



PC-1

Balance Work of Revamping of THQ Hospital Kamoki

ORIGINAL APPROVED COST	PKR Million. 81.186/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDWP (DDWP)

1. NAME OF THE PROJECT

Balance Work of Revamping of THQ Hospital Kamoki

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. GUJRANWALA

2.2. TEHSIL(S)

I. KAMOKE

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 5372
3	Total Allocation: 0.000
4	Comments: Provision of Rs.1300 M reflected at G.S. No.660 of ADP 2022-23 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

attached

5. Project objectives and its relationship with Sectorial Objectives and Components

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

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

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

Total area of the THQ Hospital Kamoki :	38,618 SFT
Area completed :	38,618 SFT
Remaining Area:	2,700 SFT

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

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

Now it has been decided to complete the balance civil work of revamping through C&W Department. Accordingly, the Rough Cost estimates of balance civil work

has been got prepared from the Punjab Buildings Department for preparation of instant PC-I.

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

To keep high risk areas like Operation theaters, I.C.U, C.C.U, Burn Unit and Gynecology Operation Theater bacteria free is one of the basic medical practices. In the revamping program of hospitals low epoxy paint is proposed in these areas to provide seamless flooring so that the bacterial growth within the 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 casualties, 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.

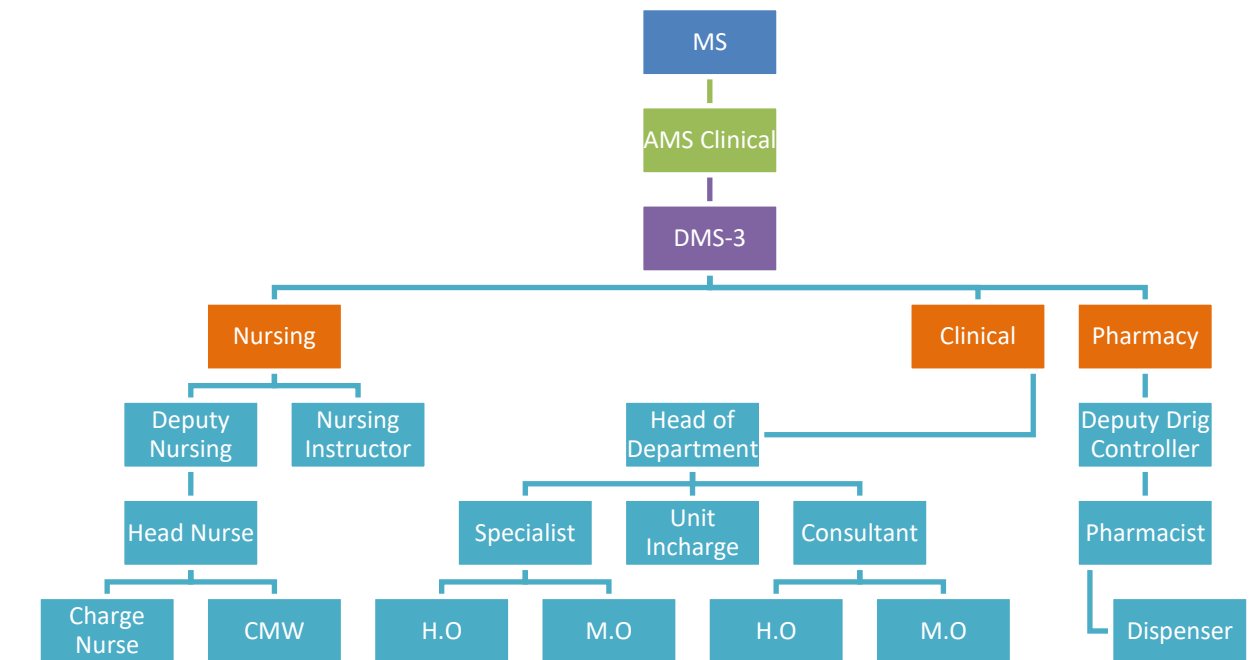
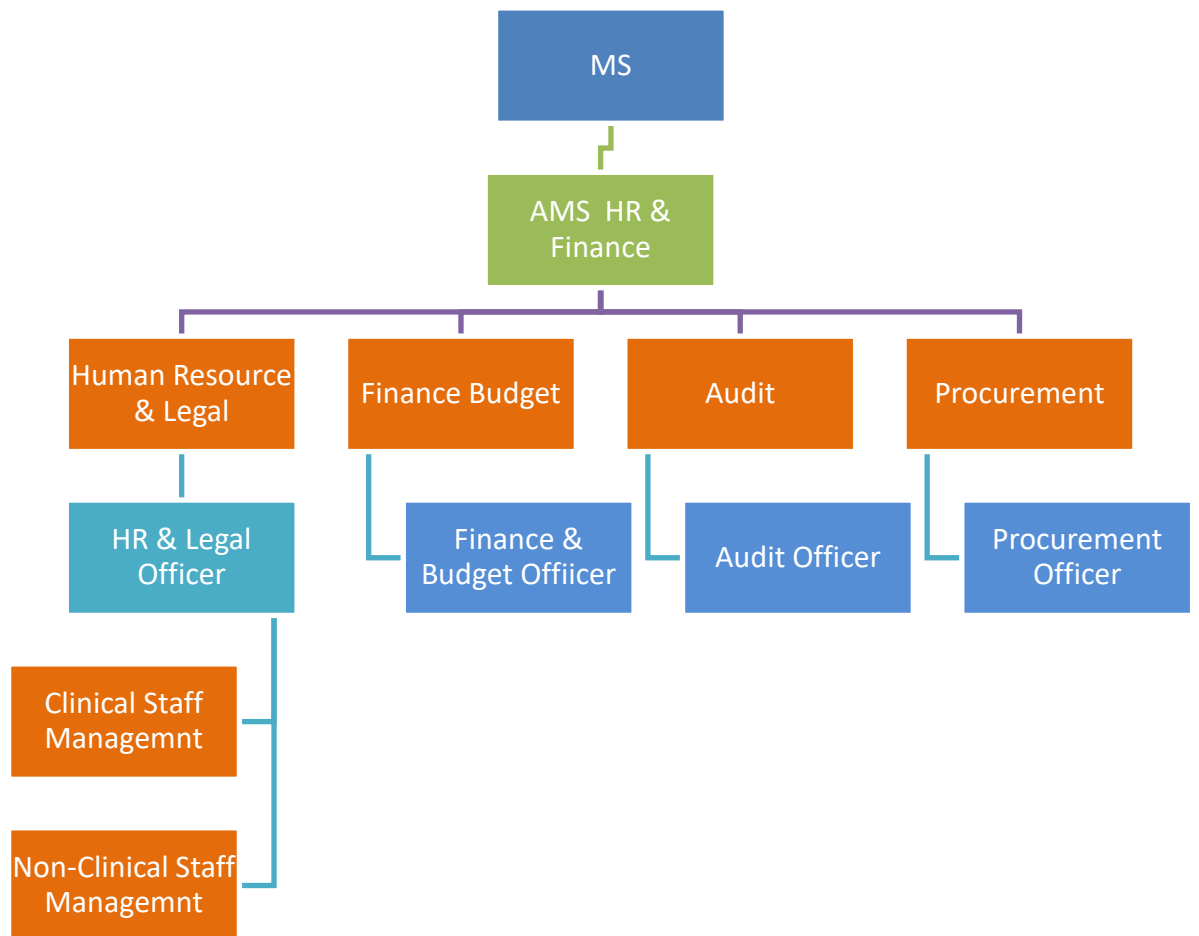
5.7.4 EMR and Networking

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 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab:

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

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
ADMIN OFFICER	1	80,000	960,000	138,000	1,656,000
HUMAN RESOURCE OFFICER	1	80,000	960,000	138,000	1,656,000
IT/STATISTICAL OFFICER	1	80,000	960,000	138,000	1,656,000
FINANCE & BUDGET OFFICER	1	80,000	960,000	138,000	1,656,000
AUDIT OFFICER	1	80,000	960,000	138,000	1,656,000
PROCUREMENT OFFICER	1	80,000	960,000	138,000	1,656,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	840,000	228,000	2,736,000
BIOMEDICAL ENGINEER	1	80,000	960,000	138,000	1,656,000

QUALITY ASSURANCE OFFICER	1	80,000	960,000	138,000	1,656,000
LOGISTICS OFFICER	1	80,000	960,000	138,000	1,656,000
ASSISTANT ADMIN OFFICER	4	50,000	1,200,000	364,000	4,368,000
	17	805,000	10,680,000	1,834,000	22,008,000

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eligibility Criteria

1. Minimum qualification Masters' degree in 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

PROCUREMENT OFFICER	1	138,000	1,656,000
DATA ENTRY OPERAOTOR (DEO)	4	228,000	2,736,000
BIOMEDICAL ENGINEER	1	138,000	1,656,000
QUALITY ASSURANCE OFFICER	1	138,000	1,656,000
LOGISTICS OFFICER	1	138,000	1,656,000
ASSISTANT ADMIN OFFICER	4	364,000	4,368,000
GRAND TOTAL	17	1,834,000	22,008,000

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

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

Mainly the linkage with social welfare and human empowerment, labour and manpower, Education Department, Special Education, Home of the project

will be in a vibrant environment in the holistic manner. The scope of the project itself aims to establish horizontal linkage with all the stakeholders through multi-sectorial approach. The health care facilities and ongoing services provided in the hospital will seek strength and viability from its linkage and public ownership.

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
2. Patients seen by C.M.O. initial assessment (brief history and physical examination) is entered on the emergency slip/file initial treatment is started.
3. C.M.O calls the medical officer / house officer of the relevant department who takes on of the following action:-
 - i. Discharges the patient from emergency department after the patient is stabilized (himself or after consultation).
 - ii. Returns the patient in emergency department and inform the consultant or call such patient is either discharged after some time i.e. 2 hours of admitted later on
 - iii. Patient is straight way admitted by the medical officer himself or in consultation with the consultant
4. A separate record is maintained by each department. Each patient discusses at the morning meeting and any pitfalls are any pitfalls are corrected.
5. The patient who is admitted is again entered into the computer in the ward, complete history and physical examination is carried out and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).
6. The definitive management is either started by the medical officer himself or in consultation with the consultant. (Telephone or physically). The patient is prepared for surgery if required.
7. At the evening round of the ward, the patients admitted throughout the day (Through OPD or emergency) are seen by the specialist. Appropriate changes in the management are carried out.
8. During the night, medical officer & house officer will be on duty and they will remain in contact with consultant.

9. In the morning round all the new admissions and old patients are thoroughly discussed management / treatment changed, surgery ordered or discharge ordered.
 10. The discharge certificate is either prepared by the house officer or medical officer. If prepared by the house officer, it is countersigned by the medical officer
- Appropriate changes are made in the computer record after discharge. The file is sent to the central record.

5.10.2 O.P.D:

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

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

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

5.10.4 INVENTORY CONTROL SYSTEM

The stock keeping and issuance of such items shall also be controlled and monitored through closer supervision and checks and balance system built in the software. The stock and expense of durable and consumable items will be kept in the system and also as hard copies. The main stores computers will

be linked with the sub stores computers through networking. The areas like emergency. Outpatient department, Indoor registration desks, Laboratory and Radiology Department, ICUs, etc., will have linkages with the main and sub stores to know about:-

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Kamoki is more than 0.400 million. The area of the THQ Hospital Kamoki is 357871 SFT.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

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

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

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. There is no change in cost of civil work component in the revised scheme of the PC-I.

JUSTIFICATION FOR REVISION OF PC-I

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

Name of Posts	60 th PDWP Meeting		
	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000
Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000
Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

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

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

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

given

below



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

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

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

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number:Development - (PC22036)
LO NO:LO21010556
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	16.744	0.000	15.000	0.000	15.000	0.000
Total		0.000	0.000	16.744	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:LO21010733
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	14.442	0.000	20.000	0.000	0.000	0.000
Total		0.000	0.000	14.442	0.000	20.000	0.000	0.000	0.000

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

Abstract of Cost

Balance work of Revamping of THQ Hospital Kamoki

Scope of work	Original Cost			Amended Cost			1st Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component									
Internal Development	18.249	0.000	18.249	15.542	0.000	15.542	15.542	0.000	15.542
External Development	8.750	0.000	8.750	14.817	0.000	14.817	14.817	0.000	14.817
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wapda Transformer	2.600	0.000	2.600	2.600	0.000	2.600	2.600	0.000	2.600
Total Capital Component	29.600	0.000	29.600	32.959	0.000	32.959	32.959	0.000	32.959
Revenue component									
Human resource (HR) plan	0.000	17.520	17.520	0.000	17.520	17.520	0.000	37.744	37.744
Electrical Component	0.000	0.000		0.000	0.000	0.000	0.000	9.000	9.000
Total Revenue component	0.000	17.520	17.520	0.000	17.520	17.520	0.000	46.744	46.744
Total	29.600	17.520	47.120	32.959	17.520	50.479	32.959	46.744	79.703
PST 5%	1.302	0.000	1.302	1.483	0.000	1.483	1.483	0.000	1.483
Grand Total	30.902	17.520	48.422	34.442	17.520	51.962	34.442	46.744	81.186

Human Resource Model of THQ 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
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
QUALITY ASSURANCE OFFICER	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	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
Sub Total of HR Model	11		730,000	17,520,000	11	50	849,000	963,000	29,853,000
				17.520					29.853
Utilization of HR Component				7.891					
									37.744

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

(2)

COMMUNICATION & WORKS DEPARTMENT

***EXECUTIVE ENGINEER
BUILDINGS DIVISION NO.2 GUJRANWALA***



**AMENDED ROUGH COST ESTIMATE FOR
"REVAMPING OF TEHSIL HEAD QURTERS
HOSPITALS" AT THQ KAMOKE DISTRICT
GUJRANWALA".**

34.442

ESTIMATED COST: 35.721 (M)

4

1

2



Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated 05-10-2021

3

ORDER

No.PO(D-II)Revamping/P-I/21: Consequent upon the decision of Departmental Development Sub Committee (DDSC), held on 30.07.2020, the Governor of the Punjab is pleased to accord Administrative Approval of 20 sub-schemes under scheme titled "**Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab**" at a cost mentioned against each scheme, with gestation period upto 30-06-2023.

Rs. in Million

Sr. No.	Sub Scheme	Capital Component	Revenue Component	Total
1	Balance work of Revamping of DHQ Hospital Sheikhpura	49.880	25.440	75.320
2	Balance work of Revamping of DHQ Hospital Kasur	44.058	25.440	69.498
3	Balance work of Revamping of DHQ Hospital Chinot	49.869	25.440	75.309
4	Balance work of Revamping of DHQ Hospital Chakwal	47.746	25.440	73.186
5	Balance work of Revamping of DHQ Hospital Attock	134.858	25.440	160.298
6	Balance work of Revamping of THQ Hospital Daska, Sialkot	148.816	17.520	166.336
7	Balance work of Revamping of THQ Hospital Hazro, Attock	110.201	17.520	127.721
8	Balance work of Revamping of THQ Hospital Esa-Khel, Mianwali	34.928	17.520	52.448
9	Balance work of Revamping of DHQ Hospital Okara	45.044	25.440	70.484
10	Balance work of Revamping of THQ Hospital Noor Pur Thal	14.249	17.520	31.769
11	Balance work of Revamping of DHQ Hospital Jhelum	64.345	25.440	89.785
12	Balance work of Revamping of DHQ Hospital Hafiz Abad	28.596	25.440	54.036
13	Balance work of Revamping of THQ Hospital Arif Wala	110.476	17.520	127.996
14	Balance work of Revamping of DHQ Hospital Bahawalnagar	77.597	25.440	103.037
15	Balance work of Revamping of THQ Hospital Kamoki	30.902	17.520	48.422
16	Balance work of Revamping of DHQ Hospital Toba Tek Singh	186.366	25.440	211.806
17	Balance work of Revamping of THQ Hospital Gojra	172.144	17.520	189.664

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18	Balance work of Revamping of DHQ Hospital Mandi Bahudin	94.938	25.440	120.378
19	Balance work of Revamping of DHQ Hospital Nankana Sahib	46.097	25.440	71.537
20	Balance work of Revamping of DHQ Hospital Pakpattan	125.887	25.440	151.327

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

Capital Component

Grant No.12042 (042) Government Building04-Economic Affairs-045 Construction and Transport -0457 Construction (Work)0457-02 Building and structure.

Revenue Component

Grant No. PC-22036 (036) Development -07Health -073 -Hospital Seravices-0731-General Hospital Services -073101 General Hospital Services.

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH
DEPARTMENT

NO. & DATE EVEN:

A copy 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, 24-Cooper Road, Lahore.
4. Chief Engineer (North, Central, South Zone), Buildings Department.
5. District Accounts Officer, Concerned District.
6. Project Director, Project Management Unit, P&SH Department.
7. Section Officer (Health-I), Finance Department.
8. Budget Officer-I & III, Finance Department.
9. All Planning Officer, P&SHC Department.
10. PSO to Secretary, P&SH Department.
11. PA to Additional Secretary (Dev & Fin), P&SH Department.
12. PA to Additional Secretary (Admin), P&SH Department.

(M. ASIF RASHEED)
PLANNING OFFICER (D-II)

Rate

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5

AMENDED ROUGH COST ESTIMATE FOR "REVAMPING OF TEHSIL HEAD QURTERS HOSPITALS" AT THQ KAMOKE DISTRICT GUJRANWALA

Sr.#	Description	As per Approved Rough Cost Estimate								As per Amended Rough Cost Estimate								Difference		Remarks	
		Rates (MRS 2nd Bi-Annual 2021 1st July 2021 to 31st December 2021)								Rates (MRS 1st Bi-Annual 2022 1st January 2022 to 30th June 2022)								Excess	Saving		
		Plinth Area	Unit	B.P.	E.I.	P.H.	S.G.	Total Rate 5-8	Amount 3x9	Plinth Area	Unit	B.P.	E.I.	P.H.	S.G.	Total Rate 13-17	Amount 11x17				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
A	Internal Development																				
1	Renovation of Existing Unrevamped Areas in Main Block (Detail Attached)	1	P.job	2586428		-	-	2586428	2,586,428	1	P.job	2746669 2748471	-	-	-	2746669 2748471	2,746,669 2,748,471	160,241 162,043	-		
2	Renovation of Laundry (Detail Attached)	1	P.job	1479372		-	-	1479372	1,479,372	1	P.job	1805276 1803467	-	-	-	1805276 1803467	1,805,276 1,803,467	323,904 324,095	-		
3	Renovation of Mortuary (Detail Attached)	1	P.job	876494		-	-	876494	876,494	1	P.job	1056326 1049286	-	-	-	1056326 1049286	1,056,326 1,049,286	178,832 172,792	-		
4	Construction of LT Panel room	437.25	P.Sft	2300	118	-	-	2418	1,057,271	437.25	P.Sft	2810	160	-	-	2970	1,298,633	241,362	-		
(ii)	El Portion for Panel room	1	P.job	9406037		-	-	9406037	9,406,037	1	P.job	11147157 9960332	-	-	-	11147157 9960332	11,147,157 9,960,332	1,741,120 534,295	-		
4	Extension of Mortuary (12 ft x 18 ft)	289	P.Sft	2300	118	-	-	2418	698,802	289	P.Sft	2810	160	-	-	2970	858,330	159,528	-		
5	Construction of Boundary wall 8ft height	390	P.Rft	5500		-	-	5500	2,145,000	390	P.Rft	6254	-	-	-	6254	2,439,060	294,060	-		
B	External Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	Provision of Tuff Tile Paths (Detail Attached)	1	P.Job	2855215		-	-	2855215	2,855,215	1	P.Job	3216450	-	-	-	3216450	3,216,450	361,235	-		
5	Provision of Approach Road (Detail Attached)	1	P.Job	3450943		-	-	3450943	3,450,943	1	P.Job	3877493	-	-	-	3877493	3,877,493	426,550	-		
6	External Sewerage (Detail Attached)	1	P.Job	304422		-	-	304422	304,422	1	P.Job	372334	-	-	-	372334	372,334	67,912	-		
7	External Lights (Detail Attached)	1	P.Job	2011874		-	-	2011874	2,011,874	1	P.Job	2185579	-	-	-	2185579	2,185,579	173,705	-		
C	Cost of Dismanteling	1	P.Job	127921		-	-	127921	127,921	1	P.Job	136450	-	-	-	136450	136,450	8,529	-		
								Total	26,999,780							Total	31,132,708	4,132,930			
				D/D Cost of old material (6200+5374+19115+170001)					47,690			D/D Cost of old material (6200+33571+9569+214913)						264,253	216,563	-	
				Net Total					26,952,090			Net Total						30,868,455	3,916,367	-	
				Add 5% PRA					1,349,989			Add 5% PRA						1,543,423	193,434	-	
				Add 1% Green Plantation					-			Add 1% Green Plantation						2,966,277	2,966,277	-	
				P/o 400KV Transformer (WAPDA connection)					2,600,000			P/o 400KV Transformer (WAPDA connection)						3,000,000	400,000	-	
				Grand Total					30,902,079			Grand Total						35,720,563	4,818,485	-	
				Say Rs.					30.902 (M)			Say Rs.						35.721 (M)	4.818 (M)	0.000 (M)	

A.A.: 30.902 (M)
 Estimated Cost: 35.721 (M) 34.442
 Excess: 4.818 (M) 3.540
 OR: 15.59% Excess
 11.46

Executive Engineer
 Buildings Division No.2
 Gujranwala

SUPERINTENDING ENGINEER
 Buildings Circle No.2
 Gujranwala

DETAIL FOR RENOVATION OF EXISTING UNREVAMPED AREAS IN MAIN BLOCK

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks		
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving			
		Depth	Contents	Amount	Depth	Contents	Amount					
	Building Portion											
1	Removing Door with chowkat.	5	346.5	each	1733/-	5	376.2	each	1881/-	149/-	0/-	
2	Removing windows and sky lights with chowkat.	1	270.6	each	271/-	1	294.35	each	294/-	24/-	0/-	
3	Dismantling glazed or encaustic tiles, etc	2316.5	1848	%Sft	42809/-	2316.5	2006.4	%Sft	46478/-	3669/-	0/-	
4	Dismantling cement concrete 1:2:4	166.58333	8712	%cft	14513/-	166.58333	9292.8	%cft	15480/-	968/-	0/-	
5	Removing cement or lime plaster	1710.5	330	%sft	5645/-	1710.5	352	%sft	6021/-	376/-	0/-	
6	Cement plaster 1:5 upto 20' (6.00 mm) height:-b)½" (13 mm) thick	1710.5	2296.8	%sft	39287/-	1710.5	2559.6	%sft	43782/-	4495/-	0/-	
7	Distempering:-old surface, Single coat	2127	351	%Sft	7466/-	2127	505.05	%Sft	10742/-	3277/-	0/-	
8	Distempering:-old surface, Two coats											
	Taking 40% two coat on old surface i/c scrapping	1573	1041.80	%Sft	16388/-	1573	1263.65	%Sft	19877/-	3490/-	0/-	
	Taking 60% Double coat	2359.5	447.80	%Sft	10566/-	2359.5	630.05	%Sft	14866/-	4300/-	0/-	
9	Distempering:-new surface, Three coats	1710.5	800.55	%sft	13693/-	1710.5	1167.65	%sft	19973/-	6279/-	0/-	
10	Painting doors and windows, any type two coats on old surface	553	1226.5	%Sft	6783/-	553	1979.65	%Sft	10947/-	4165/-	0/-	
11	Painting sashes, fanlights, glazed or gauzed doors and windows:- two coats on old surface	533	755.20	%Sft	4025/-	533	847.60	%Sft	4518/-	492/-	0/-	
12	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge	604	5214	%Cft	31493/-	604	5874	%Cft	35479/-	3986/-	0/-	
13	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 ¾" thick (1:3) cement plaster i/c the cost of seal erfor 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. {MRS Item - Ch#10, Pg#75, Item# 42a(i)}.	1605	232.95	P.Sft	373885/-	1605	263.2	P.Sft	422436/-	48551/-	0/-	As per MRS

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)					
		Depth	Contents	Amount	Depth	Contents	Amount	Excess	Saving	
14	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. {MRS Item - Ch#10, Pg#75, Item# 43a(i)}									As per MRS
		1820	249.27 P.Sft	453671/-	1820	263.2 P.Sft	479024/-	25353/-	0/-	
15	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor). (MRS item)									
		207	177.67 P.Sft	36778/-	207	189 P.Sft	39123/-	2345/-	0/-	
16	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado). (MRS item)					204/75	42383/-	5606/-		
		690	193.99 P.Sft	133853/-	690	207 P.Sft	142830/-	8977/-	0/-	
						212/-	146232/-	12427/-		
17	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux 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.									
		36	507.05 P.Sft	18254/-	36	614.3 P.Sft	22115/-	3861/-	0/-	
18	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 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.									
		36	332.15 P.Sft	11957/-	36	690.25 P.Sft	24849/-	12892/-	0/-	

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks		
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving			
		Depth	Contents	Amount	Depth	Contents	Amount					
19	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge											
20	Provide and fix 2'-6" x7'-0" Delux U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.	28	572.05	P.Sft	16017/-	28	721.8	P.Sft	20210/-	4193/-	0/-	
		70	650	P.Sft	45500/-	70	650/- 448	P.Sft	45500/- 52360/-	0/- 6860/-	0/-	
21	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 1½"x1" and 1½"x1" bothat 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16SWG, G.I hook, Rawal Plug etc complete in all respects as approved and directed by the Engineer Incharge. i) 6 mm thick.											
		392	93.79	%Sft	36766/-	392	73.55	%Sft	28832/-	0/-	7934/-	As per MRS
22	P/F Led sheet complete in all respect as approved/ directed by the Engineer Incharge											
		1490.5	600	P.Sft	894300/-	1490.5	600	P.Sft	894300/-	0/-	0/-	
23	Repairing and refixing of Aluminum door i/c replacing of triangular gola and gasket,tower bolts,pivots etc and labour charges complete as approved by engineer incharge											
		10	4000	Each	40000/-	10	2766	Each	27660/-	0/-	12340/-	
	Electric Instalation Portion											
23	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect.											
		22	320	P.No	7040/-	22	320	P.No	7040/-	0/-	0/-	
24	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)											
		132	85	P.No	11220/-	132	85	P.No	11220/-	0/-	0/-	
25	S/I of Hilife / Bush Fan Dimmer complete in all respect as per satisfaction of engineer incharge.(N.S)											
		18	250	P.No	4500/-	18	250	P.No	4500/-	0/-	0/-	

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks
		Rates (MRS 2nd Bi-Annual, 2021)			Rates (MRS 1st Bi-Annual 2022)					
		Depth	Contents	Amount	Depth	Contents	Amount	Excess	Saving	
26	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-									
a	A 3/0.029" single core	900	14.05 P.Rft	12645/-	900	20.6 P.Rft	18540/-	5895/-	0/-	
b	A 7/0.029" single core	300	21.30 P.Rft	6390/-	300	32.65 P.Rft	9795/-	3405/-	0/-	
27	Supply and erection of LED Bulb 12 Watts Philipps or equivalent approved quality complete in all respect as approved by engineer incharge.	35	375.00 P.No	13125/-	35	375.00 P.No	13125/-	0/-	0/-	
28	Supply and erection of LED Bulb 24 Watts Philipps or equivalent approved quality complete in all respect as approved by engineer incharge.	30	650.00 P.No	19500/-	30	650.00 P.No	19500/-	0/-	0/-	
29	S/E of SMD ceiling lights 12w with chock i/c cost of fixing charges complete in all respect as per satisfaction of engineer incharge.(N.S)	24	1200.00 P.No	28800/-	24	1200.00 P.No	28800/-	0/-	0/-	
	Public Health Portion									
30	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia	4	1753.75 P.No	7015/-	4	2418.45 P.No	9674/-	2659/-	0/-	
31	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	4	1598.45	6394/-	4	2401.35	9605/-	3212/-	0/-	
32	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	4	2989.50 P.No	11958/-	4	3591.00 P.No	14364/-	2406/-	0/-	
33	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	4	1579.00 P.No	6316/-	4	1980.50 P.No	7922/-	1606/-	0/-	
34	Providing and fixing Bathroom accessories set Master made or equilent podwer coated matching colour consisting shelf, towel rail, rowel ring, cloth hook, bursh holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge. (MRS item)	4	4500.00 P.No	18000/-	4	6600/- 5000.00 P.No	26400/- 20000/-	8400/- 2000/-	0/-	
35	P/F Bath set consisting of open-type wall shower,mixer,basin mixer,tee stop cock 3nos,double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)									

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving	
		Depth	Contents	Amount	Depth	Contents	Amount			
36	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'B' Class working pressure complete in all respects:-4" dia	4	13000.00 P.No	52000/-	4	15000.00 P.No	60000/-	8000/-	0/-	
37	Providing, laying, testing and commissioning of POLY PROPYLENE 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).	80	318.65 P.Rft	25492/-	80	420.05 P.Rft	33604/-	8112/-	0/-	
	(iii)(1") 32 mm	50	110.00 P.Rft	5500/-	50	86.00 P.Rft	4300/-	0/-	1200/-	
	25mm	230	85.00 P.Rft	19550/-	230	53.70 P.Rft	12351/-	0/-	7199/-	
			Total	= 2511095/-		Total	= 2666668/-	185996/-	28673/-	
							80000/-			
			Add 3% Contingency	+ 75333/-		Add 3% Contingency	+ 80053/-	4720/-	0/-	
			G.Total	= Rs.2586428/-		G.Total	= Rs.2748471/-	Rs.190716/-	Rs.28673/-	
	CREDIT OF OLD MATERIAL									
1	Steel doors broken /unserviceable D (4'x7')	1.00	2000.00 Rs.	2000/-	1.00	2000.00 Rs.	2000/-	0/-	0/-	
2	Wooden doors broken /unserviceable D (2.5'x7')	4.00	800.00 Rs.	3200/-	4.00	800.00 Rs.	3200/-	0/-	0/-	
3	Aluminum windows broken /unserviceable W1(6'x6")	1.00	1000.00 Rs.	1000/-	1.00	1000.00 Rs.	1000/-	0/-	0/-	
			Total	Rs. 6200/-		Total	Rs. 6200/-	0/-	0/-	

Executive Engineer
Buildings Division No.2
Gujranwala

DETAIL FOR RENOVATION OF EXISTING UNREVENPED AREAS IN MAIN BLOCK

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
Building Portion							
1	Removing Door with chowkat.	5				= 5 no	
						@ 376.2 each	1881/-
2	Removing windows and sky lights with chowkat.	1				= 1 no	
						@ 294.35 each	294/-
3	Dismantling glazed or encaustic tiles, etc						
	Lab	1	x 24.75	x 20		= 495 Sft	
	Toilet	2	x 8.25	x 5.5		= 91 Sft	
	"	1	x 9	x 9		= 81 Sft	
	"	1	x 5	x 7		= 35 Sft	
	Autoclave Room	1	x 14.75	x 10		= 148 Sft	
	Walls	2	x 1 x(24.75 +	20)x 4		= 358 Sft	
		2	x 1 x(15.75 +	20)x 4		= 286 Sft	
		2	x 2 x(8.25 +	5.5)x 5		= 275 Sft	
		2	x 1 x(9 +	9)x 5		= 180 Sft	
		2	x 1 x(5 +	7)x 5		= 120 Sft	
	Autoclave Room	2	x 1 x(14.75 +	10)x 5		= 248 Sft	
					Total	= 2316.5 Sft	
					@	2006.4 %Sft	46478/-
4	Dismantling cement concrete 1:2:4						
	store	1	x 7.5	x 20	x 0.1667	= 25 cft	
	Store -2	1	x 12	x 11.5	x 0.1667	= 23 cft	
	X-ray room 2	1	x 20.5	x 11.5	x 0.1667	= 39 cft	
	Store-3	1	x 7.25	x 11.5	x 0.1667	= 14 cft	
	Corridor-2	1	x 49	x 7.25	x 0.1667	= 59 cft	
		2	x(7.5 +	20)x 0.5	x 0.0417	= 1 cft	
		2	x(12 +	11.5)x 0.5	x 0.0417	= 1 cft	
		2	x(20.5 +	11.5)x 0.5	x 0.0417	= 1 cft	
		2	x(7.25 +	11.5)x 0.5	x 0.0417	= 1 cft	
		2	x(49 +	7.25)x 0.5	x 0.0417	= 2 cft	
					Total	= 167 cft	
					@	9292.8 %cft	15483/-
5	Removing cement or lime plaster						
	Walls	2	x 1 x(20.5 +	11.5)x 7		= 448 Sft	
	Server room	2	x 1 x(12 +	11.5)x 7		= 329 Sft	
	Dental Room	2	x 1 x(19 +	14.25)x 7		= 466 Sft	
	Toilets	2	x 2 x(8.25 +	5.25)x 6		= 324 Sft	
	Toilets	2	x 1 x(5 +	7)x 6		= 144 Sft	
					Total	= 1711 Sft	
					@	352 %sft	6021/-
6	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick						
	Walls	2	x 1 x(20.5 +	11.5)x 7		= 448 Sft	
	Server room	2	x 1 x(12 +	11.5)x 7		= 329 Sft	
	Dental Room	2	x 1 x(19 +	14.25)x 7		= 466 Sft	
	Toilets	2	x 2 x(8.25 +	5.25)x 6		= 324 Sft	
	Toilets	2	x 1 x(5 +	7)x 6		= 144 Sft	
					Total	= 1711 Sft	
					@	2559.6 %sft	43782/-
7	Distempering:-old surface, Single coat						
	Lab	1	x 24.75	x 20		= 495 Sft	
	Xray room-1	1	x 15.75	x 20		= 315 Sft	
	Toilet	2	x 8.25	x 5.5		= 91 Sft	
	"	1	x 9	x 9		= 81 Sft	
	"	1	x 5	x 7		= 35 Sft	
	Autoclave Room	1	x 14.75	x 10		= 148 Sft	
	store	1	x 7.5	x 20		= 150 Sft	
	Store -2	1	x 12	x 11.5		= 138 Sft	
	X-ray room 2	1	x 20.5	x 11.5		= 236 Sft	
	Store-3	1	x 7.25	x 11.5		= 83 Sft	
	Corridor-2	1	x 49	x 7.25		= 355 Sft	
					Total	= 2127 Sft	
					@	505.05 %Sft	10742/-
8	Distempering:-old surface, Two coats						
	Walls	2	x 1 x(24.75 +	20)x 7		= 626.5 Sft	
		2	x 1 x(15.75 +	20)x 7		= 500.5 Sft	

S.No	Description	No			Length	Breadth	Depth	Contents	Amount					
		2	x	1	x	9	+	9	x	6	=	216	Sft	
	Autoclave Room	2	x	1	x	14.75	+	10	x	6	=	297	Sft	
		2	x	1	x	7.5	+	20	x	7	=	385	Sft	
		2	x	1	x	7.25	+	11.5	x	7	=	262.5	Sft	
	Corridor-1	2	x	1	x	54	+	7.25	x	7	=	858	Sft	
	Corridor-2	2	x	1	x	49	+	7.25	x	7	=	788	Sft	
										Total	=	3933	Sft	
	Taking 40% two coat on old surface i/c scrapping					3932.5	x	0.4				1573		
										@		1263.65	%Sft	19877/-
	Taking 60% Double coat					3932.5	x	0.6				2359.5		
										@		630.05	%Sft	14866/-
9	Distempering:-new surface, Three coats													
	Xray room-2	2	x	1	x	20.5	+	11.5	x	7	=	448	Sft	
	Server room	2	x	1	x	12	x	11.5	x	7	=	329	Sft	
	Dental Room	2	x	1	x	19	x	14.25	x	7	=	466	Sft	
	Toilets	2	x	2	x	8.25	x	5.25	x	6	=	324	Sft	
	Toilets	2	x	1	x	5	x	7	x	6	=	144	Sft	
										Total	=	1711	Sft	
										@		1167.65	%sft	19973/-
10	Painting doors and windows, any type two coats on old surface													
	D1	2	x	4	x	3.5	x	7			=	196	Sft	
	D2	2	x	2	x	4	x	7			=	112	Sft	
	D3	2	x	7	x	2.5	x	7			=	245	Sft	
										Total	=	553	Sft	
										@		1979.65	%Sft	10947/-
11	Painting sashes, fanlights, glazed or gauzed doors and windows:- two coats on old surface													
	Grills	2	x	10	x	3.5	x	3.5			=	245	Sft	
		2	x	4	x	6	x	6			=	288	Sft	
										Total	=	533	Sft	
										@		847.60	%Sft	4518/-
12	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge													
	Lab			1	x	24.75	x	20	x	0.333	=	165	Cft	
	Autoclave Room			1	x	14.75	x	10	x	0.333	=	49	Cft	
	store			1	x	7.5	x	20	x	0.333	=	50	Cft	
	Store -2			1	x	12	x	11.5	x	0.333	=	46	Cft	
	X-ray room 2			1	x	20.5	x	11.5	x	0.333	=	79	Cft	
	Store-3			1	x	7.25	x	11.5	x	0.333	=	28	Cft	
	Corridor-2			1	x	49	x	7.25	x	0.333	=	118	Cft	
	Toilet			2	x	8.25	x	5.5	x	0.333	=	30	Cft	
	"			1	x	9	x	9	x	0.333	=	27	Cft	
	"			1	x	5	x	7	x	0.333	=	12	Cft	
										Total	=	604	Cft	
										@		5874	%Cft	35479/-
13	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 seal erfor 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. (MRS Item - Ch#10, Pg#75, Item# 42a(i)).													
	Lab			1	x	24.75	x	20			=	495	Sft	
	Autoclave Room			1	x	14.75	x	10			=	148	Sft	
	store			1	x	7.5	x	20			=	150	Sft	
	Store -2			1	x	12	x	11.5			=	138	Sft	
	X-ray room 2			1	x	20.5	x	11.5			=	236	Sft	
	Store-3			1	x	7.25	x	11.5			=	83	Sft	
	Corridor-2			1	x	49	x	7.25			=	355	Sft	
										Total	=	1605	Sft	
										@		263.2	P.Sft	422436/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
14	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. {MRS Item - Ch#10, Pg#75, Item# 43a(i)}						
	Lab	2 x 1 x	24.75 +	20	x 4 =	358 Sft	
	Autoclave Room	2 x 1 x	14.75 +	10	x 4 =	198 Sft	
	store	2 x 1 x	7.5 +	20	x 4 =	220 Sft	
	Store -2	2 x 1 x	12 +	11.5	x 4 =	188 Sft	
	X-ray room 2	2 x 1 x	20.5 +	11.5	x 4 =	256 Sft	
	Store-3	2 x 1 x	7.25 +	11.5	x 4 =	150 Sft	
	Corridor-2	2 x 1 x	49 +	7.25	x 4 =	450 Sft	
					Total =	1820 Sft	
					@	263.2 P.Sft	479024/-
15	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor).						
	Toilet	2 x	8.25 x	5.5	=	91 Sft	
	"	1 x	9 x	9	=	81 Sft	
	"	1 x	5 x	7	=	35 Sft	
					Total =	207 Sft	
					@	189 P.Sft	39123/-
16	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado).						
	Walls	2 x 2 x	8.25 +	5.5	x 6 =	330 Sft	
		2 x 1 x	9 +	9	x 6 =	216 Sft	
		2 x 1 x	5 +	7	x 6 =	144 Sft	
					Total =	690 Sft	
					@	207 P.Sft	142830/-
17	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux 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.						
		1 x	6 x	6	=	36 Sft	
					@	614.3 P.Sft	22115/-
18	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 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.						

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
		1 x	6 x	6		= 36 Sft	
						@ 690.25 P.Sft	24849/-
19	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge						
		1 x	4 x	7		= 28 Sft	
						@ 721.8 P.Sft	20210/-
20	Provide and fix 2'-6" x 7'-0" Delux U-PVC Super Q Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.						
		4 x	2.5 x	7		= 70 Sft	
						Total = 70 Sft	
						@ 748 P.Sft	52360/-
21	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 1½"x1" and 1½"x1" bothat 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/ Copper wire 16SWG, G.I hook, Rawal Plug etc complete in all respects as approved and directed by the Engineer Incharge. i) 6 mm thick.						
		1 x	54 x	7.25		= 392 Sft	
						Total = 392 Sft	
						@ 73.55 %Sft	28832/-
22	P/F Led sheet complete in all respect as approved/ directed by the Engineer Incharge						
	Xray room-1	2 x 1 x	15.75 +	20	x 11	= 787 Sft	
	Xray room-2	2 x 1 x	20.5 +	11.5	x 11	= 704 Sft	
						Total = 1491 Sft	
						@ 600 P.Sft	894300/-
23	Repairing and refixing of Aluminum door i/c replacing of triangular gola and gasket,tower bolts,pivots etc and labour charges complete as approved by engineer incharge						
		10				= 10 P.No	
						@ 2766 Each	27660/-
Electric Instalation Portion							
23	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect.						
		22				= 22 P.No	
						@ 320 P.No	7040/-
24	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)						
		132				= 132 P.No	
						@ 85 P.No	11220/-
25	S/I of Hilife / Bush Fan Dimmer complete in all respect as per satisfaction of engineer incharge.(N.S)						

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
		18				= 18 P.No	
						@ 250 P.No	4500/-
26	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-						
a	A 3/0.029" single core	3	x 300			= 900 Rft	
						@ 20.6 P.Rft	18540/-
b	A 7/0.029" single core	1	x 300			= 300 Rft	
						@ 32.65 P.Rft	9795/-
27	Supply and erection of LED Bulb 12 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.						
		35				= 35 P.No	
						@ 375.00 P.No	13125/-
28	Supply and erection of LED Bulb 24 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.						
		30				= 30 P.No	
						@ 650.00 P.No	19500/-
29	S/E of SMD ceiling lights 12w with chock i/c cost of fixing charges complete in all respect as per satisfaction of engineer incharge.(N.S)						
		24				= 24 P.No	
						@ 1200.00 P.No	28800/-
Public Health Portion							
30	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia						
		4				= 4 P.No	
						@ 2418.45 P.No	9674/-
31	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.						
		4				= 4 P.No	
						@ 2401.35	9605/-
32	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal						
		4				= 4 P.No	
						@ 3591.00 P.No	14364/-
33	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.						
		4				= 4 P.No	
						@ 1980.50 P.No	7922/-
34	Providing and fixing Bathroom accessories set Master made or equilent podwer coated matching colour consisting shelf, towel rail, rowel ring, cloth hook, bursh holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge.(N.S)						
		4				= 4 P.No	
						@ 5000.00 P.No	20000/-
35	P/F Bath set consisting of open type wall shower,mixer,basin mixer,tee stop cock 3nos,double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)						

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the specific procedures and protocols that must be followed when conducting financial transactions. It details the steps for initiating a transaction, obtaining necessary approvals, and recording the transaction in the appropriate accounting system.

3. The third part of the document discusses the importance of regular audits and reviews to ensure that all transactions are properly recorded and that the organization's financial statements are accurate.

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
		4				= 4 P.No	
						@ 15000.00 P.No	60000/-
36	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'B' Class working pressure complete in all respects:-4" dia						
		4	x	20		= 80 Ft	
						@ 420.05 P.Rft	33604/-
37	Providing, laying, testing and commissioning of POLY PROPYLENE 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).						
	(iii)(1") 32 mm	50				= 50 Ft	
						@ 86.00 P.Rft	4300/-
	25mm	230				= 230 Ft	
						@ 53.70 P.Rft	12351/-
						Total =	2668418/-
						Add 3% Contingency +	80053/-
						G.Total =	Rs.2748471/-
CREDIT OF OLD MATERIAL							
1	Steel doors broken /unserviceable						
	D (4'x7')			1.00	@	2000.00 Rs.	2000/-
2	Wooden doors broken /unserviceable						
	D (2.5'x7')			4.00	@	800.00 Rs.	3200/-
3	Aluminum windows broken /unserviceable						
	W1(6'x6")			1.00	@	1000.00 Rs.	1000/-
						Total Rs.	6200/-

Executive Engineer,
Buildings Division No.2
Gujranwala.

DETAIL FOR RENOVATION OF LAUNDRY

Sr.#	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)				Rates (MRS 1st Bi-Annual 2022)				Excess	Saving	
		Depth	Contents	Amount	Depth	Contents	Amount					
	Building Portion											
1	Removing Door with chowkat.	1	346.5	each	347/-	1	376.2	each	376/-	30/-	0/-	
2	Removing windows and sky lights with chowkat.	6	270.6	each	1624/-	6	294.35	each	1766/-	143/-	0/-	
3	Dismantling 2nd class tile roofing.	1902	990	%Sft	18830/-	1902	1056	%Sft	20085/-	1255/-	0/-	
4	Dismantling cement concrete 1:2:4	358.5	8712	%cft	31233/-	358.5	9292.8	%cft	33315/-	2082/-	0/-	
5	Removing cement or lime plaster	2117.5	330	%sft	6988/-	2117.5	352	%sft	7454/-	466/-	0/-	
6	Cement plaster 1:5 upto 20' (6.00 mm) height:-b)½" (13 mm) thick	2117.5	2296.8	%sft	48635/-	2117.5	2559.6	%sft	54200/-	5565/-	0/-	
7	Distempering:-old surface, Single coat	1717	351	%Sft	6027/-	1717	505.05	%Sft	8672/-	2645/-	0/-	
8	Distempering:-old surface, Two coats											
	Taking 40% two coat on old surface i/c scrapping	343	1041.80	%Sft	3573/-	343	1263.65	%Sft	4334/-	761/-	0/-	
	Taking 60% Double coat	514.5	448.00	%Sft	2305/-	514.5	630.05	%Sft	3242/-	937/-	0/-	
9	Distempering:-new surface, Three coats	2117.5	800.55	%sft	16952/-	2117.5	1167.65	%sft	24725/-	7773/-	0/-	
10	Painting doors and windows, any type:two coats on old surface	392	1226.5	%Sft	4808/-	392	1979.65	%Sft	7760/-	2952/-	0/-	
11	Painting sashes, fanlights, glazed or gauzed doors and windows:-	144	755.20	%Sft	1087/-	144	847.60	%Sft	1221/-	133/-	0/-	
12	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge	572	5214	%Cft	29824/-	572	5874	%Cft	33599/-	3775/-	0/-	
13	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 seal erfor 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. {MRS Item - Ch#10, Pg#75, Item# 42a(i)}.											As per MRS

14	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. {MRS Item - Ch#10, Pg#75, Item# 43a(i)}.	1669	232.95	P.Sft	388794/-	1669	263.2	P.Sft	439281/-	50487/-	0/-	As per MRS
		1594	249.27	P.Sft	397336/-	1594	263.2	P.Sft	419541/-	22204/-	0/-	
15	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor). <i>MRS item</i>											
		48	177.67	P.Sft	8528/-	48	189 204/75	P.Sft	9072/- 9828/-	544/- 1300/-	0/-	
16	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado). <i>MRS item</i>											
		280	193.99	P.Sft	54317/-	280	207 212/-	P.Sft	57960/- 59360/-	3643/- 5043/-	0/-	
17	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 1/2"x1/2" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.											
		231	604.9	P.Sft	139732/-	231	1371.35	P.Sft	316782/-	177050/-	0/-	
18	Single layer of tile 9"x4-1/2"x1-1/2" laid over 4" Earth 1" mud plaster without bhoosa grouted in 1:3 c/s mortar i/c bitumen & polythene sheet 500 gauge.											
		1902	9061.15	%Sft	172343/-	1902	10048.65	%Sft	191125/-	18782/-	0/-	

19	Provide and fix 2'-6" x 7'-0" Delux U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.											
		18	650	P.Sft	11700/-	18	748	P.Sft	13464/-	1764/-	0/-	
	Electric Instalation Portion											
20	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect.											
		13	320	P.No	4160/-	13	320	P.No	4160/-	0/-	0/-	
21	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)											
		78	85	P.No	6630/-	78	85	P.No	6630/-	0/-	0/-	
22	S/I of Hilife / Bush Fan Dimmer complete in all respect as per satisfaction of engineer incharge.(N.S)											
		12	250	P.No	3000/-	12	250	P.No	3000/-	0/-	0/-	
23	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip											
a	A 3/0.029" single core											
		600	14.05	P.Rft	8430/-	600	20.6	P.Rft	12360/-	3930/-	0/-	
b	A 7/0.029" single core											
		300	21.30	P.Rft	6390/-	300	32.65	P.Rft	9795/-	3405/-	0/-	
24	Supply and erection of LED Bulb 12 Watts Philipps or equivalent approved quality complete in all respect as approved by engineer incharge.											
		26	375.00	P.No	9750/-	26	375.00	P.No	9750/-	0/-	0/-	
25	Supply and erection of LED Bulb 24 Watts Philipps or equivalent approved quality complete in all respect as approved by engineer incharge.											
		20	650.00	P.No	13000/-	20	650.00	P.No	13000/-	0/-	0/-	
	Public Health Portion											
26	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia											
		1	1753.75	P.No	1754/-	1	2418.45	P.No	2418/-	665/-	0/-	
27	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.											
		1	1598.45	P.No	1598/-	1	2401.35	P.No	2401/-	803/-	0/-	

28	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal											
		1	2989.50	P.No	2990/-	1	3591.00	P.No	3591/-	602/-	0/-	
29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.											
		1	1579.00	P.No	1579/-	1	1980.50	P.No	1981/-	402/-	0/-	
30	Providing and fixing Bathroom accessories set Master made or equivalent podwer coated matching colour consisting shelf, towel rail, rowel ring, cloth hook, bursh holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge.(N.S)											
		1	4500.00	P.No	4500/-	1	5000.00	P.No	5000/-	500/-	0/-	
31	P/F Bath set consisting of open type wall shower,mixer,basin mixer,tee stop cock 3nos,double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)											
		1	13000.00	P.No	13000/-	1	15000.00	P.No	15000/-	2000/-	0/-	
32	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'b' Class working pressure complete in all respects:-4" dia											
		20	318.65	P.Rft	6373/-	20	420.05	P.Rft	8401/-	2028/-	0/-	
33	Providing, laying, testing and commissioning of POLY PROPYLENE 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).											
	32mm	20	110.00	P.Rft	2200/-	20	86.00	P.Rft	1720/-	- 480/-	0/-	
	25mm	70	85.00	P.Rft	5950/-	70	53.70	P.Rft	3759/-	- 2191/-	0/-	
									175269/-	316410/-		
			Total	=	1436285/-		Total	=	1750939/-	314654/-	0/-	
									52531/-	9492/-		
			Add 3% Contingency	+	43089/-		Add 3% Contingency	+	52528/-	9440/-	0/-	
									1805276/-	323902/-		
			G.Total	=	Rs.1479374/-		G.Total	=	Rs.1803467/-	Rs.324094/-	Rs.0/-	
	CREDIT OF OLD MATERIAL											
1	Brick tile 65% (22413x3.5)	1236.30	3500.00	%0No	4327/-	1236.30	5500.00	%0No	6800/-	2473/-	0/-	
2	BATS 35 %	665.70	1200.00	%Cft.	7988/-	665.70	3000.00	%Cft.	19971/-	11983/-	0/-	

10/10/10

10/10/10

3	Wooden broken /unserviceable											
	(2.5'x7')	1.00	800.00	Each	800/-	1.00	800.00	Each	800/-	0/-	0/-	
4	Steel windows broken /unserviceable											
	W1(6'x6")	6.00	1000.00	Each	6000/-	6.00	1000.00	Each	6000/-	0/-	0/-	
			Total	Rs.	19115/-		Total	Rs.	33571/-	14455/-	0/-	

Executive Engineer
Buildings Division No.2
Gujranwala

DETAIL FOR RENOVATION OF LAUNDRY

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
	Building Portion						
1	Removing Door with chowkat.	1				= 1 no	
						@ 376.2 each	376/-
2	Removing windows and sky lights with chowkat.	6				= 6 no	
						@ 294.35 each	1766/-
3	Dismantling 2nd class tile roofing.						
		1	x 25.25	x 39		= 985 Sft	
		1	x 21.75	x 15.5		= 337 Sft	
		1	x 35.5	x 12.5		= 444 Sft	
		1	x 15.5	x 8.75		= 136 Sft	
					Total	= 1902 Sft	
						@ 1056 %Sft	20085/-
4	Dismantling cement concrete 1:2:4						
	Laundry	1	x 37.5	x 24.5	x 0.1667	= 153 cft	
	"	1	x 12	x 8	x 0.1667	= 16 cft	
	Store	1	x 6	x 4.5	x 0.1667	= 5 cft	
	Ent	1	x 13.5	x 8.25	x 0.1667	= 19 cft	
	Store2	1	x 5	x 6	x 0.1667	= 5 cft	
		1	x 12	x 25	x 0.1667	= 50 cft	
	Corridor	1	x 6	x 31	x 0.1667	= 31 cft	
	Toilet	1	x 7.75	x 6.25	x 0.1667	= 8 cft	
		2	x(24.5 + 37.5)	x 4	x 0.0417	= 21 cft	
		2	x(12 + 8)	x 4	x 0.0417	= 7 cft	
		2	x(13.5 + 8.25)	x 4	x 0.0417	= 7 cft	
		2	x(6 + 4.5)	x 4	x 0.0417	= 4 cft	
		2	x(12 + 25)	x 4	x 0.0417	= 12 cft	
		2	x(5 + 6)	x 4	x 0.0417	= 4 cft	
	Corridor	2	x(7.25 + 31)	x 4	x 0.0417	= 13 cft	
	Toilet	2	x(7.75 + 6.25)	x 4	x 0.0417	= 5 cft	
					Total	= 359 cft	
						@ 9292.8 %cft	33315/-
5	Removing cement or lime plaster						
	Laundry	2	x 1	x(24.5 + 37.5)	x 7	= 868 Sft	
	"	2	x 1	x(12 + 8)	x 7	= 280 Sft	
	Ent	2	x 1	x(13.5 + 8.25)	x 7	= 305 Sft	
	Store	2	x 1	x(6 + 4.5)	x 7	= 147 Sft	
	Attached Rooms	2	x 1	x(12 + 25)	x 7	= 518 Sft	
					Total	= 2118 Sft	
						@ 352 %sft	7454/-
6	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick						
	Laundry	2	x 1	x(24.5 + 37.5)	x 7	= 868 Sft	
	"	2	x 1	x(12 + 8)	x 7	= 280 Sft	
	Ent	2	x 1	x(13.5 + 8.25)	x 7	= 305 Sft	
	Store	2	x 1	x(6 + 4.5)	x 7	= 147 Sft	
	Attached Rooms	2	x 1	x(12 + 25)	x 7	= 518 Sft	
					Total	= 2118 Sft	
						@ 2559.6 %sft	54200/-
7	Distemping:-old surface, Single coat						
	Laundry	1	x 37.5	x 24.5		= 919 Sft	
	"	1	x 12	x 8		= 96 Sft	



S.No	Description	No	Length	Breadth	Depth	Contents	Amount
	Store	1	6	4.5		27	Sft
	Ent	1	13.5	8.25		111	Sft
	Store2	1	5	6		30	Sft
		1	12	25		300	Sft
	Corridor	1	6	31		186	Sft
	Toilet	1	7.75	6.25		48	Sft
					Total	1717	Sft
					@	505.05	%Sft 8672/-
8	Distempering:-old surface, Two coats						
	Store	2	1	5	6	7	154 Sft
	Toilet	2	1	7.75	6.25	6	168 Sft
	Corridor	2	1	7.25	31	7	536 Sft
					Total	858	Sft
	Taking 40% two coat on old surface i/c scrapping		858	0.4		343	
					@	1263.65	%Sft 4334/-
	Taking 60% Double coat		858	0.6		515	
					@	630.05	%Sft 3242/-
9	Distempering:-new surface, Three coats						
	Laundry	2	1	24.5	37.5	7	868 Sft
	"	2	1	12	8	7	280 Sft
	Ent	2	1	13.5	8.25	7	305 Sft
	Store	2	1	6	4.5	7	147 Sft
	Attached Rooms	2	1	12	25	7	518 Sft
					Total	2118	Sft
					@	1167.65	%sft 24725/-
10	Painting doors and windows, any type:two coats on old surface						
	D1	2	8	3	7		336 Sft
	D2	2	1	4	7		56 Sft
					Total	392	Sft
					@	1979.65	%Sft 7760/-
11	Painting sashes, fanlights, glazed or gauzed doors and windows:-						
	Windows	2	6	4	2		96 Sft
		2	4	3	2		48 Sft
					Total	144	Sft
					@	847.60	%Sft 1221/-
12	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge						
	Laundry	1	37.5	24.5	0.333	306	Sft
	"	1	12	8	0.333	32	Sft
	Store	1	6	4.5	0.333	9	Sft
	Ent	1	13.5	8.25	0.333	37	Sft
	Store2	1	5	6	0.333	10	Sft
		1	12	25	0.333	100	Sft
	Corridor	1	6	31	0.333	62	Sft
	Toilet	1	7.75	6.25	0.333	16	Sft
					Total	572	Cft
					@	5874	%Cft 33599/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
13	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 seal erfor 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. {MRS Item - Ch#10, Pg#75, Item# 42a(i)}.						
	Laundry	1	x	37.5	x	24.5	= 919 Sft
	"	1	x	12	x	8	= 96 Sft
	Store	1	x	6	x	4.5	= 27 Sft
	Ent	1	x	13.5	x	8.25	= 111 Sft
	Store2	1	x	5	x	6	= 30 Sft
		1	x	12	x	25	= 300 Sft
	Corridor	1	x	6	x	31	= 186 Sft
						Total	= 1669 Sft
						@	263.2 P.Sft 439281/-
14	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. {MRS Item - Ch#10, Pg#75, Item# 43a(i)}.						
	Laundry	2	x	1	x	37.5 + 24.5	= 496 Sft
	"	2	x	1	x	12 + 8	= 160 Sft
	Store	2	x	1	x	6 + 4.5	= 84 Sft
	Ent	2	x	1	x	13.5 + 8.25	= 174 Sft
	Store2	2	x	1	x	5 + 6	= 88 Sft
		2	x	1	x	12 + 25	= 296 Sft
	Corridor	2	x	1	x	6 + 31	= 296 Sft
						Total	= 1594 Sft
						@	263.2 P.Sft 419541/-
15	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor).						
	Toilet	1	x	7.75	x	6.25	= 48 Sft
						Total	= 48 Sft
						@	189 P.Sft 9072/-
16	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado).						
	Walls	2	x	2	x	7.75 + 6.25	= 280 Sft
						Total	= 280 Sft
						@	207 P.Sft 57960/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
17	Providing and fixing windows consisting of M.S. box section frame 2"x1½", (50x40mm) leaves frame 1½"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 ½"x½" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat ½"x1/8" (13x3mm) or ¾"x¼" (6x6mm) square bar with independent frame of ½"x½" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	5	x	6	x	6	= 180 Sft
		1	x	6	x	8.5	= 51 Sft
						Total	= 231 Sft
						@ 1371.35	P.Sft 316782/-
18	Single layer of tile 9'x4-1/2"x1-1/2" laid over 4" Earth 1" mud plaster without bhoosa grouted in 1:3 c/s mortar i/c bitumen & polythene sheet 500 gauge.	1	x	25.25	x	39	= 985 Sft
		1	x	21.75	x	15.5	= 337 Sft
		1	x	35.5	x	12.5	= 444 Sft
		1	x	15.5	x	8.75	= 136 Sft
						Total	= 1902 Sft
						@ 10048.65	%Sft 191125/-
19	Provide and fix 2'-6" x7'-0" Delux U-PVC Super Q Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.	1	x	2.5	x	7	= 18 Sft
						Total	= 18 Sft
						@ 748	P.Sft 13464/-
	Electric Instalation Portion						
20	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect.	13					= 13 P.No
						@ 320	P.No 416C/-
21	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)	78					= 78 P.No
						@ 85	P.No 6630/-
22	S/I of Hilife / Bush Fan Dimmer complete in all respect as per satisfaction of engineer incharge.(N.S)	12					= 12 P.No
						@ 250	P.No 3000/-
23	Supply and erection of single core PVC insulated copper conductor cables, in prelaid						
a	A 3/0.029" single core	2	x	300			= 600 Rft
						@ 20.6	P.Rft 12360/-
b	A 7/0.029" single core	1	x	300			= 300 Rft

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
24	Supply and erection of LED Bulb 12 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.	26				@ 32.65 P.Rft	9795/-
						= 26 P.No	
25	Supply and erection of LED Bulb 24 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.	20				@ 375.00 P.No	9750/-
						= 20 P.No	
						@ 650.00 P.No	13000/-
Public Health Portion							
26	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia	1				= 1 P.No	
						@ 2418.45 P.No	2418/-
27	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	1				= 1 P.No	
						@ 2401.35 P.No	2401/-
28	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	1				= 1 P.No	
						@ 3591.00 P.No	3591/-
29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	1				= 1 P.No	
						@ 1980.50 P.No	1981/-
30	Providing and fixing Bathroom accessories set Master made or equivalent powder coated matching colour consisting shelf, towel rail, towel ring, cloth hook, brush holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge (N.S)	1				= 1 P.No	
						@ 5000.00 P.No	5000/-
31	P/F Bath set consisting of open type wall shower, mixer, basin mixer, tee stop cock 3nos, double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)	1				= 1 P.No	
						@ 15000.00 P.No	15000/-
32	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'b' Class working pressure complete in all respects:-4" dia	1 x 20				= 20 Ft	
						@ 420.05 P.Rft	8401/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
33	Providing, laying, testing and commissioning of POLY PROPYLENE 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).						
	32mm	20				= 20 Ft	
						@ 86.00 P.Rft	1720/-
	25mm	70				= 70 Ft	
						@ 53.70 P.Rft	3759/-
						Total =	1750939/-
						Add 3% Contingency +	52528/-
						G.Total =	Rs.1803467/-
CREDIT OF OLD MATERIAL							
1	Brick tile 65% (22413x3.5)			1902	0.65	1236	
				@	5500.00	%0 Nos	Rs. 6800/-
2	BATS 35 %			1902	0.35	666	
				@	3000.00	% Cft.	Rs. 19971/-
3	Wooden broken /unserviceable (2.5'x7')			1.00	@	800.00	Rs. 800/-
4	Steel windows broken /unserviceable W1(6'x6")			6.00	@	1000.00	Rs. 6000/-
						Total	Rs. 33571/-

Executive Engineer
Buildings Division No.2
Gujranwala

DETAIL FOR RENOVATION OF MORTUARY

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving	
		Depth	Contents	Amount	Depth	Contents	Amount			
	Building Portion									
1	Removing Door with chowkat.	1	346.5 each	347/-	1	376.2 each	376/-	30/-	0/-	
2	Removing windows and sky lights with chowkat.	2	270.6 each	541/-	2	294.35 each	589/-	48/-	0/-	
3	Dismantling 2nd class tile roofing.	552	990 %Sft	5465/-	552	1056 %Sft	5829/-	364/-	0/-	
4	Dismantling glazed or encaustic tiles, etc	1390	1848.00 %Sft	25687/-	1390	2006.40 %Sft	27889/-	2202/-	0/-	
5	Distempering:-old surface, Single coat	126	351 %Sft	442/-	126	505.05 %Sft	636/-	194/-	0/-	
6	Distempering:-old surface, Two coats Taking 40% two coat on old surface i/c scrapping	217	1041.8 %Sft	2261/-	217	1263.65 %Sft	2742/-	481/-	0/-	
	Taking 60% Double coat	325.5	448.00 %Sft	1458/-	325.5	630.05 %Sft	2051/-	593/-	0/-	
7	Painting doors and windows, any type:two coats on old surface	309	1226.5 %Sft	3790/-	309	1979.65 %Sft	6117/-	2327/-	0/-	
8	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge	206	5214.00 %Cft	10741/-	206	5874.00 %Cft	12100/-	1360/-	0/-	
9	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 seal erfor 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. {MRS Item - Ch#10, Pg#75, Item# 42a(i)}.	579	249.27 P.Sft	144327/-	579	263.20 P.Sft	152393/-	8065/-	0/-	As per MRS
		216	125.07 P.Sft	27015/-	216	263.2 P.Sft	56851/-	29836/-	0/-	
10	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. {MRS Item - Ch#10, Pg#75, Item# 43a(i)}	1473.75	249.27 P.Sft	367362/-	1473.75	263.2 P.Sft	387891/-	20529/-	0/-	As per MRS
		240	96.33 P.Sft	23119/-	240	263.2 P.Sft	63168/-	40049/-	0/-	



11	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor). (MRS item)	40	177.67	P.Sft	7107/-	40	204/75 189	P.Sft	8190/- 7560/-	1083/- 453/-	0/-
12	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado). (MRS item)	156	193.99	P.Sft	30262/-	156	212/- 207	P.Sft	33072/- 32292/-	2310/- 2030/-	0/-
13	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: old surface: (inc scraping)	1269	1657.70	%Sft	21036/-	1269	2383.80	%Sft	30250/-	9214/-	0/-
14	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe 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.	72	507.05	P.Sft	36508/-	72	614.3	P.Sft	44230/-	7722/-	0/-
15	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	72	332.15	P.Sft	23915/-	72	690.25	P.Sft	49698/-	25783/-	0/-
16	Provide and fix 2'-6" x7'-0" Deluxe U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.	18	650	P.Sft	11700/-	18	748	P.Sft	13464/-	1764/-	0/-
17	Single layer of tile 9"x4-1/2"x1-1/2" laid over 4" Earth 1" mud plaster without bhoosa grouted in 1:3 c/s mortar i/c bitumen & polythene sheet.	552	9061.15	%Sft	50018/-	552	10048.65	%Sft	55469/-	5451/-	0/-
Electric Instalation Portion											
18	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect.										

	17.5 x 10 cm (7"x4")	2	320	P.No	640/-	2	320	P.No	640/-	0/-	0/-	
19	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)											
		12	85	P.No	1020	12	85	P.No	1020	0/-	0/-	
20	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-											
a	A 3/0.029" single core	300	14.05	P.Rft	4215/-	300	20.6	P.Rft	6180/-	1965/-	0/-	
b	A 7/0.029" single core	300	21.30	P.Rft	6390/-	300	32.65	P.Rft	9795/-	3405/-	0/-	
21	Supply and erection of LED Bulb 12 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.											
		10	375.00	P.No	3750/-	10	375.00	P.No	3750/-	0/-	0/-	
22	Supply and erection of LED Bulb 24 Watts Philips or equivalent approved quality complete in all respect as approved by engineer incharge.											
		5	650.00	P.No	3250/-	5	650.00	P.No	3250/-	0/-	0/-	
	Public Health Portion											
23	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia											
		1	1753.75	P.No	1754/-	1	2418.45	P.No	2418/-	665/-	0/-	
24	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.											
		1	1598.45	P.No	1598/-	1	2401.35	P.No	2401/-	803/-	0/-	
25	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal											
		1	2989.50	P.No	2990/-	1	3591.00	P.No	3591/-	602/-	0/-	
26	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.											
		1	1579.00	P.No	1579/-	1	1980.50	P.No	1981/-	402/-	0/-	
27	Providing and fixing Bathroom accessories set Master made or equilent podwer coated matching colour consisting shelf, towel rail, rowel ring, cloth hook, bursh holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge. (N.S) (MRS itcm)											
		1	4500.00	P.No	4500/-	1	6600/- 5000.00	P.No	6600/- 5000/-	2100/- 500/-	0/-	
28	P/F Bath set consisting of open type wall shower,mixer,basin mixer,tee stop cock 3nos,double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)											
		1	13000.00	P.No	13000/-	1	13000/- 45000.00	P.No	13000/- 15000/-	0/- 2000/-	0/-	
29	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'B' Class working pressure complete in all respects:-4" dia											

10

30	Providing, laying, testing and commissioning of POLY PROPYLENE 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).	15	318.65	P.Rft	4780/-	15	420.05	P.Rft	6301/-	1521/-	0/-
	32mm	30	110.00	P.Rft	3300/-	30	86.00	P.Rft	2580/-	0/-	720/-
	25mm	60	85.00	P.Rft	5100/-	60	53.70	P.Rft	3222/-	0/-	1878/-
			Total	=	850966/-		Total	=	1018724/- 1019734/-	170357/- 171367/-	2598/-
			Add 3% Contingency	+	25529/-		Add 3% Contingency	+	30562/- 30592/-	5033/- 5063/-	0/-
			G.Total	=	Rs.876495/-		G.Total	=	Rs.1049286/- 1050326/-	Rs.175389/- 176430/-	Rs.2598/-
	CREDIT OF OLD MATERIAL										
1	Brick tile 65% (22413x3.5)	359	3500.00	%0No.	1256/-	359	5500.00	%0No.	1973/-	718/-	0/-
2	BATS 35 %	193	1200.00	%Cft.	2318/-	193	3000.00	%Cft.	5796/-	3478/-	0/-
3	Wooden broken /unserviceable (2.5'x7')	1.00	800.00	Each	800/-	1.00	800.00	Each	800/-	0/-	0/-
4	Aluminum windows broken /unserviceable W1(6'x6")	1.00	1000	Each	1000/-	1.00	1000	Each	1000/-	0/-	0/-
			Total	Rs.	5374/-		Total	Rs.	9569/-	4195/-	0/-

Executive Engineer
Buildings Division No.2
Gujranwala

DETAIL FOR RENOVATION OF MORTUARY

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
	Building Portion						
1	Removing Door with chowkat.	1				= 1 no	
						@ 376.2 each	376/-
2	Removing windows and sky lights with chowkat.	2				= 2 no	
						@ 294.35 each	589/-
3	Dismantling 2nd class tile roofing.	1 x 27.5 x 12.875				= 354 Sft	
		1 x 22 x 9				= 198 Sft	
					Total	= 552 Sft	
					@	1056 %Sft	5829/-
4	Dismantling glazed or encaustic tiles, etc						
	Floor	1 x 19.625 x 21.75				= 427 Sft	
		1 x 8 x 8.25				= 66 Sft	
		1 x 8 x 7.375				= 59 Sft	
		1 x 8 x 5				= 40 Sft	
		1 x 5.375 x 5				= 27 Sft	
	Walls	2 x 1 x 19.625 + 21.75			x 4	= 331 Sft	
		2 x 1 x 8 + 8.25			x 4	= 130 Sft	
		2 x 1 x 8 + 7.375			x 4	= 123 Sft	
		2 x 1 x 8 + 5			x 4	= 104 Sft	
		2 x 1 x 5.375 + 5			x 4	= 83 Sft	
					Total	= 1390 Sft	
					@	2006.40 %Sft	27889/-
5	Distemping:-old surface, Single coat						
		1 x 8 x 7.375				= 59 Sft	
		1 x 8 x 5				= 40 Sft	
		1 x 5.375 x 5				= 27 Sft	
					Total	= 126 Sft	
					@	505.05 %Sft	636/-
6	Distemping:-old surface, Two coats						
	Walls	2 x 1 x 8 + 7.375			x 7	= 215 Sft	
		2 x 1 x 8 + 5			x 7	= 182 Sft	
		2 x 1 x 5.375 + 5			x 7	= 145 Sft	
					Total	= 543 Sft	
	Taking 40% two coat on old surface i/c scrapping		542.5 x 0.4			= 217	
					@	1263.65 %Sft	2742/-
	Taking 60% Double coat		542.5 x 0.6			= 325.5	
					@	630.05 %Sft	2051/-
7	Painting doors and windows, any type:two coats on old surface						
	D1	2 x 2 x 5 x 7				= 140 Sft	
	D2	2 x 3 x 3 x 7				= 126 Sft	
	D3	2 x 1 x 2.5 x 7				= 35 Sft	
	V	2 x 1 x 2 x 2				= 8 Sft	
					Total	= 309 Sft	
					@	1979.65 %Sft	6117/-
8	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge						
	Floor	1 x 19.625 x 21.75 x 0.333				= 142 Cft	
		1 x 8 x 8.25 x 0.333				= 22 Cft	
		1 x 8 x 7.375 x 0.333				= 20 Cft	
		1 x 5.375 x 5 x 0.333				= 9 Cft	
	Floor	1 x 8 x 5 x 0.333				= 13 Cft	
					Total	= 206 Cft	
					@	5874.00 %Cft	12100/-
9	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 seal erfor 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. (MRS Item - Ch#10, Pg#75, Item# 42a(i)).						
	Floor	1 x 19.625 x 21.75				= 427 Sft	



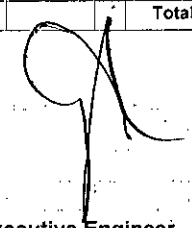
S.No	Description	No	Length	Breadth	Depth	Contents	Amount
		1 x 8 x 8.25				= 66 Sft	
		1 x 8 x 7.375				= 59 Sft	
		1 x 5.375 x 5				= 27 Sft	
					Total A	= 579 Sft	
					@ 263.20	P.Sft	152393/-
	Extended Portion	1 x 12 x 18				= 216 Sft	
					Total B	= 216 Sft	
					@ 263.2	P.Sft	56851/-
10	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (i) 400 mm x 400 mm. (MRS Item - Ch#10, Pg#75, Item# 43a(i))						
	Walls	2 x 1 x (19.625 + 21.75) x 11				= 910 Sft	
		2 x 1 x (8 + 8.25) x 11				= 358 Sft	
		2 x 1 x (8 + 7.375) x 4				= 123 Sft	
		2 x 1 x (5.375 + 5) x 4				= 83 Sft	
					Total A	= 1474 Sft	
					@ 263.2	P.Sft	387891/-
	Extended Portion	2 x 1 x (12 + 18) x 4				= 240 Sft	
					Total B	= 240 Sft	
					@ 263.2	P.Sft	63168/-
11	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor).						
	Floor	1 x 8 x 5				= 40 Sft	
					Total	= 40 Sft	
					@ 189	P.Sft	7560/-
12	Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado).						
	Walls	2 x 1 x (8 + 5) x 6				= 156 Sft	
					Total	= 156 Sft	
					@ 207	P.Sft	32292/-
13	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:old surface:(inc scraping)						
		2 x 1 x (29.5 + 23.375) x 12				= 1269 Sft	
					Total	= 1269 Sft	
					@ 2383.80	%Sft	30250/-
14	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux 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.						
		2 x 6 x 6				= 72 Sft	
					@ 614.3	P.Sft	44230/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
15	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size 1-1/2"x1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.						
		2	x	6	x	6	
						=	72 Sft
						@	690.25 P.Sft 49698/-
16	Provide and fix 2'-6" x7'-0" Delux U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.						
		1	x	2.5	x	7	
						=	18 Sft
						Total =	18 Sft
						@	748 P.Sft 13464/-
17	Single layer of tile 9'x4-1/2"x1-1/2" laid over 4" Earth 1" mud plaster without bhoosa grouted in1:3 c/s mortar i/c bitumen & polythene sheet.						
		1	x	27.5	x	12.875	
						=	354 Sft
		1	x	22	x	9	
						=	198 Sft
						Total =	552 Sft
						@	10048.65 %Sft 55469/-
Electric Instalation Portion							
18	S/I of Bush Hilife made Gang Plate i/c Box 4-6 holes complete in all respect. 17.5 x 10 cm (7"x4")						
		2				=	2 P.No
						@	320 P.No 640/-
19	S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)						
		12				=	12 P.No
						@	85 P.No 1020
20	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-						
a	A 3/0.029" single core						
		1	x	300		=	300 Rft
						@	20.6 P.Rft 6180/-
b	A 7/0.029" single core						
		1	x	300		=	300 Rft
						@	32.65 P.Rft 9795/-
21	Supply and erection of LED Bulb 12 Watts Philiphs or equivalent approved quality complete in all respect as approved by engineer incharge.						
		10				=	10 P.No
						@	375.00 P.No 3750/-
22	Supply and erection of LED Bulb 24 Watts Philiphs or equivalent approved quality complete in all respect as approved by engineer incharge.						
		5				=	5 P.No
						@	650.00 P.No 3250/-
Public Health Portion							
23	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.Coloured i/c P Trap 4" dia						
		1				=	1 P.No
						@	2418.45 P.No 2418/-

(36)

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
24	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	1				= 1 P.No	
						@ 2401.35 P.No	2401/-
25	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	1				= 1 P.No	
						@ 3591.00 P.No	3591/-
26	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	1				= 1 P.No	
						@ 1980.50 P.No	1980/-
27	Providing and fixing Bathroom accessories set Master made or equivalent powder coated matching colour consisting shelf, towel rail, towel ring, cloth hook, brush holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge.(N.S)	1				= 1 P.No	
						@ 5000.00 P.No	5000/-
28	P/F Bath set consisting of open type wall shower,mixer,basin mixer,tee stop cock 3nos,double bib cock 1 nos including fixing charges complete all respect approved by engineer incharge (N.S)	1				= 1 P.No	
						@ 15000.00 P.No	15000/-
29	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with 'B' Class working pressure complete in all respects:-4" dia	15				= 15 Ft	
						@ 420.05 P.Rft	6301/-
30	Providing, laying, testing and commissioning of POLY PROPYLENE 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).						
	32mm	30				= 30 Ft	
						@ 86.00 P.Rft	2580/-
	25mm	60				= 60 Ft	
						@ 53.70 P.Rft	3222/-
						Total =	1018724/-
						Add 3% Contingency +	30562/-
						G.Total =	Rs.1049286/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
CREDIT OF OLD MATERIAL							
1	Brick tile 65% (22413x3.5)			552	0.65	359	
				@	5500.00	%0 Nos	Rs. 1973/-
2	BATS 35 %			552	0.35	193	
				@	3000.00	% Cft.	Rs. 5796/-
3	Wooden broken /unserviceable (2.5'x7')			1.00	@	800.00	Rs. 800/-
4	Aluminum windows broken /unserviceable W1(6'x6")			1.00	@	1000	Rs. 1000/-
						Total	Rs. 9569/-

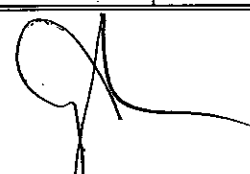

 Executive Engineer
 Buildings Division No.2
 Gujranwala

Construction of LT Panel Room

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving	
		Depth	Contents	Amount	Depth	Contents	Amount			
1	S/E of PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:7/0.064"	2030	275.50 P.Rft	Rs. 559265/-	2030	656.95 P. rft	Rs. 1333609/-	Rs. 774344/-	Rs. 0/-	
2	S/L Transmission of wire /cables manufactured by Pakistan Cables newage, fast or pioneer from mcc and Acp panels etc complete 300mm2 4 core	200	7004.00 P.Rft	Rs. 1400800/-	200	8055.00 P. rft	Rs. 1611000/-	Rs. 210200/-	Rs. 0/-	
3	S/E of 6" wide 4" high 14 swg perforated cable tray16 swg cover ,both GI sheets i/c coupling plates.	1500	390.00 P.Rft	Rs. 585000/-	1500	449.00 P. rft	Rs. 673500/-	Rs. 88500/-	Rs. 0/-	
4	P/F Main Panel Board 400 Amp (M.C.C.B) BusBars Netural. E1 Main Panel Board complete in all respect as approved by engineer incharge	1	421000 Each	Rs. 421000/-	1	421000/- Each	Rs. 421000/-	Rs. 0/-	Rs. 0/-	
5	Provision of earthing upto 105 ft boring with 1/2" thick copper bar and strip etc as approved by engineer incharge	5	75000 Each	Rs. 75000/-	5	86000 Each	Rs. 86000/-	Rs. 11000/-	Rs. 0/-	

6	P/F Main panel board 600 Amp (MDB) with 06-Nos. TP MCCB 65 KA 100/63 Amp, Instruments Protection 12/14SWG sheet fabricated, Indoor type, IP-44, Floor Mounting, ems make 800Amp Copper Bus Bar: Assembling / installation / Commissioning & Testing inside of panel complete in all respect as per your design/drawing SLD.											
		1	653150	Each	Rs. 653150/-	1	653150/- 751000	Each	Rs. 653150/- Rs. 751000/-	Rs. 0/-		
7	Synchronizing & Load sharing control (600 KVA) panel for 100 to 200 KVA Generator System, 3-Synchronizing generator Module DEEP See UK, 3-400Amp Automatic control through 4-Pole magnetic contactor AC3, 3-400Amp MCCB TP MCCB 50 KA, Over Load short circuit protection & outgoing circuit 1250Amp TP MCCB 50KA, 100A TP MCCB 25KA, Instruments metering protection & 12/14SWG sheet fabricated, Indoor type, IP-44, Floor Mounting, ems make 1500Amp Copper Bus Bar: Assembling / installation / Commissioning & Testing inside of panel complete in all respect as per design/drawing SLD.											
		1	4739700	Each	Rs. 4739700/-	1	4739700/- 5450000	Each	Rs. 4739700/- Rs. 5450000/-	Rs. 0/-		

8	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratings, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, brass glands, Indication lights, Push buttons, CTs, Contactors, Controle MCB, Surge Suppressors, Auto/Manual Switches, Exhaust Fan, Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge. (iii) 150KVAR. MRS Item Ch#24 Pg#185 Item#93(iii).											
		1	698160.00	Each	Rs. 698160/-	1	433373.54	Each	Rs. 433374/-	Rs. 0/-	Rs. 264786/-	
									9940332/-	1073044/-		
			Total	=	Rs. 9132075/-		Total	=	Rs. 40822482/-	Rs. 1955194/-	Rs. 264786/-	
									298210/-	24248/-		
			Add 3% Contingency	+	273962/-		Add 3% Contingency	+	324674/-	Rs. 50712/-	Rs. 0/-	
									10238542/-	1097291/-		
			Total	=	Rs. 9406037/-		Total	=	Rs. 41147157/-	Rs. 2005906/-	Rs. 264786/-	


 Executive Engineer
 Buildings Division No.2
 Gujranwala

Construction of LT Panel Room

E.I PORTION

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
1	S/E of PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:7/0.064"						
			2030			= 2030 Rft	
					Total	= 2030 Rft	
					@	656.95 P. rft	Rs. 1333609/-
2	S/L Transmission of wire /cables manufactured by Pakistan Cables newage, fast or poineer from mcc and Acp panels etc complete 300mm2 4 core						
			200			= 200 Rft.	
					Total	= 200 Rft	
					@	8055.00 P. rft	Rs. 1611000/-
3	S/E of 6" wide 4" high 14 swg perforated cable tray16 swg cover ,both GI sheets i/c coupling plates.						
			1500			= 1500 Rft	
					Total	= 1500 Rft	
					@	449.00 P. rft	Rs. 673500/-
4	P/F Main Panel Board 400 Amp (M.C.C.B) BusBars Netural. E1 Main Panel Board complete in all respect as approved by engineer incharge						
			1			= 1 No	
					Total	= 1 No	
					@	484000 Each	Rs. 484000/-
5	Provision of earthing upto 105 ft boring with 1/2" thick copper bar and strip etc as approved by engineer incharge						
			5			= 5 No	
					Total	= 5 No	
					@	86000 Each	Rs. 86000/-
6	P/F Main panel board 600 Amp (MDB) with 06-Nos. TP MCCB 65 KA 100/63 Amp, Instruments Protection 12/14SWG sheet fabricated, Indoor type, IP-44, Floor Mounting, ems make 800Amp Copper Bus Bar: Assembling / installation / Commissioning & Testing inside of panel complete iin all respect as per your design/drawing SLD.						
			1			= 1 No	
					Total	= 1 No	
					@	751000 Each	Rs. 751000/-

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
7	Synchronizing & Load sharing control (600 KVA) panel for 100 to 200 KVA Generator System, 3-Synchronizing generator Module DEEP See UK, 3-400Amp Automatic control through 4-Pole magnetic contactor AC3, 3-400Amp MCCB TP MCCB 50 KA, Over Load short circuit protection & outgoing circuit 1250Amp TP MCCB 50KA, 100A TP MCCB 25KA, Instruments metering protection & 12/14SWG sheet fabricated, Indoor type, IP-44, Floor Mounting, ems make 1500Amp Copper Bus Bar: Assembling / installation / Commissioning & Testiung inside of panel complete iin all respect as per design/drawing SLD.						
			1			= 1 No	
						Total = 1 No	
						@ 5450000 Each	Rs. 5450000/-
8	P/F PFI PLANT (Power Factor Improvement Plant) comprising of components of required ratitngs, in MS box of 14 SWG i/c the cost of 3mm thick Backlite sheet (Safety Sheet) Lock, thimbles, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, brass glands, Indication lights,Push buttons,CTs, Contactors,Controle MCB,Surge Suppressors, Auto/Manual Switches,Exhaust Fan,Temp regulators as per WAPDA standards complete in all respects as approved and directed by the Engineer Incharge. (iii)150KVAR. MRS Item Ch#24 Pg#185 Item#93(iii).						
			1			= 1 No	
						Total = 1 No	
						@ 433373.54 Each	Rs. 433374/-

Total = Rs. 10822482/-

Add 3% Contingency	+	324674/-
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Total = Rs. 11147157/-

Executive Engineer
Buildings Division No.2
Gujranwala



DETAIL FOR PROVISION OF TUFF TILE PATHS

Sr.#	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)				Rates (MRS 1st Bi-Annual 2022)				Excess	Saving	
		Depth	Contents	Amount		Depth	Contents	Amount				
1	Excavation in foundation of building, bridges and other structures, including dag belling, drsssing, refilling around structure with excavated earthm watering and ramming, lead upto one chain and lift above 5ft (in ordinary soil)											
		2640	% OCft	8395.2	22163/-	2640	% OCft	8949.6	23627/-	1464/-	0/-	
2	P/L cement concrete using bricks or stone ballast 1 1/2" to 2" gauge in foundation and plinth (1:6:18)											
		581	% Cft	12336.6	71651/-	581	% Cft	14211.6	82541/-	10890/-	0/-	
3	Pacca brick work (1:6) cement sand mortar in F&P											
		1733	% Cft	24478.15	424084/-	1733	% Cft	26404.8	457463/-	33379/-	0/-	
4	Filling, watering and ramming earth under floor with surplus earth excavated from foundation											
		1742	% OCft	4039.2	7038/-	1742	% OCft	4303.2	7498/-	460/-	0/-	
5	Filling, watering and ramming earth under floor with new earth excavated from out side lead upto 3 mile											
		13207	% OCft	14502.34	191539/-	13207	% OCft	15564.60	205569/-	14030/-	0/-	
6	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.											
		7475	% Cft	5649.6	422304/-	7475	% Cft	6475.8	484062/-	61758/-	0/-	
7	Providing and laying Tuff tile pavers 60mm thick Multi colour of approved manufacturer sand cushion + sand grouted over etc complete and as approved by the Engineer Incharge 60mm											
		14950	P.Sft	109.25	1633274/-	14950	P.Sft	124.55	1862007/-	228733/-	0/-	
				Total	2772053/-			Total	3122767/-	350714/-	0/-	
		Add 3% Contingency		+	83162/-	Add 3% Contingency		+	93683/-	10521/-	0/-	
			G.Total	=	2855215/-		G.Total	=	3216450/-	361235/-	0/-	


 Executive Engineer
 Buildings Division No.2
 Gujranwala

DETAIL FOR PROVISION OF TUFF TILE PATHS

Sr. No.	Description	No	L	B	H	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures, including dag belling, drssing, refilling around structure with excavated earthm watering and ramming, lead upto one chain and lift above 5ft (in ordinary soil)								
		2	250	x	2	x 1.5 = 1500	Cft		
		2	90	x	2	x 1.5 = 540	Cft		
	Infront of store	2	30	x	2	x 1.5 = 180	Cft		
		2	20	x	2	x 1.5 = 120	Cft		
	Garden	2	50	x	2	x 1.5 = 300	Cft		
						2640	Cft	% 0Cft	8949.6
									23627/-
2	P/L cement concrete using bricks or stone ballast 1 1/2" to 2" gauge in foundation and plinth (1:6:18)								
		2	250	x	2	x 0.33 = 330	Cft		
		2	90	x	2	x 0.33 = 118.8	Cft		
	Infront of store	2	30	x	2	x 0.33 = 39.6	Cft		
		2	20	x	2	x 0.33 = 26.4	Cft		
	Garden	2	50	x	2	x 0.33 = 66	Cft		
						581	Cft	% Cft	14211.6
									82541/-
3	Pacca brick work (1:6) cement sand mortar in F&P								
	Side Road	2	250	x	1.5	x 0.25 = 187.5	Cft		
		2	250	x	1.125	x 0.25 = 140.63	Cft		
		2	250	x	0.75	x 2 = 750	Cft		
	Waiting	2	90	x	1.5	x 0.25 = 67.5	Cft		
		2	90	x	1.125	x 0.25 = 50.625	Cft		
		2	90	x	0.75	x 2 = 270	Cft		
	Infront of store	2	30	x	1.125	x 0.25 = 16.875	Cft		
		2	30	x	0.75	x 2 = 90	Cft		
		2	20	x	1.125	x 0.25 = 11.25	Cft		
		2	20	x	0.75	x 2 = 60	Cft		
	Garden	2	50	x	1.125	x 0.25 = 28.125	Cft		
		2	20	x	0.75	x 2 = 60	Cft		
						1733	Cft	% Cft	26404.8
									457463/-
4	Filling, watering and ramming earth under floor with surplus earth excavated from foundation								
		1	2640	x	0.66	x = 1742.4	Cft		
						1742	Cft	% 0Cft	4303.2
									7498/-
5	Filling, watering and ramming earth under floor with new earth excavated from out side lead upto 3 mile								
		1	84	x	55	x 1 = 4620	Cft		
		1	34	x	49	x 1 = 1666	Cft		
		1	49	x	37.5	x 1 = 1837.5	Cft		
		1	41.5	x	39.75	x 1 = 1649.6	Cft		
		1	18	x	16.5	x 1 = 297	Cft		
		1	41	x	33.5	x 1 = 1373.5	Cft		
		1	41	x	16.75	x 1 = 686.75	Cft		
		1	19	x	90.5	x 1 = 1719.5	Cft		
		1	30	x	20	x 1 = 600	Cft		
		1	50	x	10	x 1 = 500	Cft		
						Total = 14950	Cft		
						1742.4	Cft		
						Net.Qty	13207	Cft	% 0Cft
								15564.60	205559/-

DETAIL FOR PROVISION OF APPROACH ROAD

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks	
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)						
		Depth	Contents	Amount	Depth	Contents	Amount	Excess	Saving		
1	Dismantling and removing road pavement, etc. including screening and staking of by products upto one chain lead.										
		2500	%Cft	2114.65	52866/-	2500	%Cft	2255.6	56390/-	3524/-	0/-
2	Excavation in foundation of building, bridges and other structures, including dag belling, drsssing, refilling around structure with excavated earthm watering and ramming, lead upto one chain and lift above 5ft (in ordinary										
		6600	% OCft	8395.20	55408/-	6600	% OCft	8949.60	59067/-	3659/-	0/-
3	P/L cement concrete using bricks or stone ballast 1 1/2" to 2" gauge in foundation and plinth (1:6:18)										
		759	% Cft	12336.60	93635/-	759	% Cft	14211.60	107866/-	14231/-	0/-
4	Pacca brick work (1:6) cement sand mortar in F&P										
		3558	% Cft	24478.15	870887/-	3558	% Cft	26404.80	939433/-	68547/-	0/-
5	Relaying of dismantled material of road pavement i/c watering ramming compaction complete in all respect. (ch#6,item#38)										
		2250	% OCft	3217.50	72394/-	2250	% OCft	3432.00	77220/-	4826/-	0/-
6	Filling, watering and ramming earth under floor with surplus earth excavated from foundation										
		4356	% OCft	4039.20	17595/-	4356	% OCft	4303.20	18745/-	1150/-	0/-
7	Filling, watering and ramming earth under floor with new earth excavated from out side lead upto 3 mile										
		12150	% OCft	14502.34	176203/-	12150	% OCft	15564.60	189110/-	12906/-	0/-
8	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.										
		4650	% Cft	5649.60	262706/-	4650	% Cft	6475.80	301125/-	38418/-	0/-
9	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4										
		6900	% Cft	25344.00	1748736/-	6900	% Cft	29211.60	2015600/-	266864/-	0/-
				Total	3350430/-			Total	3764556/-	414126/-	0/-
		Add 3% Contingency			100513/-	Add 3% Contingency			112937/-	12424/-	0/-
			G.Total	=	3450943/-		G.Total	=	3877493/-	426550/-	0/-

Executive Engineer
Buildings Division No.2
Gujranwala

EXTERNAL SEWERAGE

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks	
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)			Excess	Saving		
		Qty	Contents	Amount	Qty	Contents	Amount				
1	P/L RCC pipes moulded with cement concrete 1:1-1/2:3 with spigot socket or collar joints										
C	12" dia.	200	430.8	P.Rft	86160	200	639.45	P.Rft	127890	41730	0
2	Earth work excavation in open cutting for sewers and manholes in all type soil except shingle, gravel and rock.										
		1000	6,925.65	%0Cft	6926	1000	7,446.05	%0Cft	7446	520.4	0
3	Rehanding of earth work lead upto single through of kassi.										
		90	1,980.00	%0Cft	178	90	2,112.00	%0Cft	190	11.88	0
4	Construction of Man Hole Detail attached										
		6	35193	Each	211158	6	39468	Each	236807	25649.401	0
				Total	304422			Total	372334	67912	0
				Say Rs.	304422			Say Rs.	372334	67912	0

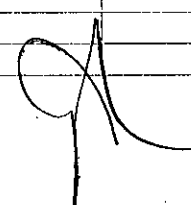
Executive Engineer
Buildings Division No.2
Gujranwala

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ANALYSIS OF MANHOLE

1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.								
		1	4.5	5	3	68	Cft		
					Total	68	Cft		
					(@)Rs.	7446.05	%0Cft	Rs.	503
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:12)								
		1	4.5	5	0.5	11	Cft		
					(@)Rs.	15465.60	%Cft	Rs.	1740
3	Pacca brick work 1:4 cement mortar in other the buildings upto 10 ft height.								
		2	4	0.75	5	30	Cft		
		2	3	0.75	5	23	Cft		
					Total	53	Cft		
					(@)Rs.	27571.60	%Cft	Rs.	14475
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.								
		1	2.5	3	0.33	2	Cft		
					(@)Rs.	29211.60	%Cft	Rs.	723
5	½"thick cement sand plaster (1:4) upto 20-ft height i/c floating coat.								
		2	5.5	5		55	Sft		
		2	8.5	5		85	Sft		
					Total	140	Sft		
					(@)Rs.	2661.85	%Sft	Rs.	3727
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.								
		1	4	4.5	0.375	7	Cft		
D/D		22/7x4	1.83	1.83	0.875	1	Cft		
					Total	6	Cft		
					(@)Rs.	474.65	P.Cft	Rs.	2848
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.								
Take qty item No.6		1	6	6.75	0.454	18	Kg		
					(@)Rs.	25968.40	%Kg	Rs.	4775
8	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.								
		1	2.5	3		8	Sft		
					(@)Rs.	2367.8	%Sft	Rs.	178
9	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.								
						1	No		
					(@)Rs.	10500.45	Each	Rs.	10500
							Total	Rs.	39468
							Say	Rs.	39468


 Executive Engineer
 Buildings Division No.2
 Gujranwala

DETAIL FOR PROVISION OF EXTERNAL LIGHTS

Sr.#	Description	As per Approved Rough Cost Estimate			As per Amended Rough Cost Estimate			Difference		Remarks	
		Rates (MRS 2nd Bi-Annual 2021)			Rates (MRS 1st Bi-Annual 2022)						
		Qty	Contents	Amount	Qty	Contents	Amount	Excess	Saving		
1.	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel ,tapped from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge. a) Single Arm (i) 10 mtr height. MRS Item Ch#24, Item#68a(i).										
		20	Each	75000	1500000/-	20	Each	77055.95	1541119/-	41119/-	0/-
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-										
a	A 3/0.029" single core										
		6000	14.05	P.Rft	84300/-	6000	20.60	P.Rft	123600/-	39300/-	0/-
b	A 7/0.029" single core										
		4200	21.30	P.Rft	89460/-	4200	32.65	P.Rft	137130/-	47670/-	0/-
3	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.										
		40	Each	1912.2	76488/-	40	Each	2185.8	87432/-	10944/-	0/-
4	Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps) philips made										
		40	Each	3575.7	143028/-	40	Each	4316	172640/-	29612/-	0/-
5	S/E of LED Buld 45 watt										
		40	Each	1500	60000/-	40	Each	1500	60000/-	0/-	0/-
				Total	1953276/-			Total	2121921/-	168645/-	0/-
		Add 3% Contingency			58598/-	Add 3% Contingency			63658/-	5059/-	0/-
			G.Total	=	2011874/-		G.Total	=	2185579/-	173704/-	0/-

Executive Engineer
Buildings Division No.2
Gujranwala

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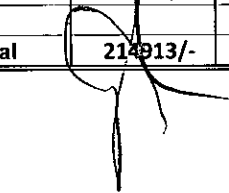
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Executive Engineer
Buildings Division No.2
Gujranwala

DETAIL FOR DISMANTLING OF BOUNDARY WALL IN BACK SIDE OF THQ KAMOKI

Sr.#	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Rates (MRS 2nd Bi-Annual 2021)				Rates (MRS 1st Bi-Annual 2022)				Excess	Saving	
		Qty	Contents	Amount	Qty	Contents	Amount					
1	Dismantling brick work with cement sand mortar.											
		3800	%Cft.	3366	127921/-	3800	%Cft.	3590.4	136450/-	8528/-	0/-	
				Total	127921/-			Total	136450/-	8528/-	0/-	
	D/D Cost of old material											
1	Old Bricks											
		30783	%No.	4800	147760/-	30783	%No.	5500	169308/-	21548/-	0/-	
2	Old Bricks Bats											
		1520	%Cft.	1200	18242/-	1520	%Cft.	3000	45605/-	27363/-	0/-	
				Total	170001/-			Total	214913/-	27363/-	0/-	


 Executive Engineer
 Buildings Division No.2
 Gujranwala

DETAIL FOR DISMANTLING OF BOUNDARY WALL IN BACK SIDE OF THQ KAMOKI

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S.No	Description	Nos	Length	Breadth	Depth	Contents	Amount
1	Dismantling brick work with cement sand mortar						
	Boundary wall	1 x 390	x	0.75	x 8	=	2340
		1 x 390	x	1.125	x 1.5	=	658
	Pillars	47 x 1.125	x	0.375	x 8.5	=	169
					Total	=	3167
	Add 20% of foundation					+	633
						=	3800 Cft
		@ 3590.40				%Cft	= 136450/-
						Total:	= 136450/-

COST OF OLD MATERIAL

1	Old bricks	3800	x	60%	x	1350%	=	30783 Nos.
					@	5500/-		%oNos. = 169308/-
2	Old brick bats	3800	x	40%			=	1520 Cft
					@	3000/-		%Cft = 45605/-
							Total	= 214913/-

Executive Engineer
Buildings Division No. 2
Gujranwala

Analysis Of Rate For

Provide and fix 2'-6" x7'-0" Delux U-PVC Super Q-Box door with U-PVC Door Frame/Threshold (Duroframe KB1) including latch lock of M/S world Comex Trading Co. Situe No.26,27-F Shama Plaza Ferozepure Road Lahore Ph.7583774 or approved equal by the Engineer complete in all respect as per drawing and manufacturer sample approved by the Engineer.

RATE ANALYSIS 1x2-1/2x6.75=16.875 Sft

DETAIL	UNIT RATE PER P.SFT				
	QTY		RATE PER UNIT (Rs.)		AMOUNT
MATERIAL					
i) U-PVC door as specified 30" x81"x38mm	16.875	Sft	416	P.Sft	7020.00
ii) U-PVC door frame as specified Duroframe KB1	16.5	Rft	145	P.Rft	2392.50
iii) Hings (Matching colour)	4	Nos	45	Each	180.00
iv) ABS- Locks	1	Nos	500	Each	500.00
v) Brass tower bolts	1	Nos	100	Each	100.00
				TOTAL	10192.50
Add Contractor's 20%					2038.50
				TOTAL(A)	12231.00
LABOUR					
i) Fixing/assambling of leaf at site.					300.00
				TOTAL	300.00
Sundries 10%					30.00
				TOTAL	330.00
Contractor's 20%		16.875			66.00
				TOTAL (B)	396.00
				Total (A+B)	12627.00
ITEM RATE					
Composite Rate per P.Sft			11007/16.875		748.27
			Say Rs		748
Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 (1st Jan 2022 To 30th Jun 2022.) District Gujranwala.					

Executive Engineer
Buildings Division No.2
Gujranwala

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ANALYSIS OF RATE

Repairing and refixing of Aluminum door i/c replacing of triangular gola and gasket,tower bolts,pivots etc and labour charges complete as approved by engineer incharge

S.No	Detail	Unit Rate (British System) for Each		
		Qty	Rate =Each	Amount Rs.
A	<u>MATERIAL</u>			
1	Aluminum tringular gola and gasket for "4'x7'"			
	to 4 (2 + 3)	20 Rft.		
	Leaver 4 x 7	28 Rft.		
	4 x 1.375	5.5 Rft.		
	Total	54 Rft.		
	Wastag 10%	5.4 Rft.		
	Total	59 Rft.	14	823.90
2	Pivots	4 Nos	310	1240.00
3	Aluminim Tower Bolts	2 Nos	60	120.00
			Total	2183.90
	20 Percent			436.78
	Total			2620.68
B	<u>LABOUR (For 20 Nos)</u>			
1	Aluminium Technician	2.00 No	1100 p.day	2200.00
	Total			2200.00
	Sundries 10 Percent			220
	Total			2420.00
	Contractor profit & Overhead Charge 20 Percent			484
	Total			2904.00
	<u>ITEM RATES</u>			
	Labour rate for Each Door		2904.00 / 20	
			Rs. 145.20	
	Composite rate for Each		Rs. 2765.88	
			Say Rs. 2766.00 Each	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 (1st Jan 2022 to 30th Jun 2022)
District Gujranwala.


 Executive Engineer
 Buildings Division No.2
 Gujranwala

(57)

Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Floor).

MRS 1st Bi Annual 2022		Unit Rate P.Sft				
Detail		For Analysis purpose (100.00 Sft)				
		Quantity		Rate per unit (Rs)		Amount
MATERIAL						
i). CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light i/c wastage. (CC7): 734 PSQM /10.76 = 68.22 Sft.		110	Sft	68.22	P.Sft	7504.20
ii). White Cement (06.009)		0.1	Bag	1350	P.Bag	135
iii). Grey Cement (06.008)		2.16	Bag	720	P.Bag	1555.2
vi). Pigment (10.015)		0.45	Kg	120	P.Kg	54
v). Sand (06.007)		5.2	Cft	2100	%Cft	109.2
Total						9357.60
Contractor's profit and over head charges 20%						1871.52
Total						11229.12
Labour						
i). Mason (LB-040)		2	Nos	1100	P.Day	2200
ii).Un skilled Coolies (LB-015)		4	Nos	800	P.Day	3200
iii). Bahishti (LB-017)		0.5	No	850	P.Day	425
Total						5825
Sundries 10%						582.5
Total						6407.5
Contractor's profit and over head charges 20%						1281.5
Total						7689
Item Rate						
Labour Rate for P.Sft						76.89
Composite Rate per % P.sft						18918.12
Composite Rate per P.Sft						189.18
				Say Rs.		189

Executive Engineer
Buildings Division No.2
Gujranwala

Providing and laying CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light (Master made), for flooring, laid over a bed of 3/4" thick cement sand mortar ratio 1:2 filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect and as approved by the Engineer Incharge (Dado).

MRS 1st Bi Annual 2022	Unit Rate P.Sft				
Detail	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
MATERIAL					
i). CERAMIC WALL TILES (PREMIUM) Size 12x18 Plain Light i/c wastage. (CC7): 734 PSQM /10.76 = 68.22 Sft.	110	Sft	68.22	P.Sft	7504.20
ii). White Cement (06.009)	0.1	Bag	1350	P.Bag	135
iii). Grey Cement (06.008)	2.16	Bag	720	P.Bag	1555.2
vi). Pigment (10.015)	0.45	Kg	120	P.Kg	54
v). Sand (06.007)	5.2	Cft	2100	%Cft	109.2
Total					9357.60
Contractor's profit and over head charges 20%					1871.52
Total					11229.12
Labour					
i). Mason (LB-040)	2.5	Nos	1100	P.Day	2750
ii). Un skilled Coolies (LB-015)	5	Nos	800	P.Day	4000
iii). Bahishti (LB-017)	0.5	No	850	P.Day	425
Total					7175
Sundries 10%					717.5
Total					7892.5
Contractor's profit and over head charges 20%					1578.5
Total					9471
Item Rate					
Labour Rate for P.Sft					94.71
Composite Rate per % P.sft					20700.12
Composite Rate per P.Sft					207.00
			Say Rs.		207

Executive Engineer
Buildings Division No.2
Gujranwala

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ANALYSIS OF RATE

S/I of Hilife / Bush Gang Plate i/c Box complete in all respect. 6 Hholes to 10 holes as per satisfaction of engineer incharge (NS)

S.No	Detail	Unit Rate (British System) for Each			
		Qty	Rate Per Unit		Amount Rs.
A	<u>MATERIAL</u>				
1	Basic rate gange plate 6-10 holes	1 No	185	Each	185.00
2	Cost of wall box plastic made	1 No	41	Each	41.00
3	Screws 2" (24.259)	2 No	15	P.do2	2.50
	Total				228.50
	Contractor profit & Overhead Charge				
	20 Percent				45.70
	Total				274.20
B	<u>LABOUR (For 50 Nos)</u>				
1	Electrician (LB-035)	1.00 No	1100	p.day	1100.00
1	Helper (LB-061)	1.00 No	800	p.day	800.00
	Total				1900.00
	Sundries				
	10 Percent				190
	Total				2090.00
	Contractor profit & Overhead Charge				
	20 Percent				418
	Total				2508.00
	<u>ITEM RATES</u>				
	Labour rate for Each		2508.00	/ 50	
			Rs. 50.16		
	Composite rate for Each		Rs. 324.36		
			Say Rs. 320.00	Each	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Gujranwala.

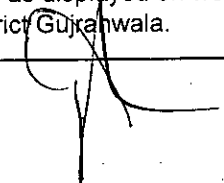

 Executive Engineer
 Buildings Division No.2
 Gujranwala

ANALYSIS OF RATE

S/I of Hilife / Bush Switch single pole One way complete in all respect as per satisfaction of engineer incharge. (N.S)

S.No	Detail	Unit Rate (British System) for Each		
		Qty	Rate Per Unit	Amount Rs.
A	MATERIAL			
1	Basic rate switch 10-amp single pole one way (n.s)	1 No	49 Each	49.00
	Total			49.00
	Contractor profit & Overhead Charge 20 Percent			9.80
	Total			58.80
B	LABOUR (for 50 nos)			
1	Electrician (P1, LB035)	1.00 No	1100 p.day	1100.00
	Total			1100.00
	Sundries 10 Percent			110
	Total			1210.00
	Contractor profit & Overhead Charge 20 Percent			242
	Total			1452.00
	ITEM RATES			
	Labour rate for Each			Rs. 29.04
	Composite rate for Each			Rs. 87.84
				Say Rs. 85.00 Each

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Gujranwala.

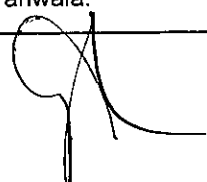

 Executive Engineer
 Buildings Division No.2
 Gujranwala

ANALYSIS OF RATE

Providing and fixing LED bulb 18W philips or equivalent quality(N.S)

S.No	Detail	Unit Rate (British System)		
		Qty	Rate Per Unit	Amount Rs.
A	<u>MATERIAL</u>			
1	Basic rate LED bulb 24watt Best quality	1 No	528 Each	528.00
	Total			528.00
	Contractor profit & Overhead Charge 20 Percent			105.60
	Total			633.60
B	<u>LABOUR (for 80 nos)</u>			
1	Electrician (LB035)	1 No	1100 Each	1100.00
	Total			1100.00
	Sundries 10 Percent			110
	Total			1210.00
	Contractor profit & Overhead Charge 20 Percent			242
	Total			1452.00
	<u>ITEM RATES</u>			
	Labour rate for Each		Rs. 18.15	
	Composite rate		Rs. 651.75	
	say		Rs. 650.00	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Gujranwala.


 Executive Engineer
 Buildings Division No.2
 Gujranwala

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ANALYSIS OF RATE

Providing and fixing LED bulb 12W philips or equivalent quality(N.S)

S.No	Detail	Unit Rate (British System)		
		Qty	Rate Per Unit	Amount Rs.
A	<u>MATERIAL</u>			
1	Basic rate LED bulb 12watt Best quality	1 No	300 Each	300.00
	Total			300.00
	Contractor profit & Overhead Charge 20 Percent			60.00
	Total			360.00
B	<u>LABOUR (for 80 nos)</u>			
1	Electrician (LB035)	1 No	1100 Each	1100.00
	Total			1100.00
	Sundries 10 Percent			110
	Total			1210.00
	Contractor profit & Overhead Charge 20 Percent			242
	Total			1452.00
	<u>ITEM RATES</u>			
	Labour rate for Each	Rs.	18.15	
	Composite rate	Rs.	378.15	
	say	Rs.	375.00	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Gujranwala.


 Executive Engineer
 Buildings Division No.2
 Gujranwala

ANALYSIS OF RATE

S/E of SMD ceiling lights 12w with chock i/c cost of fixing charges complete in all respect as per satisfaction of engineer incharge.(N.S)

S.No	Detail	Unit Rate (British System)		
		Qty	Rate Per Unit	Amount Rs.
A 1	MATERIAL			
	Basic rate SMD ceiling light 12w Best quality	1 No	973 Each	973.00
	Total			973.00
	Contractor profit & Overhead Charge 20 Percent			194.60
	Total			1167.60
B 1	LABOUR (for 40 nos)			
	Electrician (LB035)	1 No	1100 Each	1100.00
	Total			1100.00
	Sundries 10 Percent			110
	Total			1210.00
	Contractor profit & Overhead Charge 20 Percent			242
	Total			1452.00
	ITEM RATES			
	Labour rate for Each	Rs.	36.30	
	Composite rate	Rs.	1203.90	
	say	Say Rs.	1200.00	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 District Gujranwala.

Executive Engineer
Buildings Division No.2
Gujranwala

ANALYSIS OF RATE

Providing and fixing Bathroom accessories set Master made or equivalent powder coated matching colour consisting shelf, towel rail, towel ring, cloth hook, brush holder, paper holder and looking glass etc i/c cost of screws, labour and carriage charges complete in all respect as approved by the Engineer Incharge.

S.No	Detail	Unit Rate (British System) for Each		
		Qty	Rate Per Unit	Amount Rs.
A	<u>MATERIAL</u>			
i.	Basic rate Bathroom accessories set Master made (7-pes) powder coated	1.00 No	3860.00 Each	3860.00
ii.	Screws upto 1" long (12.122)	1.00 Dozen	20.00 P.dozen	20.00
	Total			3880.00
	Contractor profit & Overhead Charge 20 Percent			776.00
	Total			4656.00
B	<u>LABOUR (for 4 nos)</u>			
ii.	Plumber (lb.046)	1.00 No	1100 Each	1100.00
	Total			1100.00
	Sundries 10 Percent			110
	Total			1210.00
	Contractor profit & Overhead Charge 20 Percent			242
	Total			1452.00
	<u>ITEM RATES</u>			
	Labour rate for Each		Rs. 363.00	
	Composite rate for Each		Rs. 5019.00	
		Say	Rs. 5000.00 Each	

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st BI-Annual -2022 (1st Jan/2022 To 30th June 2022) District Gujranwala.

Executive Engineer
Buildings Division No.2
Gujranwala

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Analysis Of Rate For

P/F Led sheet: complete in all respect as approved/ directed by the Engineer Incharge

S.No	Detail	Unit Rate P.Sft			
		Quantity		Rate per unit	Amount
	For Analysis (100.00 Sft)				
	<u>MATERIAL</u>				
1	P/F Led sheet with 5% wastage	105.00	Sft	458 P.Sft	48090.00
	Total				48090.00
	Contractor profit & over head's 20%				9618.00
	Total				57708.00
	<u>LABOUR</u>				
1	Carpenter (LB-029)	1.00	Nos	1100.00 P.Day	1100.00
2	Helper (LB-061)	1.00	Nos	800.00 P.Day	800.00
	Total				1900.00
	Sundries 10%				190.00
	Total				2090.00
	Contractor profit & over head's 20%				418.00
	Total				2508.00
	<u>Item Rate</u>				
	Labour Rate Per Sft				25.08
	Composite Rate per % P.Sft	57708.00	+	2508.00	60216.00
	Composite rate per Sft				602.16
	Say			Say Rs.	600.00
	Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st Bi-Annual -2022 (1st Jan 2022 To 30th June 2022) District Gujranwala.				

Executive Engineer
Buildings Division No.2
Gujranwala

8. ANNUAL OPERATING COST (POST COMPLETION)

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

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

PKR Million											
Sr #	Object Code	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		15.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

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

9. DEMAND AND SUPPLY ANALYSIS

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)

	FY 2021-22	FY 2022-23
Funds Released	6.000	8.484
Utilization	4.710	1.623

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	12.000	22.442
Utilization	12.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

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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

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

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:

Designation:

Email:

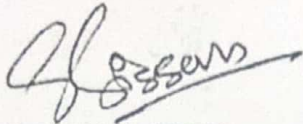
Tel. No.:

Fax No:

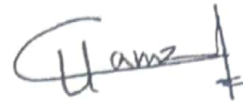
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:

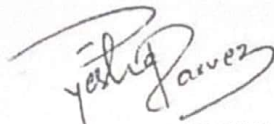


(HISSAN ANEES)
DIRECTOR PLANNING & HR, PMU,
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



(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

20. MARGINALISATION OF PC-1

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

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