PC-1

Balance Work of THQ Hospital Chishtian

ORIGINAL APPROVED COST	**PKR Million. 75.448/-**
ORIGINAL APPROVED GESTATION	**43 Months** **Till June 2025**
APPROVAL FORUM	**DDWP (DDWP)**

1. NAME OF THE PROJECT

Balance Work of THQ Hospital Chishtian

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. BAHAWALNAGAR

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5367
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Provision of Rs.1300 reflected at G.S. No.660 of ADP 2020-21 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

ATTACHED

Project objectives and its relationship with Sectorial Objectives and Components

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of DHQ and THQ Hospitals, the placement of various facilities of hospitals are re planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.
Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Details of revamping in DHQ is given below:

Total area of the THQ Hospital Chishtian:	57,432 SFT
Area completed:	52,32 SFT
External Development and Electrification:	Not Executed

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

Accordingly, on the basis of RCE of IDAP and de-scope civil work received 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.
Now it has been decided to complete the balance civil work of revamping through C&W Department. Accordingly, the Rough Cost estimates of balance civil work

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

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

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

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

5.3.3.1 ICU

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

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

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

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

5.3.3.4 BURN UNIT

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

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

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

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

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

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

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

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

5.6.2 Supply of missing Biomedical and non-biomedical equipment

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

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

- With the addition of necessary biomedical equipment like CT Scan/X-Ray/Ultrasound and Color Doppler, Burn Unit equipment, ICU/CCU equipment, Ventilators, Medical Gas Pipeline System and Operation Theaters etc. hospital clinical staff and administration is able to provide better healthcare to the patients' way beyond the limits prior to revamping.

- Due to availability of this necessary biomedical equipment coupled with trained staff, the load on specialized healthcare hospitals has greatly reduced. The hustle and bustle of general public (especially rural) faced due to travelling towards far furlong specialized healthcare hospitals has reduced.
- Lifesaving biomedical equipment for instance Emergency Equipment, Operation theaters equipment has contributed in saving many lives due to availability of the said equipment and this contribution is still going on.
- Non availability of this equipment was enforcing the public for private and costly treatments, which was resulting into huge financial impact on public. The availability of these services at government rates has beneficial impact on public.
- The provision of non-biomedical equipment has facilitated the public, patients and staff largely e.g. Air Conditioners, Office Furniture, Benches, Ceiling fans and generators etc.
- The provision of non-biomedical equipment e.g. waste bin sets, bed sheets, blankets etc. has contributed towards overall hospital cleanliness which has reduced the disease hotspots of hospitals.

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

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

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

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

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

The system manages the patients load, organizes the patient's queues in an adequate manner and gives them the ease in waiting area; and they will be examined gracefully by doctors at their turn. Basic information of the patient is also linked with its ticket, being taken at the first counter. This will help established a unique ID against each patient. This will also lead to the establishment of Electronic

Medical Record. The Process flow of Queue Management System at DHQ is given as follows:

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

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

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

1. Same token number will be used at all the counters and patient will be getting the ticket from ticketing machine only once at the time of entry.
2. QMS will cater for missed, skipped or delayed patient at any counter.

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

5.7.2 Public Address System

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

5.7.3 CCTV System

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

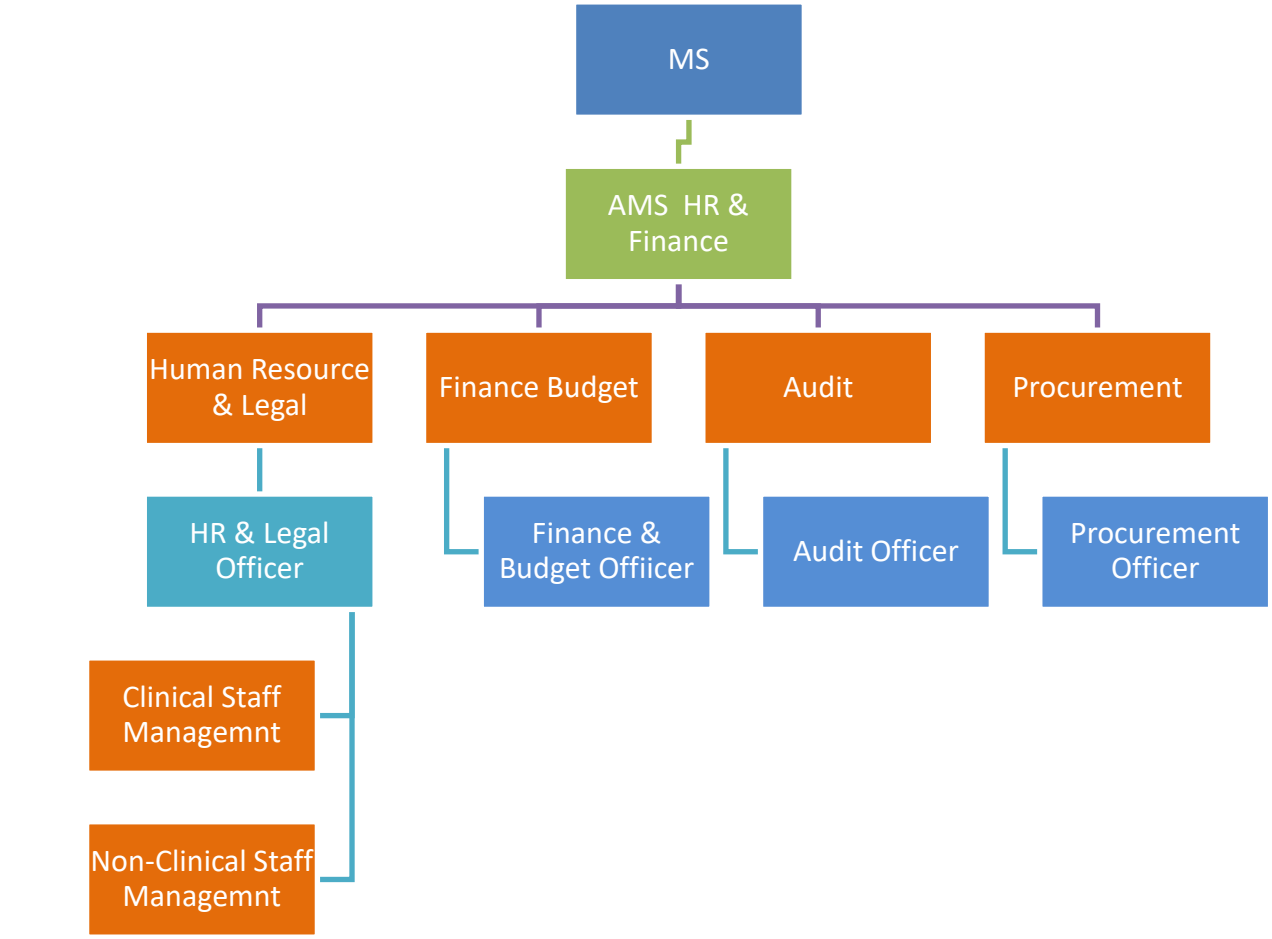
5.7.4 EMR and Networking

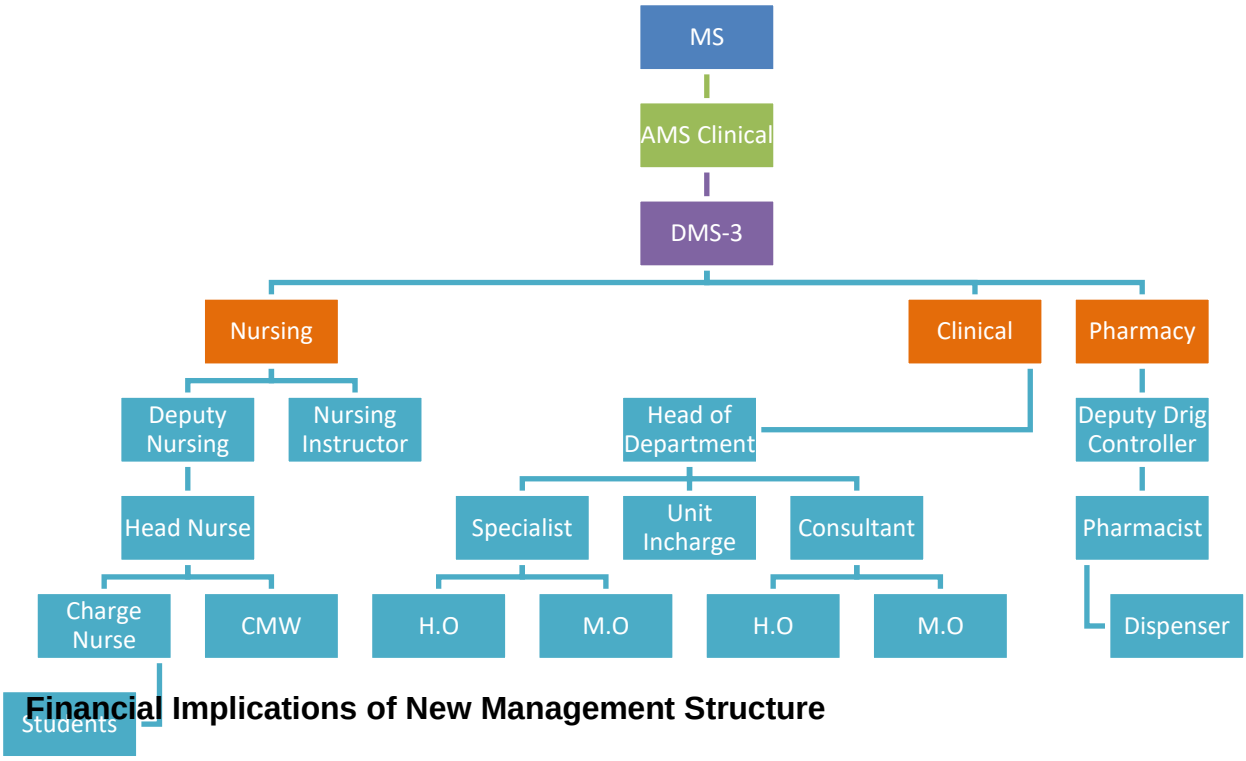
Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries regarding patients' needs to be made e.g. Radiology/Pathology, Indoor, outdoor etc. This will serve as backbone to implement the Electronic Medical Record System in the Hospital which has the key feature of generating Unique Medical Record Number for each patient.

This MR number will serve as an identity for patients during their treatment, retrieval of records and for decision making.

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

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





Financial Implications of New Management Structure

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

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

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
Admin Officer	1	80,000	960,000	105,000	1,260,000
Human Resource Officer	1	80,000	960,000	105,000	1,260,000
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000
Procurement Officer	1	80,000	960,000	105,000	1,260,000
Quality Assurance Officer	1	80,000	960,000	105,000	1,260,000
Logistics Officer	1	80,000	960,000	105,000	1,260,000
Data Entry Operator (DEO)	2	35,000	840,000	44,000	1,056,000
Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000

Total	**11**	**645,000**	**8,760,000**	**849,000**	**11,556,000**

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eigibility Criteria

1. Minimum qualification Masters' degree in 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

Eigibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

1. Smooth conduct and completion of all types of audit in hospital
2. Pre-audit of all Payments
3. Liaison with external audit teams
4. Preparation of replies of audit paras, working paper for Department Accounts committee, Special Departmental accounts committee & Public Accounts committee meetings
5. Development of SOPs for finance, budget, procurement as per Government rules & regulations
6. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eigibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

1. Security
2. Transport
3. Parking
4. Janitorial
5. Canteen
6. External housekeeping
7. Electrical works
8. Internal housekeeping
9. Laundry
10. Stores & supplies

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

1. Minimum qualification Masters' degree in Computer Science / MCS / BSCS (Hons) / MSC Statistics/ MBA / M Com / BS Engineering or equivalent from HEC recognized University

2. 1 years post degree experience of IT / Data analysis (Additional credit may be given for similar assignment experience)

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

   OR

   16 years education along with Post graduate diploma in Total Quality Management/ Post graduate diploma in Health Safety and Environmental Management System / Post graduate diploma in Healthcare and Hospital Management / Quality Assurance or equivalent.
2. Minimum 1 year post degree relevant professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

1. M.Sc. Supply Chain Management/ MBA or Equivalent.

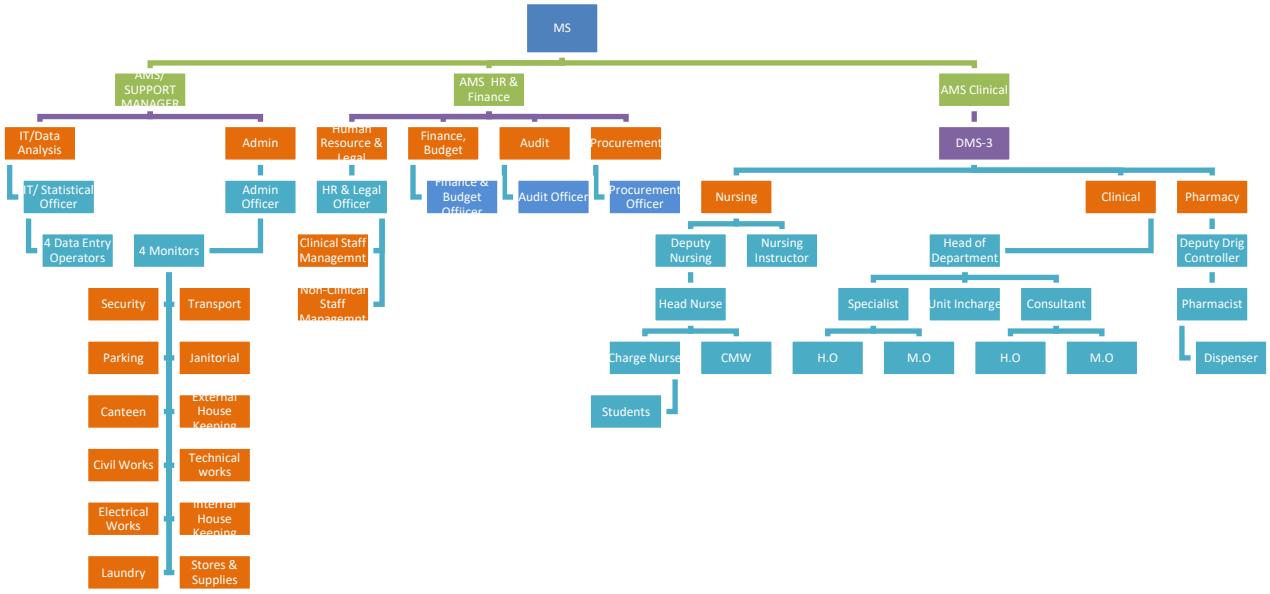
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

Name of Post	No. of Employees	Revised Pay package	
		Per Month Salary	Salary for One Year
Admin Officer	1	105,000	1,260,000
Human Resource Officer	1	105,000	1,260,000
IT/Statistical Officer	1	105,000	1,260,000
Finance & Budget Officer	1	105,000	1,260,000
Procurement Officer	1	105,000	1,260,000
Quality Assurance Officer	1	105,000	1,260,000
Logistics Officer	1	105,000	1,260,000
Data Entry Operator (DEO)	2	44,000	1,056,000
Assistant admin Officer	2	70,000	1,680,000
Total	**11**	**849,000**	**11,556,000**

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is

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

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

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

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

and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).

6. The definitive management is either started by the medical officer himself or in consultation with the consultant. (Telephone or physically). The patient is prepared for surgery if required.
7. At the evening round of the ward, the patients admitted throughout the day (Through OPD or emergency) are seen by the specialist. Appropriate changes in the management are carried out.
8. During the night, medical officer & house officer will be on duty and they will remain in contact with consultant.
9. In the morning round all the new admissions and old patients are thoroughly discussed management / treatment changed, surgery ordered or discharge ordered.
10. The discharge certificate is either prepared by the house officer or medical officer. If prepared by the house officer, it is countersigned by the medical officer

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

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

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

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

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

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

5.10.4 INVENTORY CONTROL SYSTEM

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION, 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 Chistian District Bahawalnagar is more than 0.217 million. The area of the THQ Hospital Chistian District Bahawalnagar is 613291 SFT land.

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 Chistian District Bahawalnagar is more than 0.217 million. The area of the THQ Hospital Chistian District Bahawalnagar is 613291 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

JUSTIFICATION FOR REVISION OF PC-I

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

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

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled “Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab” was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 30.326 million to Rs. 38.005 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

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

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

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

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

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

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

given below

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

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

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:LO21010551
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	0.000	0.000	0.000	0.000	0.000	0.000
2	**A12403**-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010095
A/C To be Credited: Account-I

PKR Million

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

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

Name of THQ Hospital	Chishtian					
Scope of work	**Orignal**			**1st Revised**		
	Capital	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**
Capital component						
Internal Development	25.314	0.000	25.314	20.252	0.000	20.252
External Development	5.012	0.000	5.012	17.753	0.000	17.753
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	**30.326**	**0.000**	**30.326**	**38.005**	**0.000**	**38.005**
Revenue component						
Human resource (HR) plan	0.000	17.520	17.520	0.000	37.443	37.443
Total Revenue component	**0.000**	**17.520**	**17.520**	**0.000**	**37.443**	**37.443**
Total	**30.326**	**17.520**	**47.846**	**38.005**	**37.443**	**75.448**
Grand Total	**30.326**	**17.520**	**47.846**	**38.005**	**37.443**	**75.448**

Human Resource Model of THQ Hospital

	Original				1st Revised				
NAME OF POST	**No. of Emplyees**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary**	**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				**7.590**					
									37.443

(1)

PHONE NO.062-9250334

From,

The Superintending Engineer,
Buildings Circle, Bahawalpur

To,

The Chief Executive Officer,
District Health Authority,
Bahawalnagar.

No. 12-10 - /DB, Balance Work Dated: 15/09 2022.

22/9/22

Subject: - **ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL IN CHISHTIAN DISTRICT BAHAWALNAGAR". (ADP NO.658/2022-23)**

The scheme cited as subject has been reflected in Annual Development Programme 2022-23 at serial No.658 with an allocation of Rs.1300.000(M).

Hence, the rough cost estimate has been prepared for **Rs.38.697(M)** 38.005 on the basis of MRS for 2nd Biannual 2022 is submitted herewith for onward submission for arranging administrative approval and funds from the competent authority please.

Superintending Engineer,
Buildings Circle, Bahawalpur

DA/ Estimates

No. & Date Even:

Copy is forwarded to the:-

1. The Project Manager, Civil PMU, P&SHD Lahore.
2. The Executive Engineer, Buildings Division, Bahawalnagar with reference to his office letter No.2033/DB, dated 08.09.2022.

for information and necessary action.

Superintending Engineer,
Buildings Circle, Bahawalpur.

E:\LETTER WORK\Estimate letter\SE Rough Cost Estimate\Se to CEO DEA Revamp All THQ Chishtian BWN ADP 658.doc

RECEIVED
Diary No: 5826
Date: 26-10-2022
PMU, P&SHD

Deputy PD	
Finance & Admin	
Procurement	
Outsourcing	
Infrastructure	✓
Planning	
ICT	
Operations	
Health	
Legal	
I & G	
BSRC	

Received 27/10/2022
Consultant Civil

Received 24/09/22
Planning Officer
DHA BWN

Please check the estimate
27/10/2022

PUNJAB BUILDINGS DEPARTMENT

BAHAWALNAGAR.

PROVICE	PUNJAB
DISTRICT	BAHAWALNAGAR
DIVISION	BUILDINGS DIVISION, BAHAWALNAGAR.
SUB DIVISION	BUILDINGS SUB DIVISION, CHISHTIAN.
NAME OF WORK	Balance work of ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL CHISHTIAN
ESTIMATED COST	38.005 ~~38.697 (M)~~ ~~38.697 (M)~~ Rs. ~~38.076/-~~ (M)

ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL CHISHTIAN

HISTORY

The Govt of Punjab primary and Secondary Healthcare Department has Launched a Programme " Revamping of DHQ/THQ Hospitals" throughout the province. The basic purpose of this programme to improve the infrastructure of these Hospitals to facilitate the Public.Director infrastructure PMU. P&SHD desired vide his letter No. The Governor of Punjab is plased to accord amended Adminstrative Approval of **Revamping of all THQ Hospital in Punjab"** GS No.792 of ADP 2021-22 one at THQ Hospital Chishtian.

Keeping in view the above Revised rough cost estimate ammounting 74.240 (M)/- This estimate prepared on the basis of MRS/Plinth area rates Rates 2nd- Bi-Annual 2022 for adminstrative approval and arrangement of fund

SCOPE OF WORK.

Provision of the following items exists in the estimate.

1- Revamping of OPD Block, Labor Room & OT Block, Indoor Block (Male Ward), Specialist / Consultant Block, Peads Ward, Dialysis Block.
2- Construction of Sewer Line.
3- Provision of Street Lights
4- Provision of External Water Supply System
5- Provision of External E.I Work
6- Provision of Resurfacing of Road

SPECIFICATIONS

Work will be carried out according to PWD specifications.

COST.

Estimated cost of the work comes to Rs. ~~38.697 (M)~~ ~~38.076~~ (M)
~~38.697 (M)~~
38.07

RATES.

Estimate is prepared on The basis of Plinth area Rates and MRS Rates of 2nd Bi-Annual 2022(1st July 2022 - 31 Dec 2022)

TIME LIMIT

It will take 06 Months to complete the work

CARRYING OUT OF WORK

Work will be carried out through apperoved Govt Contractor After calling Competitive Tenders as per usual practice of the Department

Sub Divisional Officer
Buildings Sub Division

ROUGH COST ESTIMATE FOR THE REVAMPING OF THQ HOSPITAL CHISHTIAN

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022

ABSTRACT OF COST

1	COST OF OPD BLOCK	Rs. 1149194/- 7015500/-
2	COST OF INDOOR BLOCK (MALE WARD)	Rs. 1396893/-
3	COST OF DIALYSIS BLOCK	Rs. 8668816/-
4	COST OF LABOUR ROOM & OT BLOCK	Rs 1874500/-
5	COST OF PEADS WARD	Rs. 387946/-
6	COST OF SPECIALIST/CONSULTANT BLOCK	Rs. 433000/-
7	COST OF EXTERNAL SEWER LINE	Rs. 1616500/-
8	COST OF EXTERNAL WATER SUPPLY	Rs. 8654367/-
9	COST OF PROVISION OF ELECTRICAL EQUIPMENT	Rs. 2578945/-
10	COST OF STREET LIGHTS	Rs. 2820000/-
11	COST OF RESURFACING OF ROAD	35830726 1791536/- 1079922/-
	Add 05% PSA	
	Add 03% Contingency	
	Total	
	Say	38627000/- 38697000/- 38627000/- 38627 (M) 38.697 (M)

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

Superintending Engineer
Buildings Circle Bahawalpur

AMENDED ROUGH COST ESTIMATE FOR THE SCHEME REVAMPING OF THQ HOSPITAL CHISHTIAN DISTRICT BAHAWALNAGAR

AMENDED ROUGH COST

I) Administrative approval.

a) Amount. Rs: 30.326 (M)

II) Amount of amended estimate Rs: 38.697(M)

Sr. No.	Description of Items	Plinth Area / Quantity		Rates Based on Plinth Area Rates for 2nd Biannual 2021							Unit	Amount (Rs.)	Plinth Area / Quantity		Rates Based on Plinth Area Rates for 2nd Biannual 2022							Unit	Amount (Rs.)	Diference		Remarks
				B.P.	Found	Strip	P.H	E.I	S.G	Total					B.P.	Found	Strip	P.H	E.I	S.G	Total			Excess	Saving	
																									Based on Plinth Area Rates for 2nd Biannual 2022
1	Construction of Canteen (Cafeteria)	1700	Sft	2,147	-		78	110	39	2,374	P.Sft	Rs. 4035800/-												-Rs. 4035800/-	As per revised scpe by the PMU
a)	Add Extra for Deep Foundation (2ft deep)	1700	Sft	98	-	-	-	-	-	98	P.Sft	Rs. 166600/-												-Rs. 166600/-	....do....
2	Construction of Ware House																								
a)	Ground floor	2488	Sft	2,147	84	-	78	110	39	2,458	P.Sft	Rs. 6115504/-												-Rs. 6115504/-	....do....
b)	First floor.	2328	Sft	1,938	-	-	78	110	39	2,165	P.Sft	Rs. 5040120/-												-Rs. 5040120/-	....do....
c)	Mumty	258	Sft	2,022	-	-	-	50	-	2,072	P.Sft	Rs. 534576/-												-Rs. 534576/-	....do....
d)	Add Extra for Frame Structure	4818	Sft	457	-	-	-	-	-	457	P.Sft	Rs. 2200912/-												-Rs. 2200912/-	....do....
e)	Add Extra for Deep Foundation (2ft deep)	2488	Sft	98	-	-	-	-	-	98	P.Sft	Rs. 243824/-												-Rs. 243824/-	....do....
	Extra Provisions & NS items																							Rs. /-	....do....
1	Providing and fixing Stain less steel pipe stair railing comprising of 1-No. 2" dia steel pipe 18 SWG Top rail, 2" dia steel pipe for vertical posts @ 2-ft o/c 2'-9" high, 3-Nos horizantal steel pipes 1/2" dia fixed on steps with 3" long steel screws and brass rawal plugs 3" long, l/c fixing carrage & polishing complete in all respects as approved by the Engineer Incharge.	90	Rft	1,800	-	(900)	-	-	-	700	P.Sft	Rs. 63000/-												-Rs. 63000/-	....do....
3	Construction of Hospital Record Room	800	Sft	2,147	-		78	110	-	2,335	P.Sft	Rs. 1401000/-												-Rs. 1401000/-	....do....
a)	Add Extra for Deep Foundation (2ft deep)	800	Sft	98	-	-	-	-	-	98	P.Sft	Rs. 58800/-												-Rs. 58800/-	....do....
4	Construction of Patient Waiting Shed	1552	Sft	2,147	-		-	110	-	2,257	P.Sft	Rs. 3502864/-												-Rs. 3502864/-	....do....
a)	Add Extra for Deep Foundation (2ft deep)	1552	Sft	98	-	-	-	-	-	98	P.Sft	Rs. 152096/-												-Rs. 152096/-	....do....
5	Provision of Access Road To Masjid	1	Job	327,456	-		-	-	-	327,456	/Each	Rs. 327456/-												-Rs. 327456/-	....do....
6	Exentition / Construction of Additional 2-Rooms of Existing Dialysis Unit	729	Sft	2,182	-		78	110	-	2,370	P.Sft	Rs. 1727730/-												-Rs. 1727730/-	....do....

6	Exentition / Construction of Additional 2-Rooms of Existing Dialysis Unit	729	Sft	2,182	-		78	110	-	2,370	P.Sft	**Rs. 1727730/-**											-Rs. 1727730/-	....do....
a)	Add Extra for Deep Foundation (2ft deep)	729	Sft	98	-	-	-	-	-	98	P Sft	**Rs. 71442/-**											-Rs. 71442/-	....do....
7	Provision for Street light pole i/c 125/watt Bulb (36000+1215.75)	40	No	37,216	-	-	-	-	-	37,216	P.No	**Rs. 1488630/-**											-Rs. 1488630/-	....do....
8	Provision of Cable 7-0.052" Twin Core i/c 1"dia Pvc Pipe.	1	Job	323,900	-	-	-	-	-	323,900	P.No	**Rs. 323900/-**											-Rs. 323900/-	....do....
9	Cost of OPD Block												1	Job	1,149,194	-				1,149,194	P.Job	**Rs. 1149194/-**	Rs. 1149194/-		....do....
10	Cost of Indoor Block (Male Ward)												1	Job	7,015,500	-				6710313 ~~7,015,500~~	P.Job	6710313 ~~Rs. 7015500/-~~	6710313 ~~Rs. 7015500/-~~		....do....
11	Cost of Dialysis Block												1	Job	1,396,893	-				1334258 ~~1,396,893~~	P.Job	1334258 ~~Rs. 1396893/-~~	1334258 Rs. ~~1396893/-~~		....do....
12	Cost of Labour Room & OT Block												1	Job	8,668,816	-				8529755 ~~8,668,816~~	P.Job	8529755 ~~Rs. 8668816/-~~	8529755 Rs. ~~8668816/-~~		....do....
13	Cost of Peads Ward												1	Job	1,874,500	-				1740088 ~~1,874,500~~	P.Job	1740088 ~~Rs. 1874500/-~~	1740088 Rs. ~~1874500/-~~		....do....
14	Cost of Specialist / Consult Block												1	Job	787,946	-				787,946	P.Job	**Rs. 787946/-**	Rs. 787946/-		....do....
15	Cost of External Sewer Line												1	Job	433,000	-				433,000	P.Job	**Rs. 433000/-**	Rs. 433000/-		....do....
16	Cost of External Water Supply												1	Job	451,600	-				451,600	P.Job	**Rs. 451600/-**	Rs. 451600/-		....do....
17	Cost of Electrical Equipment												1	Job	8,654,367	-				8,654,367	P.Job	**Rs. 8654367/-**	Rs. 8654367/-		....do....
18	Cost of Street Lights												1	Job	2,578,910	-				2,578,910	P.Job	**Rs. 2578910/-**	Rs. 2578910/-		....do....
19	Cost of Resurfacing of Road												1	Job	2,820,000	-				2,820,000	P.Job	**Rs. 2820000/-**	Rs. 2820000/-		....do....

P-2/3

ROUGH COST ESTIMATE REVAMPING OF OPD BLOCK.

1	**Removing door with chowkat**								
		2				2	438	each	876
2	**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 approved by the engineer in-charge**								
	Main Entress	2	5		9	90	Sft		
	Corridor AdmBlock	1	7.5		9	68	"		
	Emer Ent	2	5		9	90	"		
					Total	**248**	1,437.60	p.sft	355806
3	**Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio**								
		2	15	0.75	12	270	Cft		
					Total	270	Cft		
	D/D	2	5	0.75	9	68	Cft		
					Total	68	Cft		
						203	30526.30	%cft	61816
4	**Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick**								
		2	2	15	12	720	sft		
						720	3,241.60	%.sft	23340
5	**Dismantling glazed encausit tile, etc**								
	Podium	1	21		31.25	656	Sft		
	Dadoo/dkiriting	2	21		5	210	Sft		
		2	31.25		5	313	Sft		
					Total	**1179**	2,335.85	p.sft	27534
6	**Dismantling cement concrete plain 1:2:4**								
		1	21	31.25	0.125	82	Cft		
						82	9142.85	%cft	7500
7	**Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth**								
	Same as above item					**82**	8891.50	%cft	7294
8	**Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).**								
	Same as above item.					**82**			
	Ramp	1	6	8	0.125	6			
					Total	**88**	38126.10	%cft	33563
9	**ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTER brandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm**								
	Podium	1	21		25.25	530	Sft		
					Total	**530**	340.5	p.sft	180550
10	**ProvidingandlayingsuperbqualityPorcelainglazedtilesofMasterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.**								
	Podium	2	21		6	252	Sft		
		2	25.25		6	303	Sft		

	Emer Ent	2	15		6	180	Sft		
					Total	735		340.5 p.sft	250268
12	**Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,ofmatchingsealercompleteinallrespects asapproved and directed by the Engineer Incharge.**								
	(i)China Verona								
	Ent Step	1	21		7	147	Sft		
		1	9		3.5	32	"		
					Total	179		412.3 p.sft	73596
		8				8		7329.95 each	58640
13	**R.C.C 1:2:4 Complete**								
	Lintle	2	6.5	0.75	0.75	7	Cft		
					Total	7		556.50 P.Cft	4069
14	**Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making jointsand charges for binding of steeremoval of rust from bars):-**								
		7	6.75	0.454		22	KG		
					Total	22		31,403.05 %Kg	7037
15	**P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge**								
	04 Gange	2				2		802.50 each	1605
16	**Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternasteel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.**								
		2	x	8		16		2,361.45 p.rft	37783
17	**ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTERbrandofnishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (Non-Skid Chequred Tiles) 300mmx300mm**								
	Ramp	1	6		8	48	Sft		
					Total	48		211.55 p.sft	10154
18	**Distempring 2 coat old surface After scraping.**								
	Podium	1	21	25.25		530	Sft		
		2	21	5		210	"		
		2	25.25	5		253	"		
		2	15	5		150	"		
						1143		1467.05 %sft	16765
								Total	**1158194.4**
	D/d Cost of old material			Detail Attached					**9000**
								N.Total	**1149194.4**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

Executive Engineer
Buildings Division
Bahawalnagar

COST OF OLD MATERIAL OPD BLOCK.

1 COST OF OLD ALUMINIUM DOORS.

2 x 5 x 9 = 90 Sft

Total 90

@ 100 P.sft Rs. 9000/-

Total Rs. 9000/-

Executive Engineer
Division
Bahawalnagar

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

ROUGH COST ESTIMATE REVAMPING OF INDOOR BLOCK (MALE WARD)

2	**Removing windows and sky lights with chowkat**							
		9			9	341.5 each		3074
3	**Removing door with chowkat**							
		8			8	438 each		3504
4	**Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixedor Rs.215.20 per Sq-metre ifand partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade.etc., as approved by the Engineer in-charge.**							
		9	8	8	576	Sft		
				Total	576	1,348.40 p.sft		776678
6	**Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) without Chowkat**							
	Ward F/Light D2	5	3	2	30	Sft		
	D3	3	3.5	2	21	Sft		
	D4	4	4	2	32	Sft		
				Total	83	1527.5 p.sft		126783
7	F	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge						
	Incharge.							
		8	2.5	7	140	Sft	@1913/- 700 p.sft 1100/-	=67820/- 98000 154000/-
				Total	140			
11	**Dismantling glazed encausit tile, etc**							
	Main Corridor	1	124	8	992	Sft		
		1	51.25	8	410	Sft		
	Corridor	1	91.5	8	732	Sft		
	Ver	1	91.5	6	549	Sft		
		3	11.25	16	540	Sft		
		2	9.25	16	296	Sft		
		4	20.25	16	1296	Sft		
		2	15.25	16	488	Sft		
		2	7.25	7.625	111	Sft		
	Skirting Main Corridor	2	124	5	1240	Sft		
		2	51.25	5	513	Sft		
	Corridor	2	91.5	5	915	Sft		
	Ver	2	91.5	5	915	Sft		
		6	11.25	5	338	Sft		
		4	9.25	5	185	Sft		
		8	20.25	5	810	Sft		
		4	15.25	5	305	Sft		
		4	7.25	5	145	Sft		

(11

6	16		5	480	Sft		
4	16		5	320	Sft		
8	16		5	640	Sft		
4	16		5	320	Sft		
4	7.625		5	153	Sft		169980/-
			Total	~~12691~~ 7277		2,335.85 p.sft	~~296444~~

12 Dismantling cement concrete plain 1:2:4

1	124	8	0.125	124	Cft		
1	51.25	8	0.125	51	"		
1	91.5	8	0.125	92	"		
1	91.5	6	0.125	69	"		
3	11.25	16	0.125	68	"		
2	9.25	16	0.125	37	"		
4	20.25	16	0.125	162	"		
2	15.25	16	0.125	61	"		
2	7.25	7.625	0.125	14	"		
				677		9142.85 %cft	61869

13 Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth

Same as above item

677 ~~8891.50 %cft~~ ~~60168~~

14 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).

Same as above item. 677 38126.10 %cft 257998

15 ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTER brandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. ***(ii) 600mmx 600 mm***

Main Corridor	1	124	8	992	Sft		
	1	51.25	8	410	Sft		
Corridor Ver	1	91.5	8	732	Sft		
	1	91.5	6	549	Sft		
	3	11.25	16	540	Sft		
	2	9.25	16	296	Sft		
	4	20.25	16	1296	Sft		
	2	15.25	16	488	Sft		
	2	7.25	7.625	111	Sft		
			Total	5414		340.5 p.sft	1843318

16 ProvidingandlayingsuperbqualityPorcelainglazedtilesofMasterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.

Skirting Main Corridor	2	124	6	1488	Sft
	2	51.25	6	615	Sft
Corridor Ver	2	91.5	6	1098	Sft
	2	91.5	6	1098	Sft
	2	11.25	0.5	11	Sft
	4	11.25	6	270	Sft
	4	9.25	0.5	19	Sft
	8	20.25	6	972	Sft
	4	15.25	7	427	Sft

	4	7.25	6	174	Sft		
	6	16	6	576	Sft		
	4	16	0.5	32	Sft		
	6	16	6	576	Sft		
	2	16	7	224	Sft		
	4	16	6	384	Sft		
	4	7.625	6	183	Sft		
	8	3.5	7	196	Sft		
			Total	**8343**		340.5 p.sft	2840706

16 ***Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatching sealercompleteinallrespectsasapproved and directed by the Engineer Incharge. (i)China Verona***

Vainty	3	4	2	24	Sft		
	1	8	2	16	"		
			Total	**24**		412.3 p.sft	9895

17 ***P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed***

2	**2**	2501.4 each	5002.8

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

4	**4**	19987.9 each	79951.6

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

2	**2**	2,649.10 each	5298.2

20 ***P/F glazed earthen ware wash hand basin 22"x16" with padestal (v) Under Counter Vanity Basin***

5	**5**	7329.95 each	36650

21 ***R.C.C 1:2:4 Complete***

	5	4	2.5	0.25	13	Cft	
				Total	**13**	556.50 P.Cft	6956

22 ***Fabrication of mild steel reinforcement for cement concrete, The rate includes wastage, overlaps including cutting, bending, layIng in position, making jointsand fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-***

	13	6.75	0.454		38	KG	
				Total	**38**	31,403.05 %Kg	12029

23 ***P/F looking glass 22"x16" with glass shelf***

5	**5**	638.15 each	3190.75

24 ***P/F C.P bib cock 1/2" dia***

2	**2**	775.00 each	1550

25 ***P/F C.P T stop cock 1/2" dia***

16	**16**	955.00 each	15280

26 ***P/F C.P swan neck cock 1/2" dia single way***

8	**8**	511.00 each	4088

27	**Muslim shower**							
		4			**4**	2,212.00	each	8848
28	**Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.**							
		3			**3**	4453.00	each	13359
29	**Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe**							
	25mm dia				**300**	57.95	p.rft	17385
	32mm dia				**180**	93.65	p.rft	16857
30	**P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)**							
					270	260.60	p.rft	70362
31	**Painting to door and windows 3 coat new surface.**							
		1	2	83	166	Sft		
				Total	**166**	2714.8	%sft	4507
32	**Painting to door and windows 2 coat old surface.**							
		6	3.5	9	189	Sft		
		4	3	9	108	"		
		8	4	9	288	"		
				Total	**585**	1667.55	%sft	9755
33	**P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge**							
	One way Gange Switch 03 Gange	30			**30**	742.50	each	22275
	04 Gange	18			**18**	802.50	each	14445
	06 Gange	10			**10**	1162.50	each	11625
	Fan Dimmer	30			**30**	598.50	each	17955
	Three Pin Power Plug 15-32 Amp	8			**8**	754.50	each	6036
34	**Distempring 2 coat old surface After scraping.**							
		1	124	8	992	Sft		
		1	51.25	8	410	"		
		1	91.5	8	732	"		
		1	91.5	6	549	"		
		3	11.25	16	540	"		
		2	9.25	16	296	"		
		4	20.25	16	1296	"		
		2	15.25	16	488	"		
		2	7.25	7.625	111	"		
		2	124	5	1240	"		
		2	51.25	5	512.5	"		
		2	91.5	5	915	"		
		2	91.5	5	915	"		
		2	11.25	10.5	236.25	"		
		4	11.25	5	225	"		
		4	9.25	10.5	388.5	"		
		8	20.25	5	810	"		
		4	15.25	5	305	"		
		4	7.25	5	145	"		
		6	16	5	480	"		
		4	16	10.5	672	"		

(14)

6	16	5	480	"
2	16	5	160	"
4	16	5	320	"
4	7.625	5	153	"
8	3.5	5	140	"
			13510	1467.05 %sft

198203

6824713 ~~4129866~~

Total ~~6960045.8~~

114400

(-) ~~107400~~

~~7015466~~

N.Total ~~6852645.8~~

~~7015500/-~~

6710313/-

D/d Cost of old material

Detail Attached

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

Executive Engineer
Building Division
Bahawalnagar

COST OF OLD MATERIAL INDOOR BLOCK (MALE WARD)

1 COST OF OLD WINDOW

9	x	8	x	8	=	576	Sft	
					Total	576		
					@	150	P.sft	Rs. 86400/-

2 COST OF OLD DOORS

8	x	2.5	x	7	=	140	Sft	
					Total	140		28000/-
					@	~~150~~ 200/-	P.sft	Rs. ~~21000/-~~

Total Rs. ~~107400~~/- 114400/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

ROUGH COST ESTIMATE REVAMPING OF DIALYSIS BLOCK

1	**Removing Door with chowkat**						
		7			7	438 each	3066
2	**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**						
		2	4	8.5	68 Sft		
				Total	68	1,437.60 p.sft	97757
2-A	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge						
		3	2.5	7	53 Sft	~~1413/-~~ 1100/-	~~101389/-~~ 58300/-
				Total	53	~~700.00~~ p.sft	~~36750~~
3	**Dismantling glazed encausit tile, etc**						
	Floor Wards	2	18	14	504 Sft		
	Toilet	2	6	5.25	63 Sft		
				Total	567	2,335.85 p.sft	~~13244~~
4	**Dismantling cement concrete plain 1:2:4**						
		2	18	14	0.125 63 Cft		
		2	6	5.25	0.125 8 "		
					71	9142.85 %cft	6480
5	**Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth**						
	Same as above item				71	~~8891.50~~ %cft	~~6302~~
6	**Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).**						
	Same as above item. 10				71	38126.10 %cft	27022
7	**ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTERbrandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm**						
		2	18	14	504 Sft		
		2	6	5.25	63 Sft		
				Total	567	340.5 p.sft	193064
8	**ProvidingandlayingsuperbqualityPorcelainglazedtilesofMasterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.600mmx 600 mm**						
		4	14	6	336 Sft		
		4	18	6	432 Sft		

	4	6	7	168	Sft			
	4	5.25	7	147	Sft			
Corridor	2	20	6	240	Sft			
			Total	**1323**		340.5	p.sft	450482

9 ***Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatching sealercompleteinallrespectsasapproved and directed by the Engineer Incharge.***

(i)China Verona

Vainty	2	4	2	16	Sft			
			Total	**16**		412.3	p.sft	6597

10 ***ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTERbrandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (Non-Skid Chequred Tiles) 300mmx300mm***

Ramp	1	4	6	24	Sft			
			Total	**24**		211.55	p.sft	5077

11 ***Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects without Wire gauze.***

W1	4	6	5.5	132	Sft			
W2	5	4	5.5	110	"			
W3	5	4	3	60	"			
			Total	**302**		492.00	p.sft	148584

12 ***Providing and fitting all types of glazed aluminium windows of windows of anodised/ powder coated partly fixedor Rs.215.20 per Sq-metre ifand partly sliding using delux sections of approved manufacturer section thickness is 1.2 mm. having frame size of 100 x 30 mm (4"x1-1/4") and (2) Reduce rate by Rs.20.00 per Sft leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm or Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade.etc., as approved by the Engineer in-charge.***

N.S	1	8	10	80	Sft			
			Total	**80**		1,348.40	p.sft	107872

13 ***Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.***

	2	x	8	**16**		2,361.45	p.rft	37783

14	Providingandfixing2"wideMS/GIChowkatsingel/doublerebatemadeof16S WGMSsheetpressed/welded/supportedwithM.S.flat1-1/4"x1/8"i/c6"longM.S.Flat1"x1/8"holdfasts(6-Nos)welded/screwed,punchingoflockholecoveredwithMSBox,coatingwit hantirustpaintincludingfillingwithcementsandmortar(1:8)andembedding holdfastincementconcrete(1:2:4),completeinallrespectasapproved andi i/c of 1-1/2"thicksolid flush door								
	(ii) 10.50 " wide	2	3.5		8.5	60	Sft		
					Total	60		1123.85 p.sft	66869
15	Painting to door and windows 3 coat new surface.								
		1	2		60	119	Sft		
					Total	119		2714.8 %sft	3231
16	Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.								
		1	16.625		10	166	Sft		
		1	18		10	180	Sft		
		2	12		12	288	Sft		
		1	20		8	160	Sft		
					Total	794		2,811.55 %sft	22331
17	R.C.C 1:2:4 Complete	2	4	2.5	0.25	5	Cft		
					Total	5		556.50 P.Cft	2783
18	Fabrication of mild steel reinforcement for cement concrete, The rate includes wastage, overlaps including cutting, bending, laying in position, making jointsand fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-								
		5	6.75	0.454		15	KG		
					Total	15		31,403.05 %Kg	4812
19	P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed	1				1		2501.4 each	2501.4
20	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP /rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	1				1		19987.9 each	19987.9
21	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	2				2		2,649.10 each	5298.2
22	Under Counter Vanity Basin	2				2		7329.95 each	14660
23	P/F looking glass 22"x16" with glass shelf	2				2		638.15 each	1276.3
24	P/F C.P bib cock 1/2" dia	2				2		775.00 each	1550
25	P/F C.P T stop cock 1/2" dia	4				4		955.00 each	3820
26	P/F C.P swan neck cock 1/2" dia single way	2				2		511.00 each	1022

27	***Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe***							
	25mm dia				**80**	*57.95*	*p.rft*	*4636*
	32mm dia				**45**	*93.65*	*p.rft*	*4214*
28	***P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)***							
					35	*260.60*	*p.rft*	*9121*
29	***Distempring 2 coat old surface After scraping.***							
	Roof	2	12	12	*288*	*Sft*		
		2	18	14	*504*	"		
		1	18	10	*180*	"		
	wall	4	12	6	*288*	"		
		6	18	6	*648*	"		
		4	14	6	*336*	"		
		2	10	6	*120*	"		
					2364	*1467.05*	*%sft*	*34681*
30	***P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge***							
	One way Garge Switch **03 Gange**	8			**8**	*742.50*	*each*	*5940*
	04 Gange	7			**7**	*802.50*	*each*	*5618*
	06 Gange	2			**2**	*1162.50*	*each*	*2325*
	Fan Dimmer	10			**10**	*598.50*	*each*	*5985*
	Three Pin Power Plug 15-32 Amp	3			**3**	*754.50*	*each*	*2264*
31	***Removing cement or Lime Plaster.***							
	ward	4	18	6	*432*	"		
		4	14	6	*336*	"		
					768	*423.3*	*%sft*	*3251*
					1370258	*Total*	~~1432893-1368254~~	
	D/d Cost of old material				*Detail Attached*		(-)	***36000***
						N.Total		~~1332254~~
					1334258/-			~~1396893~~/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

COST OF OLD MATERIAL DIALYSIS BLOCK

1 COST OF OLD DOORS.

2		4	x	8.5	=	68	Sft
3	x	2.5	x	7	=	53	"
2	x	3.5	x	8.5	=	60	"
					Total	180	
					@	200 P.sft	Rs. 36000/-

Total Rs. 36000/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

Executive Engineer
...sion

8 ***Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (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***

Lab Room	2	3.5		9	63	Sft		
	3	3		9	81	"		
	1	4		9	36	"		
Corridor	1	8		9	72	"		
OT Block DW3	1	8		9	72	"		
D2	3	3		9	81	"		
D3	2	3.5		9	63	"		
D4	3	4		9	108	"		
				Total	**576**		1,437.60 p.sft	828058

9 ***Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio***

	1	8	0.75	6	36	Cft		
					36		30526.30 %cft	10989

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

	1	2	8	6	96	sft		
					96		3,241.60 %.sft	3112

11 ***Dismantling glazed encausit tile, etc***

OT Block	1	10		20	200	Sft		
	1	20		20	400	"		
	2	10		9.625	193	"		
	1	14		20	280	"		
	4	13.25		16	848	"		
	1	8		16	128	"		
	1	56.25		8	450	"		
Lab Room	1	16.5		12	198	"		
	1	13		12	156	"		
	1	16.5		20	330	"		
	1	13		20	260	"		
	4	5		4	80	"		
	2	5		7.25	73	"		
	2	5		3.5	35	"		
	1	5		5.75	29	"		
	1	4		5.75	23	"		
	1	44		8	352	"		
Dadoo/dkiriting	4	5		5	100	"		
Lab Room	2	5		5	50	"		
	2	5		5	50	"		
	1	5		5	25	"		
	1	4		5	20	"		
	1	44		5	220	"		
OT Block	1	10		5	50	"		
	1	20		5	100	"		
	2	10		5	100	"		
	1	14		5	70	"		
	1	56.25		5	281	"		24900
				Total	~~5100~~ 1066		2,335.85 p.sft	~~119128~~

12 ***Dismantling cement concrete plain 1:2:4***

OT Block	1	10	20	0.125	25	Cft		
	1	20	20	0.125	50	"		

	2	20		6	240	"		
	8	11.25		0.5	45	"		
	8	16		0.5	64	"		
	2	8		7	112	"		
	2	16		7	224	"		
	2	6		7	84	"		
	2	4		7	56	"		
	2	57.75		6	693	"		
Lab Room	2	16.5		0.5	17	"		
	2	12		0.5	12	"		
	2	13		0.5	13	"		
	2	12		0.5	12	"		
	2	13		6	156	"		
	2	20		6	240	"		
	2	16.5		6	198	"		
	2	20		6	240	"		
	8	5		7	280	"		
	8	4		7	224	"		
	4	5		7	140	"		
	4	3.5		7	98	"		
	2	44		6	528	"		
				Total	**4393**		340.5 p.sft	1495731

16 ***Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatching sealercompleteinallrespectsasapproved and directed by the Engineer Incharge.*** ***(i)China Verona***

sill	2	6		1.125	14	Sft		
	4	4		1.125	18	"		
	1	6		1.125	7	"		
OT Block	6	6		1.125	41	"		
	1	4		1.125	5	"		
	1	8		1.125	9	"		
Vainty	8	4		2	64	"		
				Total	**156**		412.3 p.sft	64422

17 ***P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed***

	2				**2**		2501.4 each	5002.8

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

	6				**6**		19987.9 each	119927.4

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

	2				**2**		2,649.10 each	5298.2

20 ***P/F glazed earthen ware wash hand basin 22"x16" with padestal (v) Under Counter Vanity Basin***

	8				**8**		7329.95 each	58640

21 ***R.C.C 1:2:4 Complete***

	8	4	2.5	0.25	20	Cft		
				Total	**20**		556.50 P.Cft	11130

	2	10	9.625	0.125	24	"		
	1	14	20	0.125	35	"		
	4	13.25	16	0.125	106	"		
	1	8	16	0.125	16	"		
	1	56.25	8	0.125	56	"		
Lab Room	1	16.5	12	0.125	25	"		
	1	13	12	0.125	20	"		
	1	16.5	20	0.125	41	"		
	1	13	20	0.125	33	"		
	4	5	4	0.125	10	"		
	2	5	7.25	0.125	9	"		
	2	5	3.5	0.125	4	"		
	1	5	5.75	0.125	4	"		
	1	4	5.75	0.125	3	"		
	1	44	8	0.125	44	"		
					504		9142.85 %cft	46100

13 ***Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth***

Same as above item					504		8891.50 %cft	44833

14 ***Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).***

Same as above item.					504		38126.10 %cft	192239

15 ***ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTER brandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejoints/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm***

OT Block	1	10	20	200	Sft			
	1	20	20	400	"			
	2	10	9.625	193	"			
	1	14	20	280	"			
	4	13.25	16	848	"			
	1	8	16	128	"			
	1	56.25	8	450	"			
Lab Room	1	16.5	12	198	"			
	1	13	12	156	"			
	1	16.5	20	330	"			
	1	13	20	260	"			
	4	5	4	80	"			
	2	5	7.25	73	"			
	2	5	3.5	35	"			
	1	5	5.75	29	"			
	1	4	5.75	23	"			
	1	44	8	352	"			
			Total	4034			340.5 p.sft	1373492

16 ***ProvidingandlayingsuperbqualityPorcelainglazedtilesofMasterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.***

OT Block	6	10	0.5	30	Sft			
	2	20	0.5	20	"			
	4	20	6	480	"			
	4	9.625	0.5	19	"			
	2	14	6	168	"			

	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer
	(a) Cementitious Urethane
	(b) Epoxy
	(c) Polyurethane
	(d) Urethane

	Supply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved
	(b) 2.5mm thick

g	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the
	(b) Bevelled edges & flange 21.5 mm
	(iii)600 mmX 600 mm

22 *Fabrication of mild steel reinforcement for cement concrete, The rate includes wastage, overlaps including cutting, bending, laying in position, making jointsand fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-*

	20	6.75	0.454		61 KG		
				Total	**61**	31,403.05 %Kg	19247
23	*P/F looking glass 22"x16" with glass shelf*						
	8				**8**	638.15 each	5105.2
24	*P/F C.P bib cock 1/2" dia*						
	2				**2**	775.00 each	1550
25	*P/F C.P T stop cock 1/2" dia*						
	16				**16**	955.00 each	15280
26	*P/F C.P swan neck cock 1/2" dia single way*						
	8				**8**	511.00 each	4088
27	*Muslim shower*						
	6				**6**	2,212.00 each	13272
28	*Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.*						
	7				**7**	4453.00 each	31171
29	*Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe*						
	25mm dia				**200**	57.95 p.rft	11590
	32mm dia				**150**	93.65 p.rft	14047.5
30	*P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)*						
					170	260.60 p.rft	44302
31	*Painting to door and windows 3 coat new surface.*						
	1	2		114	228 Sft		
				Total	**228**	2714.8 %sft	6190
32	~~*Anti-Microbial Floor .. Opration thether*~~						
	1	21		21	441 Sft		
				Total	**441**	1450 p.sft	639450
(ii)	~~*Anti-Microbial WALL PANELS (SPM):.*~~						
	4	20		11.5	920 Sft		
				Total	**920**	2220 p.sft	2042400
(iii)	~~*Non-porous Ceiling System Atminum Ceiling Non pours size 600mm x 600mm & 0.7 mm thick.*~~						
	1	20		20	400 Sft		
				Total	**400**	900 p.sft	360000
33	*P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge*						
	One way Gange Switch	25			**25**	742.50 each	18563
	03 Gange						
	04 Gange	12			**12**	802.50 each	9630
	06 Gange	10			**10**	1162.50 each	11625

Fan Dimmer	27				27	598.50 each 16160
Three Pin Power Plug 15-32 Amp	12				12	754.50 each 9054

34 Distempring 2 coat old surface After scraping.

1	10	20	200	Sft
1	20	20	400	"
2	10	9.625	192.5	"
1	14	20	280	"
4	13.25	16	848	"
1	8	16	128	"
1	56.25	8	450	"
1	16.5	12	198	"
1	13	12	156	"
1	16.5	20	330	"
1	13	20	260	"
4	5	4	80	"
2	5	7.25	72.5	"
2	5	3.5	35	"
1	5	5.75	29	"
1	4	5.75	23	"
1	44	8	352	"
2	10	10.5	210	"
2	20	10.5	420	"
2	10	5	100	"
4	14	5	280	"
2	13.25	10.5	278.25	"
2	8	5	80	"
2	56.25	5	562.5	"
2	16.5	5	165	"
4	13	5	260	"
2	16.5	10.5	347	"
2	13	5	130	"
2	5	5	50	"
2	44	5	440	"
4	20	10.5	840	"
2	20	5	200	"
2	9.625	10.5	202	"
2	20	5	200	"
2	16	5	160	"
2	16	5	160	"
2	8	5	80	"
2	12	5	120	"
2	12	10.5	252	"
2	20	5	200	"
2	20	10.5	420	"
10190			1467.05 %sft	149494

8793655/ ~~Total 8932716 8702896.1~~

D/d Cost of old material — Detail Attached (-) 263900

N.Total 8529755/- ~~8498996.1~~ ~~8668816/-~~

Executive Engineer

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

COST OF OLD MATERIAL LABOUR ROOM & OT BLOCK.

1 COST OF OLD WINDOW

2	x	6	x	6	=	72	Sft
4	x	4	x	2	=	32	"
1	x	6	x	2	=	12	"
6	x	6	x	6	=	216	"
1	x	4	x	6	=	24	"
1	x	8	x	2	=	16	"
					Total	**372**	
					@ 200	P.sft	Rs. 74400/-

2 COST OF OLD DOORS

1	x	5	x	9	=	45	Sft
1	x	3	x	9	=	27	"
2	x	3	x	7	=	42	"
2	x	2.5	x	7	=	35	"
6	x	2.5	x	7	=	105	"
2	x	3.5	x	9	=	63	"
3	x	3	x	9	=	81	"
1	x	4	x	9	=	36	"
1	x	8	x	9	=	72	"
3	x	3	x	9	=	81	"
2	x	3.5	x	9	=	63	"
3	x	4	x	9	=	108	"
					Total	**758**	
					@ 250	P.sft	Rs. 189500/-

Total Rs. 263900/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

Executive Engineer
Buildings Division
Bahawalnagar

ROUGH COST ESTIMATE REVAMPING OF PEADS WARD.

1	**Removing windows and sky lights with chowkat**							
		9			9		341.5 each	3074
2	**Removing door with chowkat**							
		10			10		438 each	4380
3	**Providing and fitting all types of glazed aluminium windows of hickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade.etc., as approved by the Engineer in-charge.**							
	Corridor	8	6	6	288	Sft		
		1	8	6	48	"		
				Total	336		1,348.40 p.sft	453062
4	**Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.**							
	1/2 above item windows	168			168	Sft		
				Total	168		493.05 p.sft	82832
5	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge							
	Incharge.							
	Wash room	6	2.5	7	105	Sft		
		2	3	7	42	"		
				Total	147		@ ~~1913~~/- ~~100 p.sft~~ 1100/-	~~2,81211/-~~ ~~102900~~ 161700/-
6	**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**							
		2	3	8.5	51	Sft		
				Total	51		1,437.60 p.sft	73318
7	**Dismantling glazed encausit tile, etc**							
		~~2~~	~~12~~	~~18~~	~~432~~	~~Sft~~		
	Dadoo/dkiriting	2	12	5	120	"		
		2	18	5	180	"		7008 —
				Total	~~732~~ 300		2,335.85 p.sft	~~17098~~
8	**Dismantling cement concrete plain 1:2:4**							
		2	12	18	0.125	54	Cft	
						54	9142.85 %cft	4937
9	**Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth**							
	Same as above item					54	8891.50 %cft	~~4801~~

10 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).

Same as above item.					54	38126.10	%cft	20588

11 Providingandlayingsuperbquality Porcelainglazedtilesflooringof MASTER brandofspecifiedsizeinapproveddesign,ColorandShadewithadhesive/bondover3/4"thick(1:3)cementplasteri/cthecostofsealerforfinishingthejointsi/ccuttinggrindingcompleteinallrespect as approved and directed by the Engineer Incharge. (ii) 600mmx 600 mm

	2	12		18	432	Sft		
				Total	432	340.5	p.sft	147096

12 Providingandlayingsuperbquality Porcelainglazedtiles of Masterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.

	8	18		7	1008	Sft		
	4	12		7	336	"		
	12	5.625		7	473	"		
				Total	1817	340.5	p.sft	618518

13 Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatching sealercompleteinallrespectsasapproved and directed by the Engineer Incharge. (i)China Verona

Vainty	2	8		2	32	"		
				Total	32	412.3	p.sft	13194

14 P/F glazed earthen ware water clouset squarter type (orisa pattern) combind with foot rest wtih Ptrap 4" dia glazed

	2				2	2501.4	each	5002.8

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

	4				4	19987.9	each	79951.6

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

	2				2	2,649.10	each	5298.2

17 P/F glazed earthen ware wash hand basin 22"x16" with padestal (v) Under Counter Vanity Basin

	4				4	7329.95	each	29320

18 R.C.C 1:2:4 Complete

	2	8	2.5	0.25	10	Cft		
				Total	10	556.50	P.Cft	5565

19 Fabrication of mild steel reinforcement for cement concrete, charges for binding of steel reinforcement (also includes removal of rust from bars):-

	10	6.75	0.454		31	KG		
				Total	31	31,403.05	%Kg	9623

20 P/F looking glass 22"x16" with glass shelf

	4		4	638.15 each	2552.6
21	**P/F C.P bib cock 1/2" dia**				
	2		2	775.00 each	1550
22	**P/F C.P T stop cock 1/2" dia**				
	16		16	955.00 each	15280
23	**P/F C.P swan neck cock 1/2" dia single way**				
	8		8	511.00 each	4088
24	**Muslim shower**				
	4		4	2,212.00 each	8848
25	**Providing and fixing at site of work Exhaust fan 18" sweep (double action & Steel body) made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.**				
	2		2	4453.00 each	8906
26	**Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe**				
	25mm dia		150	57.95 p.rft	8692.5
	32mm dia		100	93.65 p.rft	9365
27	**P/F PVC pipe 4" dia nakasi waste pipe complete in all respects. (ii)Type (SDR 32.5/SN-8)**				
			170	260.60 p.rft	44302
28	**P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge**				
	One way Gange Switch 03 Gange	3	3	742.50 each	2228
	04 Gange	5	5	802.50 each	4013
	Fan Dimmer	2	2	598.50 each	1197
	Three Pin Power Plug 15-32 Amp	2	2	754.50 each	1509
29	**Distempring 2 coat old surface After scraping.**				
	2	12 18	432	Sft	
	4	12 5	240	"	
	4	18 5	360	"	
			1032	1467.05 %sft	15140
			185238 ~~Total~~	~~198540~~	~~1008229.7~~
	D/d Cost of old material		Detail Attached		(-) 112050
				N.Total	~~1696179.7~~
			1740088/-		~~1874490/-~~

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

Executive Engineer
Buildings Division
Bahawalnagar

COST OF OLD MATERIAL PEADS WARD

1 COST OF OLD WINDOW

9	x	6	x	6	=	324	Sft	
					Total	324		
					@	200	P.sft	Rs. 64800/-

2 COST OF OLD DOORS

6	x	2.5	x	7	=	105	Sft	
4	x	3	x	7	=	84	"	
					Total	189		
					@	250	P.sft	Rs. 47250/-

Total Rs. 112050/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

ROUGH COST ESTIMATE REVAMPING OF SPECIALIST/CONSULTANT BLOCK.

1 Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge

Main Entress	1	10		9	90	Sft		
				Total	90		1,437.60 p.sft	129384

2 Providing and fitting all types of glazed aluminium windows of Rs.215.20 per Sq-metre if thickness including 5 mm thick imported tinted glass with sections are of dull aluminium rubber gasket using approved standard latches, hardware shade.etc., as approved by the Engineer in-charge.

	2	7		6	84	Sft	
				Total	84		1,348.40 p.sft	113266

3 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

	3	15.75	0.75	11	390	Cft		
				Total	390	Cft		
D/D	1	10	0.75	9	68	Cft		
	2	7	0.75	6	63	"		
				Total	131	Cft		
					259		30526.30 %cft	79159

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

	3	2	15.75	12	1134	sft		
					1134		3,241.60 %.sft	36760

5 Dismantling glazed encausit tile, etc

Step	3	18.5		4.5	250	Sft		
				Total	250		2,335.85 p.sft	5834

6 Dismantling cement concrete plain 1:2:4

	3	18.5	3	0.125	21	Cft		
					21		9142.85 %cft	1903

7 Dry rammed brick or stone ballast 1 1/2" to 2"(40mm to 50mm) guage, in foundation and plinth

Same as above item					21		8891.50 %cft	1851

8 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).

Same as above item.					21	Cft		
Ramp	1	5	8	0.125	5			
				Total	26		38126.10 %cft	9841

9 ProvidingandlayingsuperbqualityPorcelainglazedtilesofMasterbrand,skirting/dadoofspecifiedsize,ColorandShadewithadhesive/bondover1/2"thick(1:2)cementplasteri/cthecostofandsealerforfinishingthejoints,cuttinggrindingcompleteinallrespectasapproved and directed by the Engineer Incharge.

Entress	2	23		6	276	Sft		
	1	47.25		6	284	Sft		
				Total	560		340.5 p.sft	190510

10	***Providingandlaying3/4"thickfullwidthPrepolishedMarbleslabforVanities/Shelves/Treads/WindowCills,havingUniformtexture(Spotless)withadhesivebondover3/4"thick(1:2)cementsandmortori/cthecostofmatching sealercompleteinallrespectsasapproved and directed by the Engineer Incharge. (i)China Verona***							
	Ent Step	*3*	*18.5*		*4.5*	*250* Sft		
					Total	***250***	*412.3 p.sft*	*102972*
11	***R.C.C 1:2:4 Complete***							
	Lintle	*1*	*12*	*0.75*	*1*	*9* Cft		
		2	*8.5*	*0.75*	*0.75*	*10* "		
	Batten	*4*	*4*	*0.375*	*0.25*	*2* "		
					Total	***20***	*556.50 P.Cft*	*11165*
12	***Fabrication of mild steel reinforcement for cement concrete, fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-***							
		20	*6.75*	*0.454*		*61* KG		
					Total	***61***	*31,403.05 %Kg*	*19307*
13	***P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge***							
	04 Gange	*3*				*3*	*802.50 each*	*2408*
14	***Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.***							
		2	*x*	*6*		***12***	*2,361.45 p.rft*	*28337*
15	***ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMASTERbrandofspecifiedsizeinapproveddesign,ColorandShadewithads approved and directed by the Engineer Incharge. (Non-Skid Chequred Tiles) 300mmx300mm***							
	Ramp	*1*	*5*		*8*	*40* Sft		
					Total	***40***	*211.55 p.sft*	*8462*
16	***Distempring 2 coat old surface After scraping.***							
		1	*47.25*	*29.5*		*1394* Sft		
		2	*23*	*6*		*276* "		
		1	*47.25*	*6*		*284* "		
		1	*47.25*	*12*		*567* "		
		1	*12*	*21.875*		*263* "		
		2	*12*	*6*		*144* "		
		2	*21.875*	*6*		*263* "		
						3189	*1467.05 %sft*	*46790*
							Total	***787946***
							N.Total	***787946***

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

~~M&RD~~ SEWERAGE SYSTEM

MRS. 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022)

1	Earthwork excavation in open cutting for sewers and manholes and shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-									
		1	x	1	x	350	x	2 1/2 x	3 1/2	= 3063 Cft
								Total		= **3063** Cft
								@	11740.40	**%oCft** **35955**
3	Providing and laying R. C. C. pipe, moulded with cement Chapter - 8 concrete 1: 1½: 3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B. S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct, alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.									
	(1) 12" dia	1	x	350					= 350	Rft
								Total	= **350**	Rft
								@	528.30	**P.Rft** **184905**
4	**Cost of main Hole**									
	Detailed attached	1	x	7					= 7	No
								Total	= **7**	No
								@	30300.0	**P.JOB** **212100**
									G.Total	**432960**
									Say	**433000**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian.

DETAIL OF MAIN HOLE

1 Excavation in open cutting for sewer and manhole 0-7' depth

Manhole	1	x	6.5	x	5	x 4 =	130	Cft	
						Total	130	Cft	
						@	11740.40	%o cft	1526

2 P/L Cement concrete brick ballast 1.5" to 2" gauge 1:6:18

Manhole	1	x	6.5	x	5	x 0.5 =	16	Cft	
						Total	16	Cft	
						@	19583.65	%o cft	3182

3 Pacca brick work in O.T.B 1:4

Manhole	1	x 2	5.5	x	0.75	x 4 =	33	Cft	
	1	x 2	2.5	x	0.75	x 4 =	15	Cft	
						Total	48	Cft	
						@	30528.30	% cft	14654

4 P/L Cement concrete 1:2:4 plain

Manhole	1	x	4	x	2.5	x 0.25 =	3	Cft	
						Total	3	Cft	
						@	38126.10	% cft	953

5 Cement plaster 1/2" thick 1:4 ratio

Manhole	1	x 2	(	5 1/2	+	2 1/2	)	3/4 =	12	Sft	
Slab	1	x 2	(	5 1/2	+	4	)	1 =	19	Sft	
								Total	31	Sft	
								@	3241.60	% Sft	1005

6 P/L R.C.C 1:2:4 using coarse sand secreened graded and washed aggrigade without shuttring i/c errection in position

Manhole	1	x	5.5	x	4	x 0.33 =	7	Cft	
						Total	7		
D/d	1/3	x	3.14	x	1.875	x 3/4 =	1	Cft	
						Total	1	Cft	
						N.Total	6		
						@	457.75	P.Cft	2656

7 Fabrication of mild steel reinforcement i/c cutting bending and laying in position d-bars

1	x	6	x	5	x	0.454 =	14	Kg
						Total	14	Kg
						@	31403.05	%Kg	4277

8 Supply and fitting of cast iron manhole cover with frame, etc. complete.

iii) 60 cm (24") dia	1	x	1			=	1	Each
						Total	1	Each
						@	2051.15	Each	2051

Total Rs. 30305/-

Say ***Rs. 30300/-***

Executive Engineer
Division

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Chishtian

ROUGH COST ESTIMATE FOR WATER SUPPLY

2nd Bi Annual Period 01-07-2022 to 31.12.2022

1	**Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth **8.1 after laying of pipe line, which is from ground level, including trimming, dressing sides, payable separately. leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.**				
	1 X 400 X 1.5 X 2	=	1200 Cft		
		@	7622.75 %o	=	9147 /-
2	**Providing, laying, cutting, , testing and commissioning of PPRC water supply pipe i/c cotst of solvent & special making jharries , complete in all respects, PN-20 pipe**				
		=	100 Rft		
	(vl)(2") 63 mm	@	377.55 P.Rft	=	37755 /-
		=	300 Rft		
	(ix) (3") 110 mm	@	1348.95 P.Rft	=	404685 /-

Total;- = 451587 /-
Say:- = 451,600 /-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Chishtian

THQ Chistian

Provision/Installation of Electrical Equipment.

S.#		Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**				
1	**Construction of ELECTRICAL ROOM**	1			
2	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing; Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	MDB-1(For PDBs)				
	Incoming From Transformers				
	(i) LT Switchboards				
	(b) 2.50' deep	01	each	3,438	154728
	(i) 400A (3.0x6'x2.5')				
	MDB				
	Incoming from Transformer				
	Tripple Pole 400A(36 KA) 1*=1	1	each	62,434	62434
	Tripple Pole 200A(36 KA) 1*2=2	2	each	39,814	79629
3	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	MDB-1(For PDBs)				
	Incoming From Transformers				
	(i) LT Switchboards				
	(b) 12" deep	12	each	4,513	54154
	(i) 200A(3'x4'x12")				
	Incoming breakers for MDB-1				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA) 1*2=2	2	each	39,814	79629
	Outgoing breakers for MDB-1				
	(a) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094	36189
	(b) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094	36189
4	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors.Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
	ATS (for 200 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep	1	each	1,833,923	1833923
	(ii) 200KVA				
	Incoming Breakers For ATS (for 100 KVA Generator and Transformer)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all				
	(a) Tripple Pole 200A(36 KA) (1* 1=1)	2	each	39,814	79629
	Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)				
	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 63A(36 KA) (3* 3=9)	9	each	17,434	156909

S.#			Qty:	Unit	Rate	Amount
5		P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
		ATS (for 2100 KVA Generator Transformer)				
		Incoming from Generator and ATS for dual supply				
	(b)	2.00 Ft deep	2	each	801,448	1602895
	(ii)	100KVA				
		Incoming Breakers For ATS (for 100 KVA Generator and Transformer)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1* 2=1)	2	each	39,814	79629
		Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (3* 3=9)	9	each	17,434	156909
6		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For Male,Female & Peads & Sp. Block)				
	(a)	12" deep				
	(ii)	150A (3'x3'x12")	8	each	13,810	994306
		Incoming Breakers for PDBs (For Male,Female & Peads & Sp. Block)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 150A(36 KA) (1*8=8)	8	each	18,094	144754
		Outgoing Breakers for PDBs (For Male,Female & Peads & Sp. Block)				
	2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(10 KA) (1*4=4)	4	each	11,434	45737
	(b)	Single Pole 32A(10 KA) (5*8=40)	10	each	1,300	13000
	(d)	Single Pole 16A(10 KA) (6*8=48)	48	each	1,300	62398
6		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For Emergency & Genral OPD & Ortho)				
	(a)	12" deep 9x8=72				
	(ii)	150A (3'x3'x12")	8	each	5,146	370541
		Incoming Breakers for PDBs (For Emergency & Genral OPD & Ortho)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all				
	(a)	Tripple Pole 150A(36 KA) (1*8=8)	8	each	18,094	144754
		Outgoing Breakers for PDBs (For Emergency & Genral OPD & Ortho)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by				

S.#			Qty:	Unit	Rate	Amount
7		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		LDBs (For Male,Female & Peads & Sp. Block)	4.50	Op		
	(a)	6" deep				
	(ii)	63A (18"x24"x6")	8	each	18,691	84111
		Incoming Breakers for LDBs (For Male,Female & Peads & Sp. Block)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (1*8=8)	8	each	17,434	139474
		Outgoing Breakers for LDBs (For Male,Female & Peads & Sp. Block)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by				
	(a)	Single Pole 20A(10 KA) (4*8=32)	32		1,300	41598
	(b)	Single Pole 16A(10 KA) (4*8=32)	32		1,300	41598
	(c)	Single Pole 10A(10 KA) (6*8=48)	48		1,300	62398
8		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		LDBs (For Emergency & Genral OPD & Ortho)	4.50	Op		
	(a)	6" deep				
	(ii)	63A (18"x24"x6")	6	each	18,691	84111
		Incoming Breakers for LDBs (For Emergency & Genral OPD & Ortho)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all				
	(a)	Tripple Pole 63A(36 KA) (1*3=3)	6	each	17,434	104606
		Outgoing Breakers for LDBs (For Emergency & Genral OPD & Ortho)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 20A(10 KA) (4*6=24)	24		1,300	31199
	(b)	Single Pole 16A(10 KA) (4*6=24)	24		1,300	31199
	(c)	Single Pole 10A(10 KA) (6*6=36)	36		1,300	46798
B		**LT POWER CABLE.**				
	1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer)**	100	rft	3,677	367695
	2	70 mm sq (19/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer and MDB-1)**	300	rft	2,605	781515
	3	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For PDBs)**	300	rft	1,859	557775
	4	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(For LDBs and ACs)**	350	rft	161	56263
	5	7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc (for Internal Wiring of Hospital)	500	rft	110	55150
	6	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	87	8700
	7	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	44	4365
		TOTAL				8654367

ROUGH COST ESTIMATE FOR STREET LIGHT

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
1	Supplying,installation testing and commissioning of Octagonal shape electric street light pole,made of hot dipped4.5mm thick(7SWG) galvanized steel, tappe redfrom225mm at bottom to100mm at top,with1500mmx60mmx4mm thick dia.arm for luminaire installation,duly G.I.welded with 470x470x20mm base plate with the help of 4no triangular stiffeners100x350x20mm of GI sheet,with builtin junctionboxwithshutter,i/cthecostofnuts&J-ragbolts,dulyfixedinprelaidconcretefoundation,foundation will be paid additionally as approved and directed by the Engineer In charg						
	a) Single Arm(i) 10 mtr height	1	x	14		= 14 Nos	
				@	106,232.75	Each	1487259
2	*Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.*						
		14 x	2.5 x	2.5 x	1.5 =	131 Cft	
		@			10,677.75 %0Cft		1399
3	*Cement concrete brick or stone ballast 1½ " to 2" 50 mm) gauge, in foundation and plinth:-ratio 1:6:12*						
		14 x	2.5 x	2.5 x	0.5 =	44 Cft	
		@			21,060.85 %Cft		9267
4	*Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4*						
		14 x	1.75 x	1.75 x	2 =	86 Cft	
		@			38126.10 %Cft		32788
5	*Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.*						
	1'' dia.	1 x	1000	-	- = 1000 Rft		
		@			94.6 P.Rft		94600
6	*Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):-250/440 volts, PVC insulated:*						
i)	*7/0.029 wire*	1 x	990	-	- = 990 Rft		
		@			40.75 P.Rft		40343
ii)	*7/0.044 wire*	1 x	2200	-	- = 2200 Rft		
		@			75.1 P.Rft		165220
7	*P/F Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conformimg to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit,thermally hardened glass complete with LED drivers, surge protection i/c the cost of all accessories/components required for proper operation , fully flexible for future upgradation and easy replacements for maintenance purposes,bucket elevator charges as approved and directed by the Engineer Incharge of Flood 140 Lm/Watt (i) 50 Watt with 7000 lumens approved quality & grade etc complete in all respects as approved by the engineer incharge*						
				-	- = 14 Nos		
		@			50,172.95 Each		702421

8	*Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.*				
				2 *Nos*	
		@	9,592.45	*Each*	19185
9	*Providing and fixing M.S. iron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:- (24"x14"x6")*				
				2 *Nos*	
		@	6,774.80	*Each*	13550
10	*Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. i) 100 Amp Tripple pole.*				
				2 *Nos*	
		@	6,436.75	*Each*	12874
				Total:	2578906
				Say Rs:	2,578,910

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division,
Chishtian

Abstract of Cost

ROUG COST ESTIMATE FOR REVAMPING OF ROAD IN T.H.Q CHISHTIAN LENGTH:850 RFT TEHSIL CHISHTIAN DISTRICT BAHAWALNAGAR

2nd Bi-Annual 2022

S.NO	NAME OF ITEM	UANTIT	Unit	RATE	AMOUNT
1	Dismantling of existing soling/road edging. (Ch:4/item.11)	319	%Cft	863.50	2752
2	Earth wok in ordinary soil for embankment,2.00 miles including ploughing and mixing with blade or disc harrow or other suitable equipment & compaction by mechanical means at optimum moisture content upto 95 - 100% Maximum modified AASHO dry density; and dressing to design section; complete in all respects. (Ch:3/item.5)	1747	%0cft	11000.00	19214
3	Providing and laying road edging of 3" (three inches) wide and 9" (Nine inches) deep brick on end; complete in all respects. (Ch:18/item.5)	1700	P.Rft	51.05	86785
4	Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade; supplying and spreading of stone screening i/c placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density; i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.4)	5950	%Cft	26796.39	1594385
5	Providing tripple surface treatement to road i/c supply of bitumen and crushed stone aggregate of approved quality and grade i/c cleaning of road surface heating and spraying bitumen, spreading bajri and rolling with road roller (i/c its operational cost, fuel and hire charges etc;) i/c carriage of all material to site of work; using 79 lbs bitumen and 9.75 Cft. Bajri per %Sft area complete in all respect.	11900	%Sft	9501.98	1130736
				Total:	**2833873**
	D/d cost of old matrail old bricks 40% & 60% bricks beats of total Qty recived after dismentling of existing soling/edging as per itam No.1				
	Old bricks 60% Qty from itam No. 1 above x 60% x 13.50	%0 Nos	2582	4000	-10328
	Old bricks bates 40% Qty of itam No 3 above x 40%	%Cft	128	3000	-3825
					2819720
				Say Rs:	**2.820**

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DETAIL OF QUANTITY

ROUG COST ESTIMATE FOR REVAMPING OF ROAD IN T.H.Q CHISHTIAN LENGTH:850 RFT TEHSIL CHISHTIAN DISTRICT BAHAWALNAGAR

1	Dismantling of existing soling/road edging. (Ch:4/item.11)									
	street 1	2	x	600	x	0.25	x	0.75	=	225 Cft
	street 2	2	x	250	x	0.25	x	0.75	=	94 Cft
								Total	=	**319 Cft**
2	Earth wok in ordinary soil for embankment,2.00 miles including ploughing and mixing with blade or disc harrow or other suitable equipment & compaction by mechanical means at optimum moisture content upto 95 - 100% Maximum modified AASHO dry density; and dressing to design section; complete in all respects. (Ch:3/item.5)									
									=	319 Cft
	Trench Fillings									
	Street 1	2	x	600	x	2.00	x	0.42	=	1008 Cft
	Street 2	2	x	250	x	2.00	x	0.42	=	420 Cft
								Net Total	=	**1747 Cft**
4	Providing and laying road edging of 3" (three inches) wide and 9" (Nine inches) deep brick on end; complete in all respects. (Ch:18/item.5)									
	street 1	2	x	600					=	1200 Rft
	street 2	2	x	250					=	500 Rft
								Total:	=	**1700 Rft**
5	Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade; supplying and spreading of stone screening i/c placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density; i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.4)									
	Overlay									
	street 1	1.00	x	600.00	x	14	x	1/2	=	4200 Cft
	street 2	1.00	x	250.00	x	14	x	1/2	=	1750 Cft
									=	**5950 Cft**
6	Providing tripple surface treatement to road i/c supply of bitumen and crushed stone aggregate of approved quality and grade i/c cleaning of road surface heating and spraying bitumen. spreading bajri and rolling with road roller (i/c its operational cost, fuel and hire charges etc;) i/c carriage of all material to site of work, using 79 lbs bitumen and 9.75 Cft. Bajri per %Sft area complete in all respect.									
	street 1	1.00	x	600.00	x	14			=	8400 sft
	street 2	1.00	x	250.00	x	14			=	3500 sft
								Total:	=	**11900 Sft**

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ANALYSIS OF RATES

ROUG COST ESTIMATE FOR REVAMPING OF ROAD IN T.H.Q CHISHTIAN LENGTH:850 RFT TEHSIL CHISHTIAN DISTRICT BAHAWALNAGAR

MRS, 2ND BI-ANNUAL-2022 (01.07.2022 to 31.12.2022

ANALYSIS OF RATE FOR SUB BASE OF CRUSHED STONE AGGREGATE. QUARRY : Sakhi Sarwar		
100 Cft.	1. Providing and laying sub base course of crushed stone aggregate of approved quality and grade i/c placing, mixing, spreading, and compaction of sub base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work	8925.00
120 Cft.	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. Up to 10 km 10 = 1089.00 km 11 to 200 190 x 57.25 = 10877.50 km 201 to 250 50 x 3.25 = 162.50 km 251 to above 39 x 2.00 = 78.00 **Total: 289 = 12207.00** x 1.20	14648.40
	Total:	**23573.40**
ANALYSIS OF RATE FOR BASE OF CRUSHED STONE AGGREGATE. QUARRY : Sakhi Sarwar		
100 Cft.	1. Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade i/c placing, mixing, spreading, and compaction of base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work.	11903.85
122 Cft.	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. **= 12207.00** x 1.22	14892 54
	Total:	**26796.39**
ANALYSIS OF RATE FOR TRIPLE SURFACE TREATMENT BY USING 79 Lbs BITUMEN AND 9.75 CFT. BAJRI QUARRY : Sikhanwali		
100 Sft	1. Providing triple surface treatment to road i/c supply of bitumen and crushed stone aggregate of approved quality and grade i/c cleaning of road surface heating and spraying bitumen, spreading bajri and rolling with road roller (i/c its operational cost, fuel and hire charges etc;) i/c carriage of all material to site of work, using 79 lbs bitumen and 9.75 Cft. Bajri per %Sft area complete in all respect.	8311.80
7.50 Cft.	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. Up to 10 km 10 = 1089.00 km 11 to 200 190 x 57.25 = 10877.50 km 201 to 250 50 x 3.25 = 162.50 km 251 to 39 x 2.00 = 78.00 **Total: 289 = 12207.00** x 9.75	1190.18
	Total:	**9501.98**

RATE FOR EARTHWORK LEAD UPTO 2.00 Mile

Basic rate	(Ch 3/item 5)			9527.90
Upto 1/4 mile				4248.00
Upto 1.00 mile		12 x	47.50	570.00
Upto 2.00 mile		4 x	338.40	1353.60
			Total: =	**15699.50**

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8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010095
A/C To be Credited: Account-I

PKR Million

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

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010095
A/C To be Credited: Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

9. 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	**4.500**	**8.502**
Utilization	**4.067**	**1.709**

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	**0.000**	**30.326**
Utilization	**0.000**	**0.000**

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

11.3.1 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

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

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

the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

The Targets of Sustainable Development Goals (SDGs) will be achieved
The Human Development Index of Pakistan (HDI) will improve
Infant Mortality Rate will decrease
Mother Mortality rate will be decreased
The international commitments of Pakistan will be accomplished
Health standard of public will
Better Health Facilities to mother and
Prompt and scientific facility for operation
Rehabilitation of disables and injured
Blindness in this area will be decreased and controlled
Better social and mental health to addict
Provision of better health facilities at doorsteps
Awareness and control for communicable
Survival of heart failure
Social indicators of Pakistan will improve

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees
Diagnostic facility fees
X-Ray fee
Dental fee
ECG fee
Private room charges
Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name: Mr. KHIZAR HAYAT **Designation:**Project Director, PMU P&SHD
Email: **Tel. No.:**
Fax No:
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:

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(Oct-2022)

(HAMZA NASEEM)
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Checked By:

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(Oct-2022)

(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
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(Oct-2022)

Approved By:

(DR. IRSHAD AHMAD)
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17. RELATION WITH OTHER PROJECTS