle Multan



## Analysis of Rate

Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose----- 10x10 = 100 Sft  
Unit -----P.Sft  
1st Bi-Annual 2022

- a Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation

1x10x10	=	100 Sft	
5% wastages	=	5 "	
<b>Total</b>		<b>105 Sft</b>	
	@	1500 P.Sft	157500

**Total Rs: 157500**

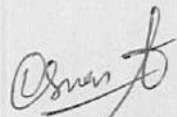
Add 20% contractor's profit and OHC

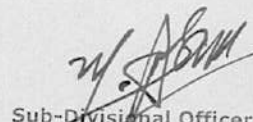
Rs: 31500

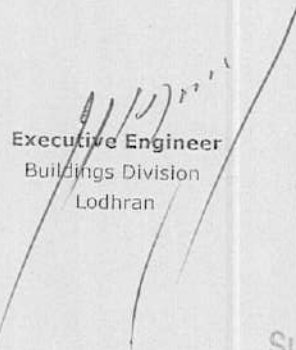
**G.Total Rs: 189000**

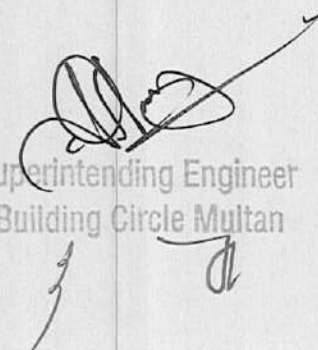
Rate P.Sft 189000 / 100 = 1890 P.Sft

**Say Rs: = 1890 P.Sft**

  
Sub Engineer

  
Sub-Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

  
Superintending Engineer  
Building Circle Multan

## Analysis of Rate:-

Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm in OTs complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose----- 10x10 = 100 Sft  
Unit -----P.Sft  
1st Bi-Annual 2022

- a Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm.

1x10x10	=	100 Sft	
5% wastages	=	5 "	
<b>Total</b>		<b>105 Sft</b>	
	@	750 P.Sft	78750

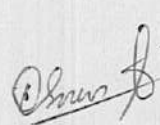
<b>Total</b>	<b>Rs:</b>	<b>78750</b>
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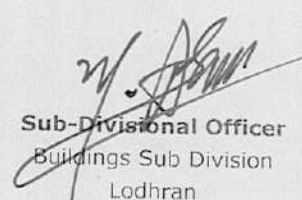
Add 20% contractor's profit and OHC	Rs:	15750
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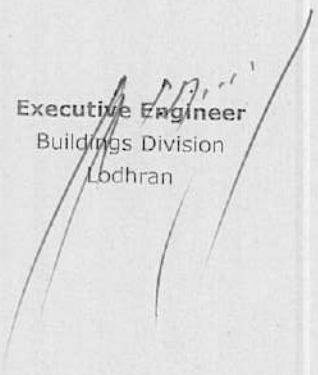
<b>G.Total</b>	<b>Rs:</b>	<b>94500</b>
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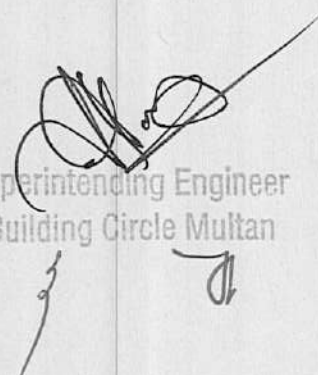
Rate P.Sft      94500      /      100      = 945 P.Sft

**Say Rs: = 945 P.Sft**

  
Sub Engineer

  
Sub-Divisional Officer  
Buildings Sub Division  
Lodhran

  
Executive Engineer  
Buildings Division  
Lodhran

  
Superintending Engineer  
Building Circle Multan



## Quotation

To,  
Executive Engineer Buildings,  
Lodhran.

Date: 15-02-2022  
Due Date: 02-03-2022  
Ref No: UNI-110785

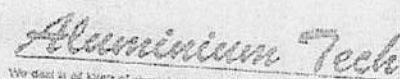
Sr. No.	Description	Uom	Qty.	Rate	Amount (Rs)
1	<b>Anti-microbial Floor</b> <b>Gerflor Flooring</b> Ambiance Ultra Anti-Bacterial Anti-Static Homogeneous T Group => best abrasion resistance TVOC after 28 days < 10Åµg/m3 => indoor air quality Exclusive and patented Evercare™ surface treatment => easy maintenance No wax for life and high stain resistance High performance homogeneous flooring Resistant to main chemical products used in healthcare.  Total Thickness: 2mm Roll Size: 66 x 6.6 = 430sqft	Sqft	670	900	603,000
2	<b>Anti-microbial wall panelling</b> <b>SPM</b> SPM Walls Panels Resists to 320 kg at 3 km/h impacts Size: 9.8 feet height x 4.3 feet width Non-porous 100% antibacterial material suitable for high infection risk areas Welded joints possible for perfect water tightness between panels or with vinyl flooring Resists to standard cleaning, disinfection and antiseptic products (Anios and Bioquell test reports) Bs2d0 - Heavy traffic 100% antibacterial Sustainable formulation (Without Frame)	Sqft	1,260	1,500	1,890,000
3	<b>Non-porous Ceiling System</b> Aluminum Dampa Ceiling Non porous Size: 600mm x 600mm Thickness: 0.7mm	Sqft	670	750	502,500
				<b>Total Amount</b>	<b>2,995,500.00</b>
				<b>G.S.T 17%</b>	<b>509,235.00</b>
				<b>Total Amount</b>	<b>3,504,735.00</b>

### Terms & Conditions

- 1- 70% advance payment 20% on delivery and balance upon completion of work.
- 2- Above prices are inclusive of G.S.T.
- 3- All civil work required will be under client's responsibility.
- 4- Prices valid for 15-Days.

Name: Affan Kaleem  
Phone No: 0321-7177794  
Email: [affan@unimix.com.pk](mailto:affan@unimix.com.pk)






Aluminum Sights  
Double Diamond  
Engrave Caliber  
Cladding Strips  
Custom wall  
UPVC windows  
Doors etc

b : Price quotation of TurkProfil/Skyper uPVC Window & Door Systems

Revised III

UPVC Window & Door Systems.									
No	Discription	Qty	Size			Price			Drawing
		Pcs	Width	Height	Sq.ft	Per.Sq.ft	Unit	Amount	
	Upvc Single Leaf Panel Multi-Chambered door With Welding Corner Joint of 60mm Frame & 2.5mm Thickness with Matching Door Normal Butt Hinges & Towel Bolt	1	2.5	7	17.5		-	25,550.00	
					Total Amount		25,550	Total Sq.ft Area: 17.6	
							Average Rate/Sq.ft (Upvc & Glass)		1,460

- 1 Above prices is exclusive of border profile prices.
- 2 Above prices is exclusive of installation & transportation charges
- 3 Above prices is exclusive of glass prices.
- 4 Above prices is exclusive of Packing.
- 5 Prices/Quotation may be revised if any changes made in design type of window & door.
- 6 Our offer is based on the dimension and quantities are as per initial discussion.
- 7 Any variation in sizes, design, color or quantity will be subjected to pro-rate extra charges/deductions accordingly.
- 8 The sizes of the windows will be rounded upwards to next 3 inches, for pricing purpose.
- 9 Its customer's responsibility to cross check the quantity, design & color above all mentioned items.
- 10 Food & accomdation of our installation team to be arrange by customer
- 11 Above price are Without Any Tax
- 12 Delivery time will be discussed at the time of order finalize.

**Payment Terms:** 70% Advance on order confirmation. Balance 30% payment before delivery.

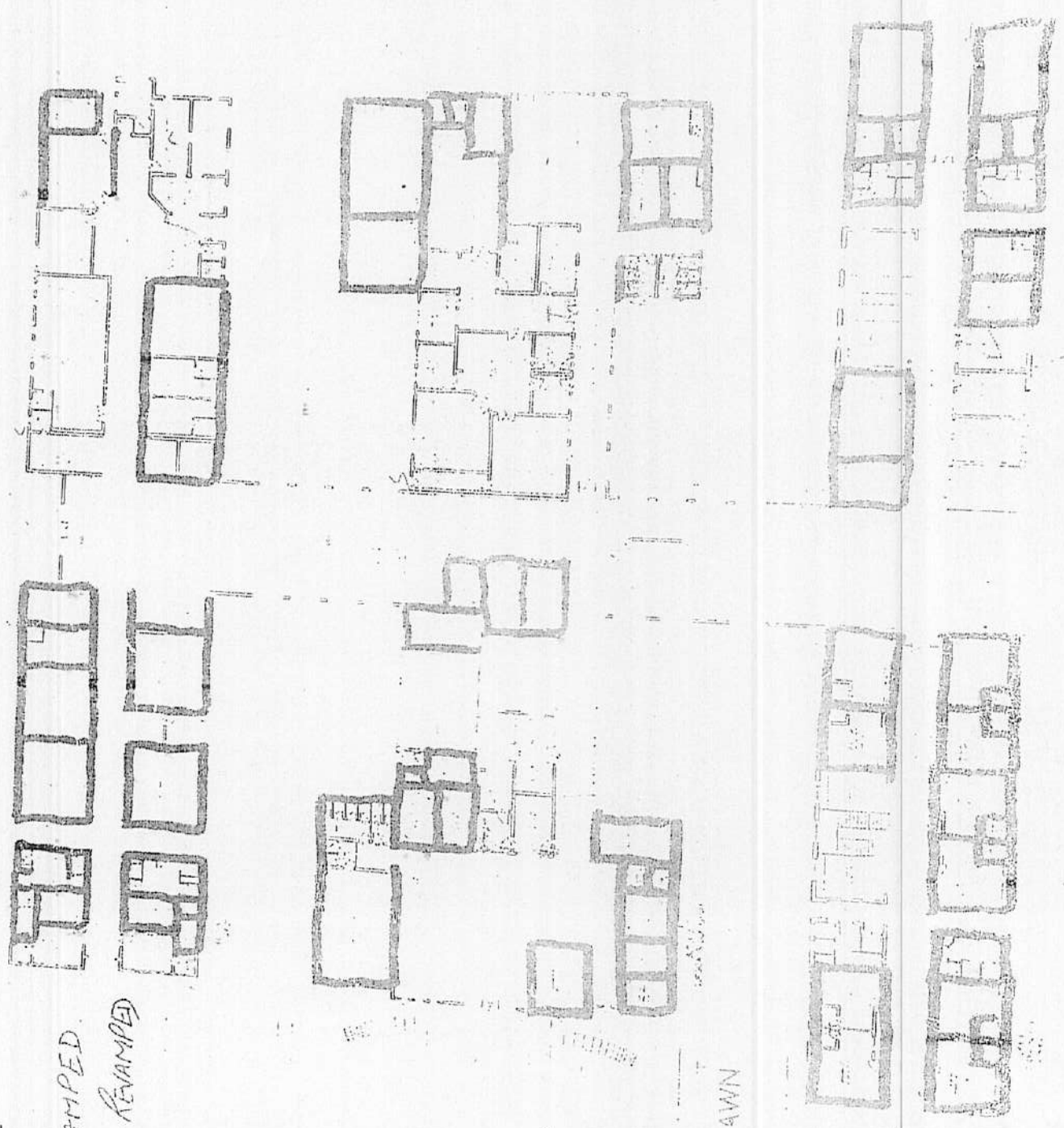
Checked by

Approved By Customer

Date:

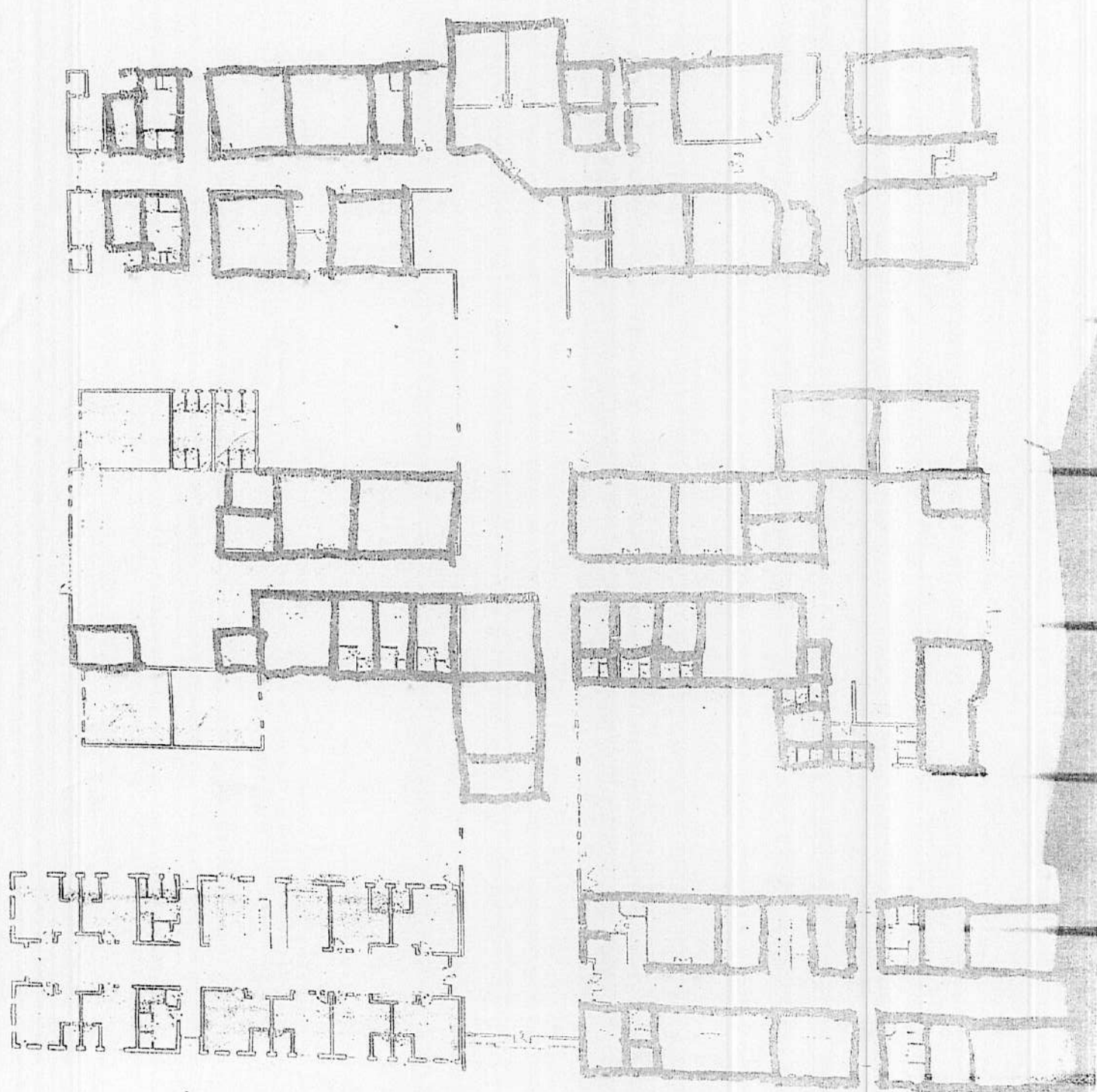
Pg. 1/1





REVAMPED  
NON-REVAMPED

6-16  
D<sub>1</sub> = 16  
D<sub>2</sub> = 4  
Chen  
2/1/80  
Sub Divisional Officer  
Engineering Sub Division



REVAMPED  
UNITS

FIRST FLOOR

NON REVAMPED

*Orn* *W. Ashm*

Sub Divisional Officer  
Buildings Sub Division  
Lodhran

## **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.

**8. ANNUAL OPERATING COST (POST COMPLETION)**

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010731  
**A/C To be Credited:**Assan Assignment

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010731  
**A/C To be Credited:**Assan Assignment

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



## **9. DEMAND AND SUPPLY ANALYSIS**

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

## **10. FINANCIAL PLAN AND MODE OF FINANCING**

### **10.1 FINANCIAL PLAN EQUITY INFORMATION**

## 10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

## 10.3 FINANCIAL PLAN GRANT INFORMATION

attached

## **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)

	<b>FY 2021-22</b>	<b>FY 2022-23</b>
<b>Funds Released</b>	<b>5.820</b>	<b>12.105</b>
<b>Utilization</b>	<b>5.246</b>	<b>2.227</b>

### **Capital Side:**

	<b>FY 2021-22</b>	<b>FY 2022-23</b>
<b>Funds Released</b>	<b>40.000</b>	<b>39.096</b>
<b>Utilization</b>	<b>40.000</b>	<b>0.000</b>

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



## 10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

## **11. PROJECT BENEFITS AND ANALYSIS**

### **11.1 PROJECT BENEFIT ANALYSIS INFORMATION**

#### **SOCIAL BENEFITS WITH INDICATORS**

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

#### **SOCIAL IMPACT:**

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

#### **EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)**

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

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

#### **ENVIRONMENTAL IMPACT**

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

### **11.3 PACT ANALYSIS**

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### **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**

#### **IMPLEMENTATION SCHEDULE**

Starting date: 01-07-2021

Expected Completion date: 30-06-2025



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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

.

### 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:**

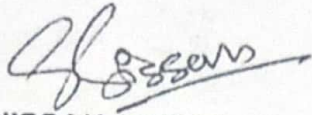
**Tel. No.:**

**Fax No:**

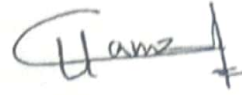
**Address:**31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

15. It is certified that the project titled "Balance work of Revamping of DHO, Lathian (1<sup>st</sup> 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:

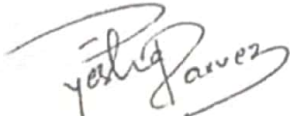


(HISSAN ANEES)  
DIRECTOR PLANNING & HR, PMU,  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)




(HAMZA NASEEM)  
PROJECT MANAGER CIVIL, PMU,  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)

Checked By:



(Dr. AYESHA PARVEZ)  
DEPUTY PROJECT DIRECTOR (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)



(KHIZAR HAYAT)  
PROJECT DIRECTOR (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(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

Scheme ID	Scheme Name
	Balance Work of Revamping of DHQ Hospital Lodhran

## 20. MARGINALISATION OF PC-1

SR.NO.	CRITERIA	YES/NO	COMMENTS
<b>Description &amp; Objectives</b>			
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	
<b>Use of Gender Disaggregated Data</b>			
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	
<b>Social Impact</b>			
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	
<b>Results Based Monitoring</b>			
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	
<b>Incursion/Participation</b>			
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 risk assessment planning?	NO	
<b>Monitoring &amp; Evaluation</b>			
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 committees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	