



PC-1

Balance Work of Revamping of DHQ Hospital Bahawalnagar

ORIGINAL APPROVED COST	PKR Million. 113.798/-
ORIGINAL APPROVED GESTATION	49 Months Till December 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Bahawalnagar

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 FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5340
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 DHQ Hospital Bahawalnagar:	139,794 SFT
Area completed:	22,758 SFT
Area not takenup:	75,059 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 grooves can be prevented. Moreover, to make the C.T. Scan room and X-Ray rooms radio-resistant and to keep the patients away from the harm of rays, interventions are taken in X-ray rooms and C.T. Scan regarding provision of lead lining in walls, ceiling and floor.

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

5.3.3.1 ICU

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

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

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

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

5.3.3.4 BURN UNIT

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

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

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

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

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

1. Developing a plan to test the change (Plan),

2. Carrying out the test (Do),
3. Observing and learning from the consequences (Study), and
4. Determining what modifications should be made to the test (Act).
5. Monitoring effective load sharing of Human resource and equipment within hospitals.
6. Addition of new HR/ rationalization on requirement of MSDS indicator compliance for effective departmental organization and their planned trainings by MPDD, UHS ETC
7. Standard optimization of Standard operating procedures and methods for their effective adoption by hospital human resource.
8. We have also extended our MSDS implementation in 20 more departments such as dentistry, ICU, ccu, Dialysis, mortuary, burn unit, physiotherapy, orthopedics, medicine, nursing, paedrs, 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 then diagnosed the medicine or either to admit it after his examination. In case of medicine he will be sent to hospital pharmacy where again the same ticket number will be displayed. There have to be an option available with the doctor to either redirect him to the hospital pharmacy or other (medical tests, referred to IPD). On displaying the same token number at pharmacy counter the patient will move to pharmacy counter along with his token number and registration slip and take prescribed medicine. Patient will be disposed from that window and process of QMS will be completed. There will be no entry in the basic registration software on the counters of triage, doctor at the moment.

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

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

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

5.7.2 Public Address System

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

5.7.3 CCTV System

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

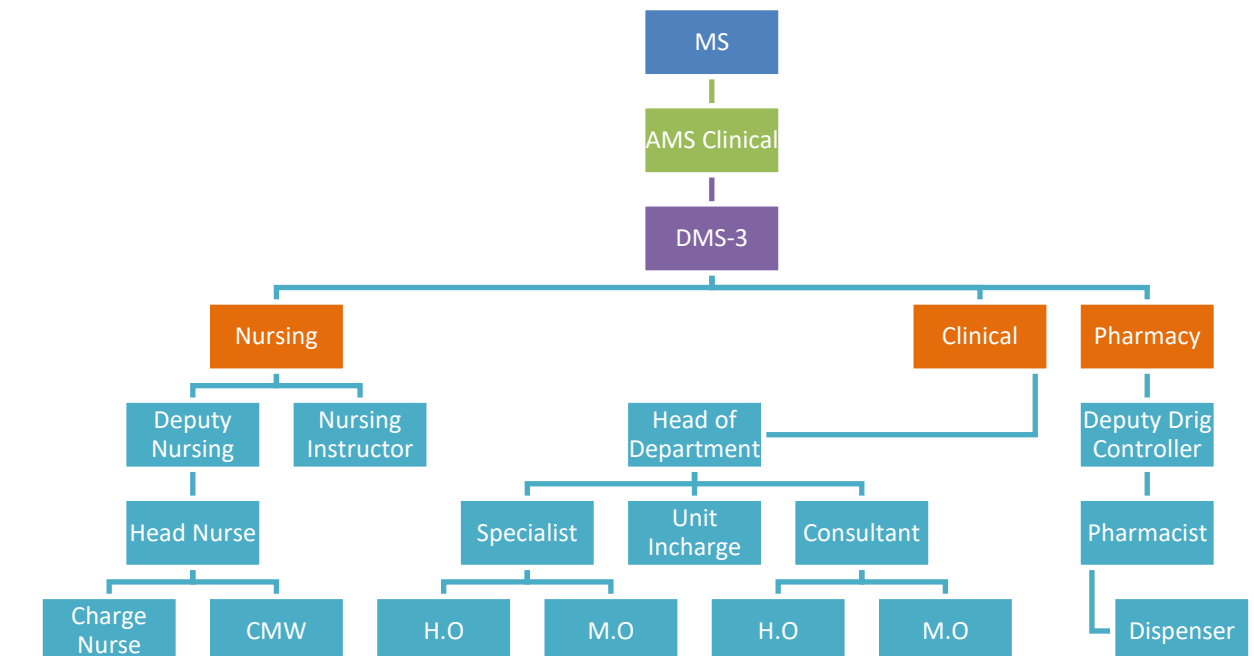
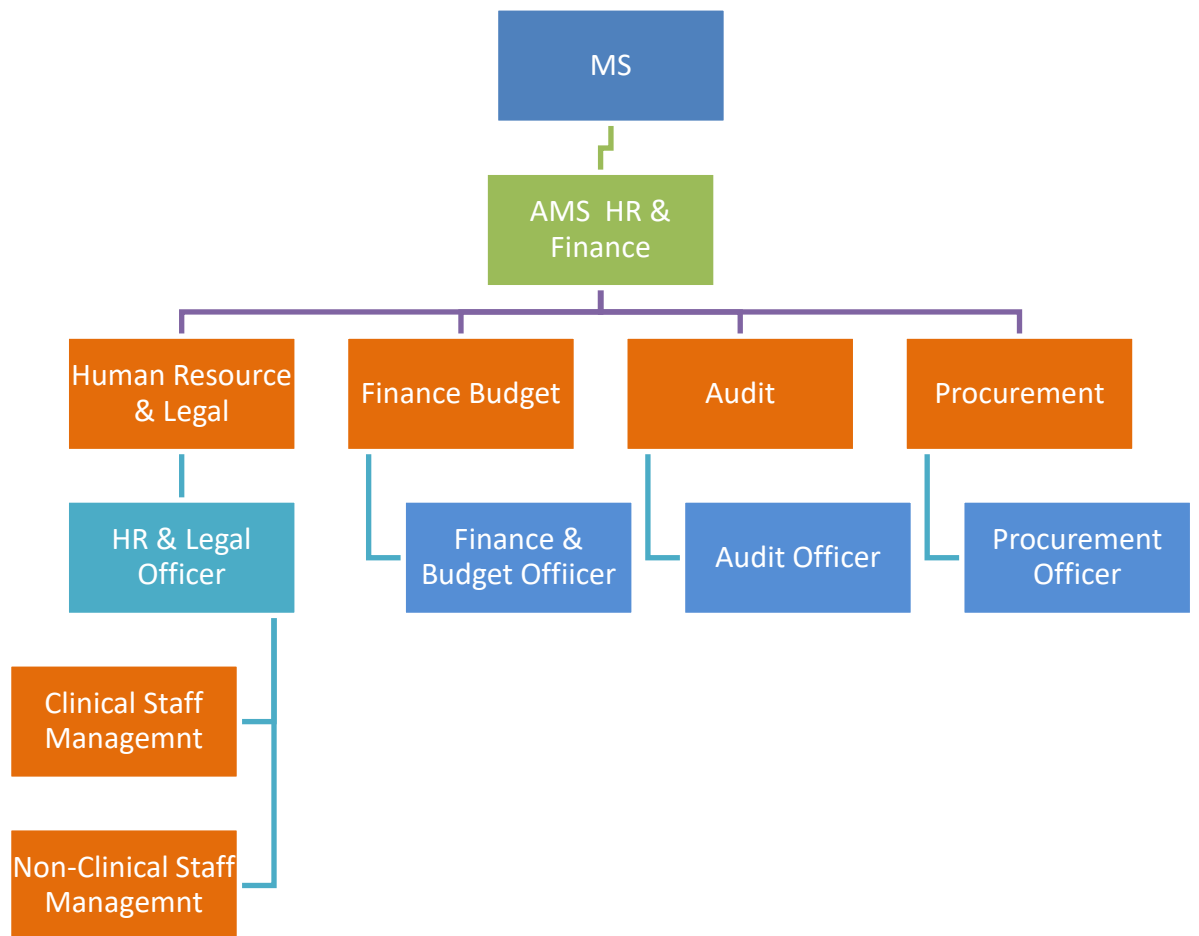
5.7.4 EMR and Networking

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

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

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

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



Financial Implications of New Management Structure

Students

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

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

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

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

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

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

1. Smooth conduct and completion of all types of audit in hospital
2. Pre-audit of all Payments
3. Liaison with external audit teams
4. Preparation of replies of audit paras, working paper for Department Accounts committee, Special Departmental accounts committee & Public Accounts committee meetings

5. Development of SOPs for finance, budget, procurement as per Government rules & regulations
6. Any other function assigned by AMS HR& Finance /MS/P&SHD

Eigibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

1. Security
2. Transport
3. Parking
4. Janitorial
5. Canteen

6. External housekeeping
7. Electrical works
8. Internal housekeeping
9. Laundry
10. Stores & supplies

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

OR

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

2. Minimum 1 year post degree relevant professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

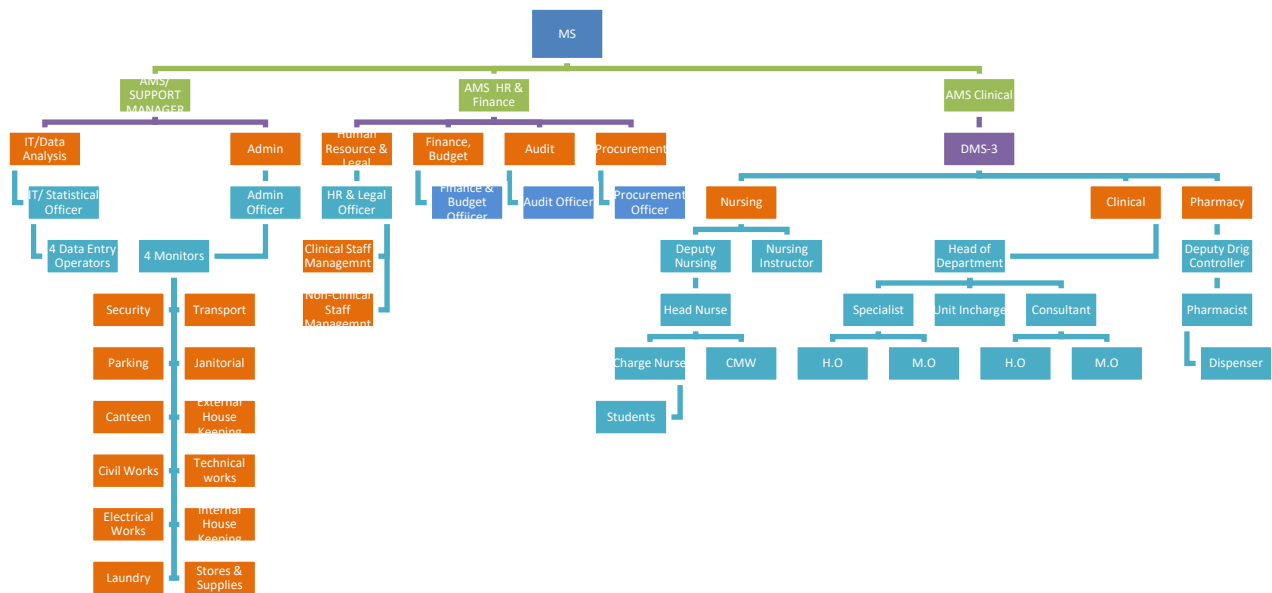
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

Name of Post	No. of Employees	Revised Pay package	
		Per Month Salary	Salary for One Year
ADMIN OFFICER	1	105,000	1,260,000
HUMAN RESOURCE OFFICER	1	105,000	1,260,000
IT/STATISTICAL OFFICER	1	105,000	1,260,000
FINANCE & BUDGET OFFICER	1	105,000	1,260,000

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

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is firmly committed to provide health care services at the doorstep of the community

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

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

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
2. Patients seen by C.M.O. initial assessment (brief history and physical examination) is entered on the emergency slip/file initial treatment is started.
3. C.M.O calls the medical officer / house officer of the relevant department who takes on of the following action:-
 - i. Discharges the patient from emergency department after the patient is stabilized (himself or after consultation).
 - ii. Returns the patient in emergency department and inform the consultant or call such patient is either discharged after some time i.e. 2 hours of admitted later on
 - iii. Patient is straight way admitted by the medical officer himself or in consultation with the consultant
4. A separate record is maintained by each department. Each patient discusses at the morning meeting and any pitfalls are any pitfalls are corrected.
5. The patient who is admitted is again entered into the computer in the ward, complete history and physical examination is carried out and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).

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

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

5.10.2 O.P.D:

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

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

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

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

5.10.4 INVENTORY CONTROL SYSTEM

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of District Bahawalnagar is more than 4.212 million. The area of the DHQ Hospital Bahawalnagar is 1244779 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 decreased from Rs. 77.597 million to Rs. 64.261 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

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

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

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

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

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

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

given

below

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

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number:Development - (PC22036)
LO NO:LO21010524
A/C To be Credited:Assan Assignment

PKR Million

Sr #	Object Code	2021-2022		2022-2023		2023-2024		2024-2025		2025-2026	
		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:LO22010085
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2021-2022		2022-2023		2023-2024		2024-2025		2025-2026	
		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

Abstract of Cost

Name of DHQ Hospital	Bahawalnagar					
Scope of work	Original			1st Revised		
	Capital	Revenue	Total	Capital	Revenue	Total
Capital component						
Internal Development	65.257	0.000	65.257	54.935	0.000	54.935
External Development	12.340	0.000	12.340	9.326	0.000	9.326
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	77.597	0.000	77.597	64.261	0.000	64.261
Revenue component						
Human resource (HR) plan	0.000	25.44	25.440	0.000	49.537	49.537
Total Revenue component	0.000	25.440	25.440	0.000	49.537	49.537
Total	77.597	25.440	103.037	64.261	49.537	113.798
Grand Total	77.597	25.440	103.037	64.261	49.537	113.798

Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
AUDIT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
Sub Total of HR Model	17		1,060,000	25,440,000			1,059,000	1,401,000	43,431,000
				25.440					43.431
Utilization of HR Component				6.106					
									49.537

From

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

To

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

Memo No.76-Dev/2014/

2995

/Dev. Dated 2 .10.2022

Subject:

**ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE
WORK OF REVAMPING OF ALL DHQ/15- THQ HOSPITAL IN
PUNJAB ONE AT BAHAWALNAGAR" ADP NO.660 FOR THE
YEAR 2022-23.**

Please find enclosed copy of Rough Cost Estimate amounting to Rs.64.870(M) duly vetted by the Chief Engineer for arranging necessary Administrative Approval.

The Rough Cost Estimate has been prepared on the basis of rates meant for 2nd Bi-annual 2022.

DA/As Above.


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

Endst: No.

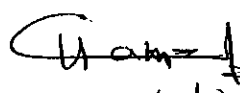
/Dev, Dated .10.2022.

A copy is forwarded for information to:-

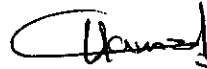
- 1 The Superintending Engineer, Buildings Circle, Bahawalpur for information with reference to his letter No.2052/DB, dated 29.10.2022.
- 2 The Executive Engineer, Buildings Division, Bahawalnagar.
- 3 The Chief Draftsman (Local).

DA/Nil.

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

Received 
07/11/2022

Consultant civil please check the estimate.


07/11/2022

2

PUNJAB BUILDINGS DEPARTMENT BAHAWALNAGAR

PROVICE

PUNJAB

DISTRICT

BAHAWALNAGAR

DIVISION

BUILDINGS DIVISION, BAHAWALNAGAR.

SUB DIVISION

BUILDINGS SUB DIVISION, BAHAWALNAGAR.

NAME OF WORK

ROUGH COST ESTIMATE FOR THE "BALANCE
WORK OF REVAMPING OF ALL DHQ/15 THQ
HOSPITALS IN PUNJAB ONE AT
BAHAWALNAGAR (ADP NO.660/2022-23)

ESTIMATED COST

64.261

Rs. 64.056/- (M)

Department of
Public Health
Executive Director

[Handwritten signature]



MINUTES OF MEETING

Communication & Works Department

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

Date: 01/08/2022 Time: 02:00

Location: DHQ Hospital Bahawalnagar

ATTENDEES

NAME	Designation
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Saad Zulfiqar	Consultant (Electrical), PMU
Mr. Nadeem	Executive Engineer (building), C&W
Mr. Hamza	Sub Divisional Officer (Building), C&W
Mr. Tahir	Assistant Admin Officer, DHQ Hospital Bahawalnagar

MINUTES

Sr. #	AGENDA ITEM	Remarks
1	Meeting Agenda: 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work	
2	1. Introduction: Mr. Hamza Naseem, Project Manager Civil, led the kick-off meeting for DHQ Bahawalnagar. He introduced his team to C&W and Hospital staff. Mr. Nadeem, XEN, C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work in already revamped areas should not be executed. In case if any such work is required to be done in already revamped area by IDAP, it must be carried out after written approval from PMU.	
3	2. Generalized Site Decision: 2.1 Internal Development (To be Executed in Unrevamped Areas) a. Flooring and Skirting/Dado Flooring and dado should be fixed in areas where existing tiles are damaged/ broken. b. Paint Paint work should be done in all areas and on all doors (exceptions are mentioned in following points) c. Windows All damaged windows should be replaced/repared d. Doors All damaged doors should be replaced/repared or existing wooden doors should be repainted.	



MINUTES OF MEETING

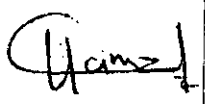
Communication & Works Department

	e. UPVC doors All washrooms (used for patient/attendants) should be replaced with UPVC doors. f. Seepage Mitigation All the areas facing seepage issues need to be assessed to locate the seepage source and necessary action may be taken accordingly. g. Water Proofing Water Proofing on entire Hospital Clinical building and cleaning all blockages of storm water lines. Water proofing of brick tiles should be proposed to avoid extra load on Hospital Building for its structural stability. 2.2 External Development a. Sewerage System C&W to assess the existing sewerage system and worked accordingly as per requirement. b. Water Supply System Assessment of existing water supply system and rectification required to be done as per Hospital Requirement. c. Water supply system from Filtration Plant Moreover, location for Water points/connection for drinking water in hospital building will be provide by hospital administration to C&W and water supply line will lay accordingly. d. Roads Existing Road conditions need to be re-assessed prior starting execution.	
4	3. Specified Instructions Area-wise The following general decision were taken for DHQ Bahawalnagar 3.1 Internal Development a. Admin Block • Marble at Entrance Podium and Entrance steps of Admin block needs to be changed matching with the existing marble. • All marble on floor needs to be retained and chemical polishing only needs to be done. • Wall/dado tiles in entire Admin Block needs to be replaced with full body porcelain tiles up to height of 5 ft. with SS Edge protection. • All windows in the Admin Block needs to be replaced with Aluminum windows with safety grills for windows opening outside and marble sill. • False Ceiling needs to be done in entire Admin block Main and side corridors only. • 7 x doors old style needs to be replaced with Aluminum doors. • All doors in Admin Block needs to be retained. • Entrance door of Electrical Room needs to be replaced with new wooden door.	



MINUTES OF MEETING

Communication & Works Department

	• 5 x doors and ventilators in Admin block indicated during site visit needs to be replaced with Aluminum doors and ventilators. • Entrance door of OT block from Admin block needs to be replaced with Aluminum door half solid and half glazed glass fixed on it. • Complete Revamping of all Public/Attendant washrooms in Admin Block by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. replacing all washroom accessories with new accessories with new water and sewerage connections. All Entrance doors of washrooms to be replaced with UPVC doors. Exhaust fans of 24" two or three as per requirement with Aluminum ventilators need to be fixed. b. OT Block (Next to Admin Block) • Main Entrance door of OT Block from outside needs to be replaced with Aluminum door half solid and half glazed glass fixed on it. • Columns at Entrance of OT needs to be removed and extending ramp and entrance with Antiskid tiles and SS railing. Marble to be fixed on Podium and Entrance steps. • Inside 3 x OT's Next to of Admin Block Antimicrobial flooring, Antimicrobial wall paneling and nonporous ceiling needs to be done. • Entrance doors of 3 x OT's need to be replaced with wooden doors double hinged with half SS plate fixed on it. • False ceiling required to be done in entire OT Block. • All cemented benches need to be dismantled. • If any window inside OT is opening outwards it needs to be closed as there must be no window inside OT opening outward. • All windows in OT Block needs to be replaced with Aluminum windows. • Roof treatment requires to be done of entire OT Block. • Complete Revamping of all washrooms in OT Block by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. replacing all washroom accessories with new accessories with new water and sewerage connections. All Entrance doors of washrooms to be replaced with UPVC doors. Exhaust fans of 24" two or three as per requirement with Aluminum ventilators need to be fixed. c. Cardiac Block • Entrance door of Cardiac Block needs to be replaced with Aluminum door half solid and half glazed glass. • All floor tiles full body porcelain matching with tiles fixed by IDAP needs to be fixed in cardiac block. • All wall/dado tiles full body porcelain matching with tiles fixed by IDAP needs to be fixed in Cardiac block up to height of Existing wall/dado tiles in main corridor with SS Edge protection. Note: Height of wall/dado tiles must be 6 ft, inside main/side corridors and wards. Inside rooms/offices skirting must be up to 6".	
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MINUTES OF MEETING

Communication & Works Department

- All windows in Cardiac Block needs to be replaced with Aluminum windows with safety grills on all windows opening outwards and marble sill.
- All Entrance and Exit doors of wards only needs to be replaced with Aluminum doors half solid and half glazed glass.
- All other doors including doors of offices/rooms etc. needs to be replaced with new wooden doors matching with doors fixed by IDAP.
- False ceiling needs to be done in entire corridor only of Cardiac block (not inside rooms/offices and wards) matching with IDAP to attain symmetry.
- Complete Revamping of all Public/Attendant washrooms in Cardiac Block by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. replacing all washroom accessories with new accessories with new water and sewerage connections. All Entrance doors of washrooms to be replaced with UPVC doors. Exhaust fans of 24" two or three as per requirement with Aluminum ventilators need to be fixed.

d. Dialysis Block

- Entrance door of Dialysis block needs to be replaced with Aluminum door half solid and half glazed glass fixed on it.
- All floor tiles full body porcelain needs to be fixed in entire dialysis block in corridor and wards except in one ward which recently got revamped.
- All wall/dado tiles in entire dialysis block needs to be fixed up to height of 6 ft. in main/side corridors and inside wards and 6" skirting inside rooms/offices.
- All windows inside dialysis block needs to be replaced with Aluminum windows with safety grill and marble sill.
- All doors in dialysis block needs to be replaced with new wooden doors except ward entrance and exit doors which should be of Aluminum half solid and half glazed glass doors.
- Complete Revamping of all Public/Attendant washrooms in Dialysis Block by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. replacing all washroom accessories with new accessories with new water and sewerage connections. All Entrance doors of washrooms to be replaced with UPVC doors. Exhaust fans of 24" two or three as per requirement with Aluminum ventilators need to be fixed.

3.2 External Development

- a. Minor repair/maintenance works of water supply lines need to be done for smooth water supply to Clinical blocks of Hospital.
- b. Distilling of sewerage line needs to be done and only damaged/broken sewerage line needs to be replaced.
- c. Road patch work where damaged needs to be done.
- d. Water Proofing of entire Hospital Non Revamped blocks only to be done.
- e. External weather shield of entire hospital non revamped blocks only needs to be done.

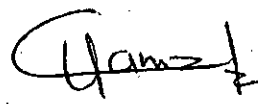
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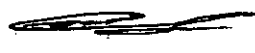
MINUTES OF MEETING
Communication & Works Department

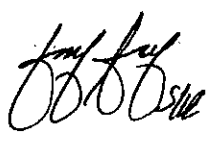
5	4. <u>Priority of work</u> 4.1 <u>Priority 1</u> 3.1a, b, c, d. 3.2 a, b, d, e. 4.2 <u>Priority 2</u> 3.2 c.	
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ADMIN OFFICER
DHQ Hospital Bahawal Nagar


Project Manager Civil
PMU, P& SHD


SUB DIVISIONAL OFFICER
Buildings Sub Division
Bahawal Nagar


Executive Engineer
Buildings Division
Bahawalnagar



RECEIVED
DEFENSE DEPARTMENT
WASHINGTON, D.C.

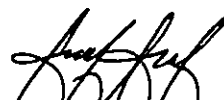
EXHIBIT 5000-1
ADMIN OFFICE

OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS DIVISION BAHAWALNAGAR.

NAME OF WORK. **ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT BAHAWALNAGAR(ADP NO.660/2022-23)**

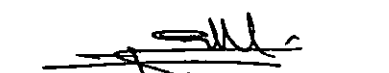
Sr. No.	Description	Plinth Area/Qty	MRS 2nd Bi-Annual 2022				Unit	Amount	Remarks
			B.P.	P.H.	E.I.	Total Rate			
1	2	3	4	5	6	7	8	9	10
1	REVAMPING OF ADMIN & OPERATION THEATHER BLOCK	1 Job	18807000 19572000	229600	2078000	21114600 21879600	P. Job	21114600 Rs. 21879600	21492919 Detail Atteched
2	REVAMPING OF CARDIAC BLOCK	1 Job	12593000 12593000	283300	1213000	14092300 14089300	P. Job	14092300 Rs. 14089300	13516457 ...do...
3	REVAMPING OF DIALYSIS BLOCK	1 Job	5836000 5834000	251100	657000	6744100 6742100	P. Job	6744100 Rs. 6742100	6429979 ...do...
4	REVAMPING OF MORTARY BUILDING	1 Job	557000 548000			557000 548000	P. Job	557000 Rs. 548000	504196 ...do...
5	PROVISION/ELECTRIC SUB STATIONEQUIPMENT	1 Job	12991306			12991306	P. Job	Rs. 12991306	...do...
6	COST OF STREET LIGHT 15-No.	1 Job	4340850 2835660			4340850 2835660	P. Job	4340850 Rs. 2835660	...do...

7	COST OF EXTERNAL WATER SUPPLY SYSTEM	1 Job	225000	—	—	225000	P. Job	Rs. 225000	...do...
Total								Rs. 59340966	60065156 / 59500707
Add 03% Contingency								Rs. 1779329	1807955 / 1785021
Add 5% PST								Rs. 2965548	3003258 / 2975035
Total								64055843	64870368 / 64260764
Say								64056000	64870000 / 64260800
Rs. 64.056 (M)								64.870 (M)	64.261


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Bahawalnagar


Executive Engineer
Buildings Division
Bahawalnagar


Superintending Engineer
Buildings Circle Bahawalpur

TECHNICALLY VETTED 64.26

For Rs. ~~64.870~~ (Million)

Chief Engineer Punjab Buildings Deptt; South Zone, Lahore.

Deputy Director-II Punjab Buildings Deptt; South Zone, Lahore.

Chief Draftsman Punjab Buildings Deptt; South Zone, Lahore.

2

10

100

1000

10000

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DHQ HOSPITAL BAHAWALNAGAR

(ADMIN & OPERATION THEATER BLOCK)

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

1 Dismantling glazed or encaustic tiles, etc.

Toilets Floors	1	x	5 1/6	x	10 1/4		53 "
"	1	x	6 1/2	x	10 1/4		67 "
"	1	x	6	x	7 1/2		45 "
"	1	x	6	x	7		42 "
"	1	x	6	x	10		60 "
"	1	x	7	x	6 2/3		47 "
"	1	x	8 2/3	x	5		44 "
"	1	x	8 2/3	x	4 1/2		39 "
"	2	x	8	x	9 7/8		158 "
"	2	x	5	x	10		100 "
"	1	x	6	x	6		36 "
Main OT	1	x	24 2/3	x	26		641 Sft
OT	1	x	16	x	26		416 "
Eye OT	1	x	16	x	15		240 "
Changing	1	x	15	x	12 1/2		188 "
Sterilize	1	x	15	x	12 2/3		190 "
"	1	x	15	x	12		180 "
Entrance OT	1	x	13	x	15		195 "
X Ray	1	x	15	x	15		225 "
Sterilization Room	1	x	16	x	15		240 "
Ver	1	x	41 1/4	x	12		495 "
Porch	1	x	22 1/2	x	14 1/2		326 "
Steps	3	x	20	x	1		60 "
Steps	4	x	12	x	1		48 "
Main OT dado	1	x	2	(	24 2/3	+	26) 6 608 "
OT	1	x	2	(	16	+	26) 6 504 "
Eye OT	1	x	2	(	16	+	15) 6 372 "
Toilets Walls	1	x	2	(	5 1/6	+	10 1/4) 7 216 "
"	1	x	2	(	6 1/2	+	10 1/4) 7 235 "
"	1	x	2	(	6	+	7 1/2) 7 189 "
"	1	x	2	(	6	+	7) 7 182 "
"	1	x	2	(	6	+	10) 7 224 "
"	1	x	2	(	7	+	6 2/3) 7 191 "
"	1	x	2	(	8 2/3	+	5) 7 193 "
"	1	x	2	(	8 2/3	+	4 1/2) 7 184 "
"	2	x	2	(	8	+	9 7/8) 7 501 "
"	2	x	2	(	5	+	10) 7 420 "
"	1	x	2	(	6	+	6) 7 168 "
Entrance OT dado	1	x	2	x	14 1/2		x 6 174 "
"	1	x	1	x	15		x 6 90 "
Front Ver	1	x	1	x	108 1/8		x 6 649 "
Middle gallery R side	1	x	2	x	90		x 6 1080 "
Middle gallery L side	1	x	2	x	79 1/2		x 6 954 "
Middle gallery	1	x	2	x	17 1/4		x 6 207 "
"	1	x	2	x	68 1/8		x 6 818 "
Pillars	14	x	3	x	1 1/8		x 6 284 "

Total 844342575 Sft
Rs. 2335.85 %Sft

197216/-
Rs=293730/-

2 Dismantling Mud concrete

Toilets Floors	1	x	5 1/6	x	10 1/4	x	3/8	20 "
"	1	x	6 1/2	x	10 1/4	x	3/8	25 "
"	1	x	6	x	7 1/2	x	3/8	17 "
"	1	x	6	x	7	x	3/8	16 "
"	1	x	6	x	10	x	3/8	23 "
"	1	x	7	x	6 2/3	x	3/8	17 "
"	1	x	8 2/3	x	5	x	3/8	17 "
"	1	x	8 2/3	x	4 1/2	x	3/8	15 "
"	2	x	8	x	9 7/8	x	3/8	59 "

112

	2	x	5	x	10	x	3/8	38 "
	1	x	6	x	6	x	3/8	14 "
Main OT	1	x	24 2/3	x	26	x	3/8	241 "
OT	1	x	16	x	26	x	3/8	156 "
Eye OT	1	x	16	x	15	x	3/8	90 "
Changing	1	x	15	x	12 1/2	x	3/8	70 "
Sterilize	1	x	15	x	12 2/3	x	3/8	71 "
	1	x	15	x	12	x	3/8	68 "
Entrance OT	1	x	13	x	15	x	3/8	73 "
X Ray	1	x	15	x	15	x	3/8	84 "
Sterilization Room	1	x	16	x	15	x	3/8	90 "
Ver	1	x	41 1/4	x	12	x	3/8	186 "
Porch	1	x	22 1/2	x	14 1/2	x	3/8	122 "
Total								1510 Cft

Rs. ~~2031.75 %Cft~~ Rs. ~~506287/-~~

- 3 P/L watering and ramming brick ballast 1-1/2" to 2" gague mixed with 25% sand for floor foundation complete in all respects:

as per item No 2

Total 1510 Cft
@ 9284.40 %Cft Rs. ~~1404877/-~~

- 4 Providing and laying cement concrete plain.1:2:4

as per item No 3

1510 x 1/3

498

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

- (a) Cementitious Urethane
(b) Epoxy

Main OT	1	x	24 2/3	x	26		641 Sft
OT	1	x	16	x	26		416 "
Eye OT	1	x	16	x	15		240 "

Total 1297 Sft

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

- (b) 2.5mm thick

Main OT	1	x	2	(	24 2/3	+	26	)	812	1216
OT	1	x	2	(	16	+	26	)	812	1008
Eye OT	1	x	2	(	16	+	15	)	812	744

Total 2968 4484 Sft

@Rs. 1816 2220.00 P.Sft

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

Changing	1	x	15	x	12 1/2		188 "
Sterilize	1	x	15	x	12 2/3		190 "
	1	x	15	x	12		180 "
Entrance OT	1	x	13	x	15		195 "
X Ray	1	x	15	x	15		225 "
Sterilization Room	1	x	16	x	15		240 "

Total 1218 Sft

Rs. 340.50 P.Sft

- 8 Providing and laying of Porceline full. body tiles 600-mmx600-mm Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality, skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c. white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

Main OT dado	1	x	2	(	24 2/3	+	26	)	6	608 Sft
OT	1	x	2	(	16	+	26	)	6	504 "
Eye OT	1	x	2	(	16	+	15	)	6	372 "
Changing	1	x	2	(	15	+	12 1/2	)	6	330 "

Sterilize	1	x	2	(	15	+	12 2/3	)	6	332 "
	1	x	2	(	15	+	12	)	6	324 "
Entrance OT	1	x	2	(	13	+	15	)	6	336 "
X Ray	1	x	2	(	15	+	15	)	6	360 "
Sterilization Room	1	x	2	(	16	+	15	)	6	372 "
Front Ver	1	x	1	x	108 1/8				6	649 "
Middle gallery R side	1	x	2	x	90				6	1080 "
Middle gallery L side	1	x	2	x	79 1/2				6	954 "
Middle gallery	1	x	2	x	17 1/4				6	207 "
	1	x	2	x	68 1/8				6	818 "
Pillars	14	x	3	x	1 1/8				6	284 "
										Total

$11 \times 3.50 \times 6.0 = 231$

Rs. 340.50 P.Sft $7529 \text{ Sft} - 231 = 6045 \text{ Sft}$
 Rs. 2563567/-
 2058323/-

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

Toilets Floors	1	x	5 1/6	x	10 1/4		53 "
"	1	x	6 1/2	x	10 1/4		67 "
"	1	x	6	x	7 1/2		45 "
"	1	x	6	x	7		42 "
"	1	x	6	x	10		60 "
"	1	x	7	x	6 2/3		47 "
"	1	x	8 2/3	x	5		44 "
"	1	x	8 2/3	x	4 1/2		39 "
"	2	x	8	x	9 7/8		158 "
"	2	x	5	x	10		100 "
"	1	x	6	x	6		36 "

Total 690 Sft
 Rs. 239.90 P.Sft Rs. 165584/-

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

Toilets Walls	1	x	2	(	5 1/6	+	10 1/4	)	7	216 "
"	1	x	2	(	6 1/2	+	10 1/4	)	7	235 "
"	1	x	2	(	6	+	7 1/2	)	7	189 "
"	1	x	2	(	6	+	7	)	7	182 "
"	1	x	2	(	6	+	10	)	7	224 "
"	1	x	2	(	7	+	6 2/3	)	7	191 "
"	1	x	2	(	8 2/3	+	5	)	7	193 "
"	1	x	2	(	8 2/3	+	4 1/2	)	7	184 "
"	2	x	2	(	8	+	9 7/8	)	7	501 "
"	2	x	2	(	5	+	10	)	7	420 "
"	1	x	2	(	6	+	6	)	7	168 "

$2 \times 13 \times 2.50 \times 7.0 = 455$

Total 2702 Sft $455 = 2247 \text{ Sft}$
 Rs. 292.65 P.Sft Rs. 790712/-
 657585/-

11 Providing and laying flooring with China Verona Marble having uniform texture (Spotless) of required size and specified thickness, with adhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x24"/12"x36")

Ver	1	x	41 1/4	x	12		495 "
Porch	1	x	22 1/2	x	14 1/2		326 "
	8	x	1 1/8	x	6		54 "

Total 875 Sft
 Rs. 368.70 P.Sft Rs. 322705/-

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

Steps Trad	3	x	20	x	1		60 "
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Riser	3	x	20	x	1/2	30 "
Steps Trad	4	x	12	x	1	48 "
Riser	4	x	12	x	1/2	24 "

Total 162 Sft
Rs. 1308.95 P.Sft

Rs. 212050/-

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

W1 sill	9	x	6 1/2	x	1	59 "
W2	6	x	3	x	1	18 "
W3	4	x	6	x	1	24 "
	1	x	6	x	1	6 Sft
	5	x	2	x	1	10 Sft
	2	x	3	x	1	6 Sft
	1	x	14	x	2	28 Sft

Total 151 Sft
Rs. 412.30 P.Sft

Rs. 62051/-

- 14 Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.

	1	x	24 2/3	x	26	641 Sft
	1	x	15	x	12 1/2	188 "
	1	x	15	x	12 2/3	190 "
	1	x	16	x	26	416 "
	1	x	19 3/4	x	15	296 "
	1	x	19 1/3	x	15	290 "
	1	x	11 2/3	x	10 1/4	120 "
	1	x	10	x	15	150 "
	3	x	15	x	15	675 "
	1	x	22	x	15	330 "
	1	x	10	x	15	150 "
	2	x	15	x	15	450 "
	1	x	22 3/4	x	15	341 "
	3	x	16	x	15	720 "
	1	x	9 1/4	x	15	139 "
	1	x	15	x	16	240 "
	1	x	12	x	10	120 "
	1	x	15 1/6	x	10	152 "
	1	x	13	x	10	130 "
	1	x	15 1/4	x	10	153 "
	1	x	12 1/6	x	10	122 "
	1	x	8 2/3	x	4 1/2	39 "
	1	x	7 1/4	x	10	73 "
	4	x	16	x	14	896 "
	2	x	8	x	8 7/8	142 "
	1	x	10	x	26	260 "
	1	x	15 3/4	x	15	236 "
	1	x	17	x	15	255 "
	1	x	22	x	15	330 "
	1	x	15	x	10	150 "
	1	x	21 1/2	x	15	323 "
	1	x	11 3/4	x	15	176 "
	1	x	15	x	10	150 "
	1	x	10	x	10	100 "
Front Ver	1	x	1	x	108 1/8	1298 Sft
Middle gallery R side	1	x	2	x	90	2160 "
Middle gallery L side	1	x	2	x	79 1/2	1908 "
Middle gallery	1	x	2	x	17 1/4	414 "
	1	x	2	x	68 1/8	1635 "

Total 16556 Sft
Rs. 2811.55 P.Sft

Rs. 465470/-

- 15 Providing and fixing Stain less steel 2"x2"x1/8" (40x40x6 mm) edge protector porcelain tile on sides of door openings .complete in all respects.

97 x 6

Total 582 Rft
Rs. 400.00 P.Rft Rs. 232800/-

- 16 Removing door with chowkat.

49

Total 49 No.
Rs. 438.00 Each Rs. 21462/-

- 17 Removing windows and sky lights with chowkat.

27

Total 27 No.
Rs. 341.50 Each Rs. 9221/-

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

(i) (5.5" wide) 14 x 2 1/2 x 7 245 Sft

Total 245 Sft

@Rs. 429.75 P.Sft Rs. 105289/-

(ii) (10.50" wide) 13 x 3 x 7 273 Sft

Total 273 Sft

@Rs. 621.65 P.Sft Rs. 169710/-

- 19 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

13 x 3

x 7

273 Sft

Total 273 Sft

@Rs. 678.55 P.Sft

185244
Rs. 107107/-

- 20 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories execept locks complete in all respect as approval by the Engineer Incharge.

14 x 2 1/2

x 7

245 Sft

Total 245 Sft

@Rs. 1500 P.Sft

367500
Rs. 474440/-

- 21 Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

O.T corridor

2 x 8

x 8 1/2

136 Sft

O.T

1 x 4 1/2

x 7

32 Sft

Admin block

12 x 4

x 7

336 Sft

Total 504 Sft

@Rs. 1437.60 P.Sft

Rs. 723832/-

- 22 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

W1

9 x 6 1/2

x 4 1/2

263 Sft

W2

6 x 3

x 4 1/2

81 Sft

W3

4 x 6

x 4

96 Sft

C-W

1 x 6

x 3

18 Sft

5	x	2	x	1 1/2	15 Sft
2	x	3	x	2	12 Sft
Total					485 Sft
@Rs.					1348.40 P.Sft

Rs. 654311/-

- 23 Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / 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.

Quantity of above item	1	x	485 1/4	x	1/2	243 Sft
Total						243 Sft
@Rs.						493.05 P.Sft

Rs. 119626/-

- 24 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c 'passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars

W1 out side	7	x	6 1/2	x	4 1/2	205 Sft
W2 out side	4	x	3	x	4 1/2	54 Sft
W3	4	x	6	x	4	96 Sft
C-W	1	x	6	x	3	18 Sft
	5	x	2	x	1 1/2	15 Sft
	2	x	3	x	2	12 Sft
Total						400 Sft
@Rs.						854.55 P.Sft

Rs. 341606/-

- 25 Removing door with chowkat.

55/20

Total	20	55 Nos.
@Rs.	438.00	Each

8760
Rs. 24090/-

- 26 PIF 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

12	x	3	x	7	252 Sft
15	x	4	x	7	420 Sft
Total					672 Sft
@Rs.					678.55 P.Sft

455986
Rs. 397478/-

- 27 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'1/2'x3'1' 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1 1/4" x 1" and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 7.5mm thick

Changing	1	x	15	x	12 1/2	188 "
Sterilize	1	x	15	x	12 2/3	190 "
	1	x	15	x	12	180 "
Entrance OT	1	x	13	x	15	195 "
X Ray	1	x	15	x	15	225 "
Sterilization Room	1	x	16	x	15	240 "
Front Ver	1	x	1	x	108 1/8	1298 Sft
Middle gallery R side	1	x	2	x	90	2160 "

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

Rs. 167821/-

Main OT	1	x	24 2/3	x	26	641 Sft
OT	1	x	16	x	26	416 "
Eye OT	1	x	16	x	15	240 "

Total	1297 Sft
@Rs.	800.00 P.Sft

648500
Rs. 1467670/-

29. P/F SMD lights ^{5 13} 8" dia / watt.comlete in all respect.

~~400~~ 300

Total
Rs.

300

400 No.

~~300~~ 400 Nos.

~~660.00~~ Each

1470

441000

Rs. ~~264000/-~~

30 Distemper one Coat on old surface.

1	x	19 3/4	x	15	296 "
1	x	19 1/3	x	15	290 "
1	x	11 2/3	x	10 1/4	120 "
1	x	10	x	15	150 "
2	x	15	x	15	450 "
1	x	22	x	15	330 "
1	x	10		15	150 "
2	x	15	x	15	450 "
1	x	22 3/4	x	15	341 "
1	x	16	x	15	240 "
1	x	9 1/4	x	15	139 "
1	x	15	x	16	240 "
1	x	12	x	10	120 "
1	x	15 1/6	x	10	152 "
1	x	13	x	10	130 "
1	x	15 1/4	x	10	153 "
1	x	12 1/6	x	10	122 "
1	x	8 2/3	x	4 1/2	39 "
1	x	7 1/4	x	10	73 "
4	x	16	x	14	896 "
2	x	8	x	8 7/8	142 "
1	x	10	x	26	260 "
1	x	15 3/4	x	15	236 "
1	x	17	x	15	255 "
1	x	22	x	15	330 "
1	x	15	x	10	150 "
1	x	21 1/2	x	15	323 "
1	x	11 3/4	x	15	176 "
1	x	15	x	10	150 "
1	x	10	x	10	100 "

Total

7001 Sft

@

561.30 %Sft

Rs. 39298/-

31 Preparing surface and painting with emulsion paint two coat after scraping old surface.

1	x	2	(	19 3/4	+	15	)	11 1/2	799 "
1	x	2	(	19 1/3	+	15	)	11 1/2	790 "
1	x	2	(	11 2/3	+	10 1/4	)	11 1/2	504 "
1	x	2	(	10	+	15	)	11 1/2	575 "
1	x	2	(	15	+	15	)	11 1/2	690 "
1	x	2	(	22	+	15	)	11 1/2	851 "
1	x	2	(	10	+	15	)	11 1/2	575 "
1	x	2	(	15	+	15	)	11 1/2	690 "
3	x	2	(	22 3/4	+	15	)	11 1/2	2605 "
1	x	2	(	16	+	15	)	11 1/2	713 "
1	x	2	(	9 1/4	+	15	)	11 1/2	558 "
2	x	2	(	15	+	16	)	11 1/2	1426 "
1	x	2	(	12	+	10	)	11 1/2	506 "
3	x	2	(	15 1/6	+	10	)	11 1/2	1737 "
1	x	2	(	13	+	10	)	11 1/2	529 "
1	x	2	(	15 1/4	+	10	)	11 1/2	581 "
1	x	2	(	12 1/6	+	10	)	11 1/2	510 "
1	x	2	(	8 2/3	+	4 1/2	)	11 1/2	303 "
1	x	2	(	7 1/4	+	10	)	11 1/2	397 "
1	x	2	(	16	+	14	)	11 1/2	690 "
1	x	2	(	8	+	8 7/8	)	11 1/2	388 "
1	x	2	(	10	+	26	)	11 1/2	828 "
1	x	2	(	15 3/4	+	15	)	11 1/2	707 "
4	x	2	(	17	+	15	)	11 1/2	2944 "
2	x	2	(	22	+	15	)	11 1/2	1702 "

	1	x	2	(	15	+	10	)	11 1/2	575 "
	1	x	2	(	21 1/2	+	15	)	11 1/2	840 "
	1	x	2	(	11 3/4	+	15	)	11 1/2	615 "
	1	x	2	(	15	+	10	)	11 1/2	575 "
	1	x	2	(	10	+	10	)	11 1/2	460 "
Main OT dado	1	x	2	(	24 2/3	+	26	)	6	608 Sft
OT	1	x	2	(	16	+	26	)	6	504 "
Eye OT	1	x	2	(	16	+	15	)	6	372 "
Changing	1	x	2	(	15	+	12 1/2	)	6	330 "
Sterilize	1	x	2	(	15	+	12 2/3	)	6	332 "
	1	x	2	(	15	+	12	)	6	324 "
Entrance OT	1	x	2	(	13	+	15	)	6	336 "
X Ray	1	x	2	(	15	+	15	)	6	360 "
Sterilization Room	1	x	2	(	16	+	15	)	6	372 "
Front Ver	1	x	1	x	108 1/8				6	649 "
Middle gallery R side	1	x	2	x	90				6	1080 "
Middle gallery L side	1	x	2	x	79 1/2				6	954 "
Middle gallery	1	x	2	x	17 1/4				6	207 "
	1	x	2	x	68 1/8				6	818 "
Pillars	14	x	3	x	1 1/8				6	284 "
Total										33190 Sft
1,151.55 + 883.1 + 761.9 @Rs.										2796.55 P.Sft

Rs. 928181/-

32 Dismantling brick or flagged flooring without concrete foundation.

Roof	1	x	196 3/4	x	65 1/4	α 50%	6419	12838 Sft
	1	x	46 1/4	x	39 3/8	α 50%	911	1821 Sft
Total								7330 14659 Sft
@Rs.								863.50 %Sft

63295/-
Rs. 42658/-

33 Borrowpit excavation undressed lead upto 100 ft (30 metre) in Ordinary soil

Roof	1	x	196 3/4	x	65 1/4	x	3/8 α 0.50	2407 4814 Cft
	1	x	46 1/4	x	39 3/8	x	3/8 α 0.50	342 683 Sft
Total								2749 5497 Cft
@Rs.								7111.10 %oCft

195484/-
Rs. 39091/-

34 Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

Roof	1	x	196 3/4	x	65 1/4		6419	12838 Sft
	1	x	46 1/4	x	39 3/8		911	1821 Sft
Total								7330 14659 Sft
@Rs.								11627.55 %Sft

852291/-
Rs. 1704486/-

35 Providing, laying, cutting, jointing, testing and disinfecting PS 3051 Providing and installing specials PVC/ uPVC pipe line with 'B' Class working pressure BS 3505 and valves is not included in the pipe, in trenches, complete in all respects:-

h) 4" i/d (100 mm)	1	x				256	256 Rft
Total							256 Rft
@Rs.							440.65 P.Rft

Rs. 112806/-

36 Providing and installing P.V.C. bends, of B.S.S.

	1	x		x		16	16 No
Total							16 No
@Rs.							543.55 Each

Rs. 8697/-

37 Providing and installing P.V.C. tees, of B.S.S.

	1	x		x		16	16 No
Total							16 No
@Rs.							1586.00 Each

Rs. 25376/-

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

Front	1	x	241		x	16	3856 Sft
Sides	2	x	69 1/4		x	16	2216 "
Back side	2	x	84 1/4		x	16	2696 "
	2	x	41 5/8		x	16	1332 "
Total							10,100 Sft

Old Opening

W1 out side	7	x	6 1/2	x	4 1/2	205 Sft
W2 out side	4	x	3	x	4 1/2	54 "
W3	4	x	6	x	4	96 "
C-W	1	x	6	x	3	18 "
	5	x	2	x	1 1/2	15 "
	2	x	3	x	2	12 "
Ver opening	15	x	8 1/2	x	8	1020 "
Porch	2	x	12	x	10	240 "
	1	x	20	x	10	200 "
					Total	1860 Sft
	(10,100		1859 3/4	)	N.Total	8240 Sft

39. Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght. ratio 1:2

Taking Quantity of above item

Total 8240 Sft

40. Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: Two coat on new surface.

Taking Quantity of above item

Total 8240 Sft

3,319.85 +

1,925.45

@

5245.30 %Sft

Rs. 432226/-

D/d cost old material

Total Rs. 19700592/-

(i) Tile	14659 x	3.55 x	6050% =	31224	140508
			@	26020	117089
(ii) Tile Bats	14659 x	0.125 x	4050% =	4500	18375
			@	733	22905
(iii) Old Doors	Solid Flush Door with chankit		@	2500	453810
			@ P.SFT	2161 SFT 40	24500
(iv) Old Windows	Box section windows with M.S grill		@ P.SFT	500 210	105245
			@ P.SFT	485 SFT 27	54000
			@ P.SFT	2000 217	54000
			Total	248494	717886

717886 Total Rs. 248494/-
18806540
TOTAL Rs. 19572098/-
SAY Rs. 49572000/-
18807000

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Sub Division
Bahawalnagar.

o Solid Flush Door. 2161 SFT @ 80 P.SFT. 172880

o Angle Iron chankit. 2161 x 1.296 kg/SFT @ 100 P/kg. 280066
452946/2161 SFT = 210 P

o Box section windows. 485 x 1.17 kg/SFT @ 100 P/kg. 56745

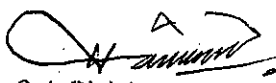
o M.S Grill. 485 x 1 kg/SFT @ 100 P/kg. 48500
105245/485 SFT = 217 P

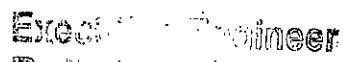
(ADMIN & OPERATION THEATHER BLOCK)

INTERNAL ELECTRIFICATION

Sr No.	Item. No.	Description	Unit	Estimated Quantity	Rate	Amount
1		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials				
	i)	20mm	Rft	5700	81.70	465,690
	ii)	25mm	Rft	2000	94.60	189,200
2		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)				
	i)	(3/0.029")	Rft	23000	25.7	591,100
	ii)	(7/0.029")	Rft	8220	40.75	334,965
	(iii)	(7/0.036")	Rft	4150	52.65	218,498
A		Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts.				
	i)	(7/0.064") Twin Core for Service cable	Rft	320	306.30	98,016
3		P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
	(ii)	02 Gange	Each	28	634.50	17,766
	(i)	04 Gange	Each	28	802.5	22,470
	(iii)	06 Gange	Each	30	1,162.50	34,875
	(viii)	Three Pin Power Plug 15-32 Amp	Each	22	754.50	16,599
	(vi)	Fan Dimmer	Each	22	598.50	13,167
	(iv)	Three pin Light Plug 10/13 Amp.	Each	20	610.50	12,210
4		Supply and erection of ceiling rose, bakelite.	Each	40	66.30	2,652
7		Supply and erection of button holder. bakelite large size	Each	90	53.75	4,838
9		Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") 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.	Job	2	9592.45	19,185
10		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.	Each	6	4453	26,718
11		Providing and fixing at site of work Braacket fan 18" sweep 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.	Each	2	5000	10,000
		TOTAL=				2,077,948
		SAY=				2,078,000


Sub Engineer


Sub Divisional Officer
Building Sub Division
Bahawalnagar

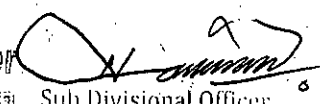

Executive Engineer
Building Sub Division
Bahawalnagar

Provision of Plumbing, Sanitary Installation

Sr. No.	Description	Qty	Unit	Rate/unit	Amount
1	P/L,testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex/Popular/Betaorequivalent) with specified pressure rating PN(PRESSURENOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent ,specials ,making jharries complete in all respects as approved and directed by Engineer Incharge				
(i)	(3/4") 25 mm	220	Rft	57.95 P.Rft	Rs. 12749/-
(ii)	(1") 32 mm	110	Rft	93.65 P.Rft	Rs. 10302/-
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.white, with pedestal	4	No	5,169.95 Each	Rs. 20680/-
3	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower	6	No	2228.75 Each	Rs. 13373/-
4	Providing and fixing chromium plated tee stop cock 15mm (1/2").	12	No	955.00 Each	Rs. 11460/-
5	P/F glazed earthen ware water closet,squatter-type (Orisa pattern), combined with foot rest i/c "P" trap 4" glazed	2	No	2741.40 Each	Rs. 5483/-
6	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP/rubber connection ,thimble ,normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	No	19987.90 Each	Rs. 79952/-
7	Providing, fixing, testing and commissioning of p-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all-respect as approved and directed by the Engineer Incharge.4" dia Type (SDR 32.5/SN-8)	130	Rft	260.60 P.Rft	Rs. 33878/-
8	P/F glazed earthen ware wash hand basin 22"x16" with pedestal (v) Under Counter Vanity Basin	2	No	7329.95 Each	Rs. 14660/-
9	"P" trap 4" glazed	4	No	283.10 Each	Rs. 1132/-
10	P/F C.P bib cock 1/2" dia	15	No	775.00 Each	Rs. 11625/-
11	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete	2	No	2649.00 Each	Rs. 5298/-
12	P/F Muslim shower	4	No	2250.00 Each	Rs. 9000/-

Total Rs. Rs. 229591/-
Say Rs. Rs. 229600/-


Sub Engineer


Executive Engineer
Sub Divisional Officer
Buildings Sub Division
Bahawalnagar.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DHQ HOSPITAL BAHAWALNAGAR

(CARDIAC BLOCK)

1 Dismantling glazed or encaustic tiles, etc.

2	x	16 3/4	x	16		536 Sft
1	x	8	x	16 3/8		131 "
7	x	5	x	3 1/2		123 "
1	x	18	x	32		576 "
1	x	18	x	12		216 "
2	x	4	x	13 1/4		106 "
2	x	11 1/4	x	24		540 "
2	x	4	x	10		80 "
4	x	18	x	24		1728 "
2	x	18	x	32		1152 "
1	x	4 1/2	x	6		27 "
2	x	4 3/4	x	5 1/2		52 "
1	x	7 1/2	x	13 1/4		99 "
1	x	7	x	10		70 "
2	x	18	x	16		576 "
1	x	8	x	12		96 "
1	x	20	x	69 1/2		1390 "
1	x	137 1/8	x	10		1371 "
2	x	2	(	16 3/4	+	16) 7 917 "
1	x	2	(	8	+	16 3/8) 1/2 24 "
7	x	2	(	5	+	3 1/2) 7 833 "
1	x	2	(	18	+	32) 6 600 "
1	x	2	(	18	+	12) 6 360 "
2	x	2	(	4	+	13 1/4) 1/2 35 "
2	x	2	(	11 1/4	+	24) 1/2 71 "
2	x	2	(	4	+	10) 7 392 "
4	x	2	(	18	+	24) 1/2 168 "
2	x	2	(	18	+	32) 6 1200 "
1	x	2	(	4 1/2	+	6) 7 147 "
2	x	2	(	4 3/4	+	5 1/2) 7 287 "
1	x	2	(	7 1/2	+	13 1/4) 1/2 21 "
1	x	2	(	7	+	10) 1/2 17 "
2	x	2	(	18	+	16) 6 816 "
1	x	2	(	8	+	12) 1/2 20 "
1	x	2	(	137 1/8	+	10) 6 1766 "
1	x	2	(	20	+	69 1/2) 6 1074 "

D/d

1	x	18	x	
10	x	4	x	
9	x	2 1/2	x	
1	x	5	x	

Total	47616 Sft	8748
6	108 Sft	
6	240 Sft	
6	135 Sft	
6	30 Sft	

Total	513 Sft
N.Total	47103 9774

Rs. 2335.85 %Sft Rs. 399500/-

228306

2 Dismantling Mud concrete

2	x	16 3/4	x	16	x	3/8	201 Sft
1	x	8	x	16 3/8	x	3/8	49 "
7	x	5	x	3 1/2	x	3/8	46 "
1	x	18	x	32	x	3/8	216 "
1	x	18	x	12	x	3/8	81 "
2	x	4	x	13 1/4	x	3/8	40 "
2	x	11 1/4	x	24	x	3/8	203 "
2	x	4	x	10	x	3/8	30 "
4	x	18	x	24	x	3/8	648 "
2	x	18	x	32	x	3/8	432 "
1	x	4 1/2	x	6	x	3/8	10 "
2	x	4 3/4	x	5 1/2	x	3/8	20 "
1	x	7 1/2	x	13 1/4	x	3/8	37 "
1	x	7	x	10	x	3/8	26 "
2	x	18	x	16	x	3/8	216 "

1	x	8	x	12	x	3/8	36 "
1	x	137 1/8	x	10	x	3/8	514 "
1	x	20	x	69 1/2	x	3/8	521 "

Total 3326 Cft
Rs. 2031.75 %Cft Rs. 67576/-

3 P/L watering and ramming brick ballast 1-1/2" to 2" gague mixed with 25% sand for floor foundation complete in all respects.

as per item No 2.

Total 3326 Cft
Rs. 9284.40 %Cft Rs. 308801/-

4 Providing and laying cement concrete plain.1:2:4

as per item No 3

3326

0.125 x 0.23
Total 416 1098 Cft
Rs. 31126.10 %Cft Rs. 129407/-

5 Providing and laying of Porceline full body tiles 600-mm x 600-mm Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality, Flooring (Diagonal shape / design) of approved Color and Shade laid over 3/4" thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

1	x	8	x	16 3/8	131 "
1	x	18	x	32	576 "
1	x	18	x	12	216 "
2	x	4	x	13 1/4	106 "
2	x	11 1/4	x	24	540 "
4	x	18	x	24	1728 "
2	x	18	x	32	1152 "
1	x	7 1/2	x	13 1/4	99 "
1	x	7	x	10	70 "
2	x	18	x	16	576 "
1	x	8	x	12	96 "
1	x	137 1/8	x	10	1371 "
1	x	20	x	69 1/2	1390 "

Total 8052 Sft
Rs. 340.50 P.Sft Rs. 2741578/-

6 Providing and laying of Porceline full body tiles 600-mm x 600-mm Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality, skirting/dado of approved Color and Shade laid over 1/2" thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

1	x	2	(	8	+	16 3/8	)	1/2	24 "
1	x	2	(	18	+	32	)	6	600 "
1	x	2	(	18	+	12	)	6	360 "
2	x	2	(	4	+	13 1/4	)	1/2	35 "
2	x	2	(	11 1/4	+	24	)	1/2	71 "
4	x	2	(	18	+	24	)	6	2016 "
2	x	2	(	18	+	32	)	6	1200 "
1	x	2	(	7 1/2	+	13 1/4	)	1/2	21 "
1	x	2	(	7	+	10	)	1/2	17 "
2	x	2	(	18	+	16	)	6	816 "
1	x	2	(	8	+	12	)	6	240 "
1	x	2	(	137 1/8	+	10	)	6	1766 "
1	x	2	(	20	+	69 1/2	)	6	1074 "

D/d

1	x	18	x
10	x	4	x
9	x	2 1/2	x
1	x	5	x

Total 8239 Sft
6 108 Sft
6 240 Sft
6 135 Sft
6 30 Sft
Total 513 Sft
N.Total 7726 Sft
Rs. 340.50 P.Sft Rs. 2630575/-

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

2	x	16 3/4	x	16	536 Sft
7	x	5	x	3 1/2	123 Sft
2	x	4	x	10	80 "
1	x	4 1/2	x	6	27 "
2	x	4 3/4	x	5 1/2	52 "

Total 818 Sft
Rs. 239.90 P.Sft Rs. 196178/-

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

2	x	2	(	16 3/4	+	16	)	7	917 Sft
7	x	2	(	5	+	3 1/2	)	7	833 "
2	x	2	(	4	+	10	)	7	392 "
1	x	2	(	4 1/2	+	6	)	7	147 "
2	x	2	(	4 3/4	+	5 1/2	)	7	287 "

Total 2576 Sft
Rs. 292.65 P.Sft Rs. 753866/-

9 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2 1/2'x3' / 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1 1/4" x 1" and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge. 7.5mm thick

Corridor	1	x	137 1/8	x	10	1371 Sft
Nursing Station	2	x	18	x	16	576 "
Waiting	1	x	18	x	12	216 "

Total 2163 Sft
@Rs. 88.95 P.Sft Rs. 192421/-

10 P/F SMD lights 5 1/3" dia / watt.complete in all respect.

440/100

Total 100 Nos.
Rs. 140.00 Each Rs. 14700/-

11 Removing door with chowkat.

26

Total 26 Nos.
Rs. 438.00 Each Rs. 11388/-

12 Providing and fixing 2" wide MS/GI Chowkatsingel/doublerebatemade of 16 SWG MS sheet pressed/ elded/supported with M.S.flat 1-1/4"x1/8" i/c 6" long M.S.Flat 1"x1/8" holdfasts (6 Nos) welded/screwed, punching of flock hole covered with MS Box, coating with antirust paint including filling with cement and mortar (1:8) and embedding holdfast in cement concrete (1:2:4), complete in all respects as approved and directed by Engineer Incharge

(10.50" wide)	8	x	4	x	7	224 Sft
	3	x	3 1/2	x	7	147 Sft
	4	x	3	x	7	252 Sft

Total 623 Sft
@Rs. 621.65 P.Sft Rs. 387288/-

13 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

8	x	4	x	7	224 Sft
3	x	3 1/2	x	7	147 Sft
4	x	3	x	7	252 Sft

Total 623 Sft
@Rs. 502.20 P.Sft Rs. 312871/-

- 14 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.

11 x 2 1/2 x 6 3/4
Total
@Rs. 186 Sft
186 Sft
712.00 P.Sft
1500

27000
Rs. 132105/-

- 15 Distemper on old surface.

2	x	16 3/4	x	16		536 Sft
1	x	8	x	16 3/8		131 "
1	x	18	x	32		576 "
1	x	18	x	12		216 "
2	x	4	x	13 1/4		106 "
2	x	11 1/4	x	24		540 "
4	x	18	x	24		1728 "
2	x	18	x	32		1152 "
1	x	7 1/2	x	13 1/4		99 "
1	x	7	x	10		70 "
2	x	18	x	16		576 "
1	x	8	x	12		96 "
1	x	137 1/8	x	10		1371 "
7	x	5	x	3 1/2		123 "
2	x	4	x	10		80 "
1	x	4 1/2	x	6		27 "
2	x	4 3/4	x	5 1/2		52 "
2	x	2	(	16 3/4 + 16	) 5	655 "
1	x	2	(	8 + 16 3/8	) 11 1/2	561 "
1	x	2	(	18 + 32	) 6	600 "
1	x	2	(	18 + 12	) 6	360 "
2	x	2	(	4 + 13 1/4	) 5	345 "
2	x	2	(	11 1/4 + 24	) 11 1/2	1622 "
4	x	2	(	18 + 24	) 6	2016 "
2	x	2	(	18 + 32	) 6	1200 "
1	x	2	(	7 1/2 + 13 1/4	) 11 1/2	477 "
1	x	2	(	7 + 10	) 11 1/2	391 "
2	x	2	(	18 + 16	) 11 1/2	1564 "
1	x	2	(	8 + 12	) 11 1/2	460 "
1	x	2	(	137 1/8 + 10	) 6	1766 "
1	x	2	(	20 + 69 1/2	) 6	1074 "
7	x	2	(	5 + 3 1/2	) 5	595 "
2	x	2	(	4 + 10	) 5	280 "
1	x	2	(	4 1/2 + 6	) 5	105 "
2	x	2	(	4 3/4 + 5 1/2	) 5	205 "

Total 21754 Sft

60% 1-Coat 60% x 21754 1/4

Total 13053 Sft

40% 2-Coats
with Scraping

40% x 21754 1/4

Total 8702 Sft

761.9 + 705.15

@ 1467.05 %Sft

Rs. 73264/-

Rs. 127658/-

- 16 Dismantling brick or flagged flooring without concrete foundation.

Roof 1 x 137 1/8 x 59 1/2
1 x 20 x 69 1/2

8159 Sft
2780 Sft
Total 10939 Sft

@Rs. 863.50 %Sft

Rs. 94458/-

- 17 Borrowpit excavation undressed lead upto 100 ft (30 metre).in Ordinary soil

Roof 1 x 137 1/8 x 59 1/2 x 3/8
1 x 20 x 69 1/2 x 3/8

3060 Cft
521 Cft
Total 3581 Cft

@Rs. 7111.10 %oCft

Rs. 25464/-

- 26
- 18 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

Roof	1	x	137 1/8	x	59 1/2		8159 Sft		
						Total	8159 Sft		
						10,842.55 + 785	@Rs.	11627.55 %Sft	Rs. 948685/-

- 19 Providing, laying, cutting, jointing, testing and disinfecting PS 3051 Providing and installing specials PVC/ uPVC pipe line with 'B' Class working pressure BS 3505 and valves is not included in the pipe, in trenches, complete in all respects:-

b)4" i/d (100 mm)	1	x				144	144 Rft		
						Total	144 Rft		
						@Rs.	440.65 P.Rft		Rs. 63454/-

- 20 Providing and installing P.V.C. bends, of B.S.S.

Roof	1	x		x		x 12	9 No		
						Total	9 No		
						@Rs.	543.55 Each		Rs. 4892/-

- 21 Providing and installing P.V.C. tees, of B.S.S.

Roof	1	x		x		x 12	9 No		
						Total	9 No		
							1586.00 Each		Rs. 14274/-

- 22 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: one coat on old surface.

	2	x	134 1/2	x	16		4304 Sft		
	2	x	69 3/4	x	16		2232 "		
						Total	6,536 Sft		
						@	1925.45 %Sft		Rs. 125847/-

- 23 Removing windows and sky lights with chowkat.

	43						43 No.		
						Total	43 Nos.		
						Rs.	341.50 Each		Rs. 14685/-

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

	1	x	6			x 8	48 Sft		
						Total	48 Sft		
						@Rs.	1437.60 P.Sft		Rs. 69005/-

- 25 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

W1	19	x	6			x 6	684 Sft		
W2	12	x	5			x 4	240 Sft		
W3	4	x	6			x 4	96 Sft		
C-W	2	x	3			x 2	12 Sft		
	5	x	2			x 1 1/2	15 Sft		
side DW 1	2	x	2			x 7	56 Sft		
						Total	1103 Sft		
						@Rs.	1348.40 P.Sft		Rs. 1487285/-

- 26 Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / 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.

Quantity of above item	1	x	1103			x 1/2	552 Sft		
						Total	552 Sft		
						@Rs.	493.05 P.Sft		Rs. 271917/-

27 Providing and fixing M.S. grill fabricated with MS. Square polished Vertical/horizontal Bars of specified size @ 4" c/c, passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars

W1	19	x	6	x	6	684 Sft
W3	4	x	6	x	4	96 Sft
C-W	2	x	3	x	2	12 Sft
	1	x	2	x	1 1/2	3 Sft
side DW 1	2	x	2	x	7	56 Sft
Total						851 Sft

@Rs. 854.55 P.Sft Rs. 727222/-

28 Providing and fixing Stain less steel 2"x2"x1/8" (40x40x6 mm) edge protector porcelain tile on sides of door openings .complete in all respects.

26	x	6	156 Rft
----	---	---	---------

Total 156 Rft
Rs. 500 400/- P.Rft Rs. 78000/-

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

W1	19	x	6	x	1 1/4	143 Sft
W2	12	x	5	x	1 1/4	75 Sft
W3	4	x	6	x	1 1/4	30 Sft
C-W	2	x	3	x	1 1/4	8 Sft
	5	x	2	x	1 1/4	13 Sft
side DW 1	2	x	2	x	1 1/4	5 Sft
Nursing Counter	1	x	7	x	2	14 Sft

Total 287 Sft
Rs. 412.30 P.Sft Rs. 118124/-
Total Rs. 1279607/-

D/d cost old material

(i) Tile	10939	x	3.55 x	60 % = 19477	23300	104850
(ii) Tile Bats	10939	x	0.125 x	40 % = 54788	@ 4500	87375
(iii) Old Doors					@ 2500	12097
(iv) Old Windows					@ 500	169880
					@ 200	15000
					@ 2000	210
					@ 2000	217
					@ 2000	217

Total 203467
527764
Total Rs. 203407/-

TOTAL 12596013
Rs. 12593407/-

SAY Rs. 12593000/-

12596000

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar.

Executive Engineer
Building Division
Bahawalnagar.

Sold Flush Door 809 8FT @ 80 P.Sft = 64720

Angle geom chankst 809 x 1.236 13/500 @ 100 P/kg = 104846
169566/809 = 210 P.Sft

Box section windows 1103 21.17 13/500 100 P/kg = 129051

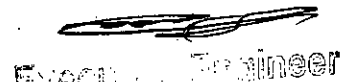
M.S Grill 1103 x 1 13/500 100 P/kg = 110300

233851 / 1103 Sft = 217 P.Sft

CARDIAC BLOCK E.I						
INTERNAL ELECTRIFICATION						
Sr No.	Item. No.	Description	Unit	Estimated Quantity	Rate	Amount
1		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials				
	i)	20mm	Rft	3700	81.70	302,290
	ii)	25mm	Rft	1000	94.60	94,600
2		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only)				
	i)	(3/0.029")	Rft	14000	25.7	359,800
	ii)	(7/0.029")	Rft	3000	40.75	122,250
	(iii)	(7/0.036")	Rft	2500	52.65	131,625
A		Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts.				
	i)	(7/0.064") Twin Core for Service cable	Rft	210	306.30	64,323
3		P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
	(ii)	02 Gauge	Each	18	634.50	11,421
	(i)	04 Gauge	Each	18	802.5	14,445
	(iii)	06 Gauge	Each	20	1,162.50	23,250
	(viii)	Three Pin Power Plug 15-32 Amp	Each	15	754.50	11,318
	(vi)	Fan Dimmer	Each	15	598.50	8,978
	(iv)	Three pin Light Plug 10/13 Amp	Each	12	610.50	7,326
4		Supply and erection of ceiling rose, bakelite.	Each	28	66.30	1,856
5		Supply and erection of button holder, bakelite large size	Each	60	53.75	3,225
6		Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") 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.	Job	2	9592.45	19,185
7		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.	Each	6	4453	26,718
8		Providing and fixing at site of work Braacket fan 18" sweep 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.	Each	2	5000	10,000
TOTAL=						1,212,609
SAY=						1,213,000


Sub Engineer

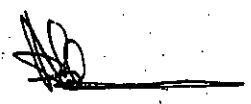

Sub Divisional Officer
Building Sub Division
Bahawalnagar

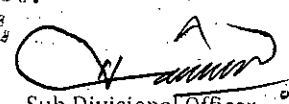

Engineer
Building Sub Division
Bahawalnagar

CARDIAC BLOCK					
Provision of Plumbing, Sanitary Installation					
Sr. No.	Description	Qty	Unit	Rate/unit	Amount
1	P/L,testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex/Popular/Beta or equivalent) with specified pressure rating PN(PRESSURE NOMINAL) and conforming to DIN8077-8078 code i/c cost of solvent, specials, making jharries complete in all respects as approved and directed by Engineer Incharge				
(i)	(3/4") 25 mm	180	Rft	57.95	P.Rft Rs. 10431/-
(ii)	(1") 32 mm	92	Rft	93.65	P.Rft Rs. 8616/-
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. white, with pedestal	4	No	5,169.95	Each Rs. 20680/-
3	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower	4	No	2228.75	Each Rs. 8915/-
4	Providing and fixing chromium plated tee stop cock 15mm (1/2").	8	No	955.00	Each Rs. 7640/-
5	P/F glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest i/c "P" trap 4" glazed	4	No	2741.40	Each Rs. 10966/-
6	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	No	19987.90	Each Rs. 79952/-
7	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain./socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" dia Type (SDR 32.5/SN-8)	160	Rft	260.60	P.Rft Rs. 41696/-
6	P/F glazed earthen ware wash hand basin 22"x16" with pedestal (v) Under Counter Vanity Basin	4	No	7329.95	Each Rs. 29320/-
4	"P" trap 4" glazed	8	No	283.10	Each Rs. 2265/-
4	P/F C.P bib cock 1/2" dia	8	No	775.00	Each Rs. 6200/-
4	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete	4	No	2649.00	Each Rs. 10596/-
4	P/F Muslim shower	4	No	2250.00	Each Rs. 9000/-
4	P/F Open Type Wall Shower	2	No	18532.00	Each Rs. 37064/-

Total Rs. Rs. 283339/-
Say Rs. Rs. 283300/-

Executive Engineer
Bulk Division
Bahawalnagar.


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Bahawalnagar

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DHQ HOSPITAL BAHAWALNAGAR

(DIALYSIS BLOCK)

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

1 Dismantling glazed or encaustic tiles, etc.

WARD	3	x	20	x	20	1200 Sft
WAITING	1	x	11	x	13 1/4	146 "
NS	1	x	9 3/4	x	11	107 "
STROAGE	1	x	9 3/4	x	9	88 "
PLANT ROOM	1	x	11 1/2	x	20	230 "
DCTR ROOM	2	x	14	x	20	560 "
STORE	1	x	14	x	13 1/2	189 "
EXAM	2	x	5	x	12 1/4	123 "
COR	1	x	99 1/4	x	10	993 "
Toilet	2	x	6	x	5 1/7	62 "
	2	x	5	x	7	70 "
	2	x	6 3/4	x	5 3/4	78 "

WARD	3	x	2	(	20	+	20	)	1/2	120 "
WAITING	1	x	2	(	11	+	13 1/4	)	1/2	24 "
NS	1	x	2	(	9 3/4	+	11	)	1/2	21 "
STROAGE	1	x	2	(	9 3/4	+	9	)	1/2	19 "
PLANT ROOM	1	x	2	(	11 1/2	+	20	)	1/2	32 "
DCTR ROOM	2	x	2	(	14	+	20	)	1/2	68 "
STORE	1	x	2	(	14	+	13 1/2	)	1/2	28 "
EXAM	2	x	2	(	5	+	12 1/4	)	1/2	35 "
COR.	1	x	2	(	99 1/4	+	10	)	4	874 "
Toilet	2	x	2	(	6	+	5 1/7	)	5	223 "
	2	x	2	(	5	+	7	)	5	240 "
	2	x	2	(	6 3/4	+	5 3/4	)	5	250 "

Total 5776 Sft
Rs. 2335.85 %Sft

2 Dismantling Mud concrete

WARD	3	x	20	x	20	1/3	396 cft
WAITING	1	x	11	x	13 1/4	1/3	48 "
NS	1	x	9 3/4	x	11	1/3	35 "
STROAGE	1	x	9 3/4	x	9	1/3	29 "
PLANT ROOM	1	x	11 1/2	x	20	1/3	76 "
DCTR ROOM	2	x	14	x	20	1/3	185 "
STORE	1	x	14	x	13 1/2	1/3	62 "
EXAM	2	x	5	x	12 1/4	1/3	40 "
COR.	1	x	99 1/4	x	10	1/3	328 "
Toilet	2	x	6	x	5 1/7	1/3	20 "
	2	x	5	x	7	1/3	23 "
	2	x	6 3/4	x	5 3/4	1/3	26 "

Total 1269 Cft
Rs. 2031.75 %Cft

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

as per item No 2

Total 1269
@ 1269 Cft
9284.40 %Cft

4 Providing and laying cement concrete plain.1:2:4

as per item No 3

1269

0.125
x 0.33
Total 159
@ 31126.10 %Cft

5 Providing and laying of Porceline full body tiles 600-mmx600-mm Coral Master (CLM) Dark Polished SB SB Master or Equilant quality , Flooring (Diagonal shape / design) of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

WARD	3	x	20	x	20	1200 Sft
WAITING	1	x	11	x	13 1/4	146 "
NS	1	x	9 3/4	x	11	107 "
STROAGE	1	x	9 3/4	x	9	88 "
PLANT ROOM	1	x	11 1/2	x	20	230 "
DCTR ROOM	2	x	14	x	20	560 "
STORE	1	x	14	x	13 1/2	189 "
EXAM	2	x	5	x	12 1/4	123 "

COR.	1	x	99 1/4	x	10	993 "
W/R	2	x	6	x	5 1/7	62 "
	2	x	5	x	7	70 "
	2	x	6 3/4	x	5 3/4	78 "

3844
Total 3844 Sft
Rs. 340.50 P.Sft Rs. 1308942/-

- 6 Providing and laying of Porceline full body tiles 600-mm x 600-mm Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality, skirting/dado of approved Color and Shade laid over 1/2" thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

WARD	3	x	2	(	20	+	20	)	6	1440 "
WAITING	1	x	2	(	11	+	13 1/4	)	6	291 "
NS	1	x	2	(	9 3/4	+	11	)	6	249 "
STROAGE	1	x	2	(	9 3/4	+	9	)	1/2	19 "
PLANT ROOM	1	x	2	(	11 1/2	+	20	)	1/2	32 "
DCTR ROOM	2	x	2	(	14	+	20	)	1/2	68 "
STORE	1	x	2	(	14	+	13 1/2	)	1/2	28 "
EXAM	2	x	2	(	5	+	12 1/4	)	1/2	35 "
COR.	1	x	2	(	99 1/4	+	10	)	6	1311 "

3471
Rs. 340.50 P.Sft Rs. 1181961/-

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

Toilet	2	x	6	x	5 1/7	62 "
	2	x	5	x	7	70 "
	2	x	6 3/4	x	5 3/4	78 "
						209

Total 209 Sft
Rs. 239.90 P.Sft Rs. 50241/-

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

Toilet	2	x	2	(	6	+	5 1/7	)	5	223 "
	2	x	2	(	5	+	7	)	5	240 "
	2	x	2	(	6 3/4	+	5 3/4	)	5	250 "

Total 713 Sft
Rs. 292.65 P.Sft Rs. 208659/-

- 9 Removing door with chowkat.

17

17 No.
Total 17 Nos.
Rs. 438.00 Each Rs. 7446/-

- 10 Providing and fixing 2" wide MS/GI Chowkatsingel/doublerebatemade of 16SWGMS sheet pressed/ elded/supported with M.S. flat 1-1/4" x 1/8" i/c 6" long M.S. Flat 1" x 1/8" holdfasts (6 Nos) welded/screwed, punching of flock hole covered with MS Box, coating with anti rust paint including filling with cement and mortar (1:8) and embedding holdfast in cement concrete (1:2:4), complete in all respects as approved and directed by Engineer Incharge

(ii) (10.50" wide)	6	x	4	x	7	168 Sft
	4	x	3 1/2	x	7	196 Sft
						Total 168 Sft

Ashwood ply @Rs. 621.65 P.Sft Rs. 104437/-

- 11 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

	6	x	4	x	7	168 Sft
	4	x	3 1/2	x	7	98 Sft
						Total 266 Sft

@Rs. 502.20 P.Sft Rs. 133585/-
678.55 180484

- 12 Providing and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.

6 x 2 1/2

x 6 3/4 101 Sft
Total 101 Sft

@Rs. 1500 742.00 P.Sft

Rs. 72090/-

- 13 Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

1 x 8

x 8 64 Sft
Total 64 Sft

@Rs. 1437.60 P.Sft

Rs. 92006/-

- 14 Removing windows and sky lights with chowkat.

17

17 No.
Total 17 Nos.
Rs. 341.50 Each

Rs. 5806/-

- 15 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

W1 11 x 6
C-W 6 x 3

x 6 396 Sft
x 2 36 Sft
Total 432 Sft

@Rs. 1348.40 P.Sft

Rs. 582509/-

- 16 Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / 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.

Quantity of above item 1 x 432

x 1/2 216 Sft
Total 216 Sft

@Rs. 493.05 P.Sft

Rs. 106499/-

- 17 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 3/8" Squar Bars

W1 7 x 6
C-W 6 x 3

x 6 252 Sft
x 4 72 Sft
Total 324 Sft

@Rs. 854.55 P.Sft

Rs. 276874/-

- 18 Dismantling brick or flagged flooring without concrete foundation.

Roof 1 x 97 x 51 1/2

4996 Sft
Total 4996 Sft

@Rs. 863.50 %Sft

Rs. 43136/-

- 19 Borrowpit excavation undressed lead upto 100 ft (30 metre).in Ordinary soil

Roof 1 x 97 x 51 1/2 x 3/8

1873 Cft
Total 1873 Cft

@Rs. 7111.10 %oCft

Rs. 13321/-

- 20 Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab; provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

Roof 1 x 97 x 51 1/2

4996 Sft
Total 4996 Sft

@Rs. 11627.55 %Sft

Rs. 580854/-

- 21 Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)

Roof 1 x x x 9

9 No
Total 9 No

@Rs. 854.35 Each

Rs. 7689/-

- 22 Providing, laying, cutting, jointing, testing and disinfecting PS 3051 Providing and installing specials PVC/uPVC pipe line with 'B' Class working pressure BS 3505 and valves is not included in the pipe, in trenches, complete in all respects:-

b)4" i/d (100 mm)	1	x			144	144 Rft	
					Total	144 Rft	
					@Rs.	440.65 P.Rft	Rs. 63454/-

- 23 Providing and installing P.V.C. bends, of B.S.S.

Roof	1	x		x	9	9 No	
					Total	9 No	
					@Rs.	543.55 Each	Rs. 4892/-

- 24 Providing and installing P.V.C. tees, of B.S.S.

Roof	1	x		x	9	9 No	
					Total	9 No	
						1586.00 Each	Rs. 14274/-

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

Front	2	x	100 1/2	x	16	3216 Sft	
Sides	1	x	53 3/4	x	16	860 "	
					Total	4,076 Sft	
Dld Opening							
	7	x	6	x	6	252 Sft	
	6	x	3	x	2	72 Sft	
	1	x	8	x	8	192 Sft	
					Total	516 Sft	
			(4.076 - 516)		N.Total	3560 Sft	
					@	660.00 %Sft	Rs. 23496/-

- 26 Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght. ratio 1:2

Taking Quantity of above item					Total	3560 Sft	
					@	3516.15 %Sft	Rs. 125175/-

- 27 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: one coat on old surface.

Front	2	x	100 1/2	x	16	3216 Sft	
Sides	1	x	53 3/4	x	16	860 "	
					Total	4,076 Sft	
Dld Opening							
	7	x	6	x	6	252 Sft	
	6	x	3	x	2	72 Sft	
	1	x	8	x	8	192 Sft	
					Total	516 Sft	
			(4.076 - 516)		N.Total	3560 Sft	
					@	1925.45 %Sft	Rs. 68546/-

- 28 Distemper on old surface.

WARD	3	x	20	x	20	1200 Sft	
WAITING	1	x	11	x	13 1/4	146 "	
NS	1	x	9 3/4	x	11	107 "	
STROAGE	1	x	9 3/4	x	9	88 "	
PLANT ROOM	1	x	11 1/2	x	20	230 "	
DCTR ROOM	2	x	14	x	20	560 "	
STORE	1	x	14	x	13 1/2	189 "	
EXAM	2	x	5	x	12 1/4	123 "	
COR.	1	x	99 1/4	x	10	993 "	
Toilet	2	x	6	x	5 1/7	62 "	
	2	x	5	x	7	70 "	
	2	x	6 3/4	x	5 3/4	78 "	
WARD	3	x	20	+	20	1440 "	
WAITING	1	x	11	+	13 1/4	291 "	
NS	1	x	9 3/4	+	11	249 "	
STROAGE	1	x	9 3/4	+	9	431 "	
PLANT ROOM	1	x	11 1/2	+	20	725 "	
DCTR ROOM	2	x	14	+	20	1564 "	
STORE	1	x	14	+	13 1/2	633 "	
EXAM	2	x	5	+	12 1/4	794 "	
COR.	1	x	99 1/4	+	10	1311 "	
Toilet	2	x	6	+	5 1/7	223 "	
	2	x	5	+	7	240 "	

Sold Flush Door = 367 sq ft @ 8 P.L.F. = 29360

Angle Iron Chalk f = 367 x 1.267 18/54 100 P/L = 47563 / 76973 / 54 sq ft = 210 P.L.F.

Box Section Window = 432 x 1.17 18/54 100 P/L = 50544

M.S. Grill = 432 x 1 18/54 100 P/L = 43200 / 93744 / 432 sq ft = 217 P.L.F.

2 x 2 (6 3/4 + 5 3/4) 5 250 "

11994

Total 11994 Sft

60% 1-Coat

60% x 11994

Total 7196 Sft

@ 561.30 %Sft

Rs. 40393/-

40% 2-Coats
with Scraping

40% x 11994

Total 4798 Sft

@ 1467.05 %Sft

Rs. 70383/-

29 Preparing surface and painting with emulsion paint two coat after scraping old surface.

WARD	3	x	2	(	20	+	20	)	6	1440 "
WAITING	1	x	2	(	11	+	13 1/4	)	6	291 "
NS	1	x	2	(	9 3/4	+	11	)	6	249 "
STROAGE	1	x	2	(	9 3/4	+	9	)	11 1/2	431 "
PLANT ROOM	1	x	2	(	11 1/2	+	20	)	11 1/2	725 "
DCTR ROOM	2	x	2	(	14	+	20	)	11 1/2	1564 "
STORE	1	x	2	(	14	+	13 1/2	)	11 1/2	633 "
EXAM	2	x	2	(	5	+	12 1/4	)	11 1/2	794 "
COR.	1	x	2	(	99 1/4	+	10	)	6	1311 "
Toilet	2	x	2	(	6	+	5 1/7	)	5	223 "
	2	x	2	(	5	+	7	)	5	240 "
	2	x	2	(	6 3/4	+	5 3/4	)	5	250 "
										8150

Total 8150 Sft

@Rs. 2796.55 %Sft

Rs. 227912/-

30 Preparing surface and painting of doors and windows
3 coat new surface

1 x 266 x 2

532

Total 532 Sft

@Rs. 2714.80 %Sft

Rs. 14443/-

31 Providing and fixing Stain less steel 2"x2"x1/8" (40x40x6 mm) edge protector porcelaine tile on
sides of door openings .complete in all respects.

18 x 6

108 Rft

Total 108 Rft

Rs. 500 400.00 P.Rft

Rs. 43200/-

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

W1	11	x	6	x	1 1/4	83 Sft
C-W	6	x	3	x	1 1/4	23 Sft

Total 105 Sft

Rs. 412.30 P.Sft

Rs. 43292/-

Total Rs. 6924300/-

D/d cost old material

(i) Tile	4996	x	3.55	x	6000% = 8807	47885
					@ 4500	39902
(ii) Tile Bats	4996	x	0.125	x	4000% = 250312	6250
					@ 2500	7805
(iii) Old Doors	Solid Flush Door with chnelt				367 Sft 47	77070
					@ 14500 210	8500
(iv) Old Windows	Box section window with m.s grill				432 Sft 47	93744
					@ 2000 217	34000
					Total	90207

224940

Total Rs. 90207/-

N.TOTAL

Rs. 5834093/-

SAY

Rs. 5834000/-

5836000

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

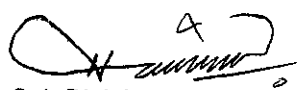
Executive Engineer
Building Sub Division
Bahawalnagar.

DIALYSIS BLOCK

INTERNAL ELECTRIFICATION

Sr No.	Item. No.	Description	Unit	Estimated Quantity	Rate	Amount
1		Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials				
	i)	20mm	Rft	1700	81.70	138,890
	ii)	25mm	Rft	500	94.60	47,300
2		Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batter/wooden casing and capping/G.I wire/trenches (rate for cables only)				
	i)	(3/0.029")	Rft	7000	25.7	179,900
	ii)	(7/0.029")	Rft	1500	40.75	61,125
	(iii)	(7/0.036")	Rft	1250	52.65	65,813
A		Supply and erection of copper-conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts.				
	i)	(7/0.064") Twin Core for Service cable	Rft	190	306.30	58,197
3		P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge				
	(ii)	02 Gange	Each	9	634.50	5,711
	(i)	04 Gange	Each	9	802.5	7,223
	(iii)	06 Gange	Each	10	1,162.50	11,625
	(viii)	Three Pin Power Plug 15-32 Amp	Each	11	754.50	8,300
	(vi)	Fan Dimmer	Each	15	598.50	8,978
	(iv)	Three pin Light Plug 10/13 Amp	Each	8	610.50	4,884
4		Supply and erection of ceiling rose, bakelite.	Each	12	66.30	796
5		Supply and erection of button holder. bakelite large size	Each	40	53.75	2,150
6		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.	Job	2	9592.45	19,185
7		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.	Each	6	4453	26,718
8		Providing and fixing at site of work Braacket fan 18" sweep 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.	Each	2	5000	10,000
				TOTAL=		656,792
				SAY=		657,000


Sub Engineer


Sub Divisional Officer
Building Sub Division
Bahawalnagar


Executive Engineer
Building Division
Bahawalnagar.

**ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DHQ
HOSPITAL BAHAWALNAGAR**

(MOURTURY BUILDING)

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

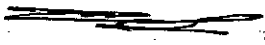
ABSTRACT OF COST

1	Cost of Main Building.	Rs:	46500 456000
2	Cost of Electric Work	Rs:	14000
3	Raising of Boundary Wall	Rs:	78000

Total	Rs:	548000 557000
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Sub Engineer


Sub Divisional Officer
Buildings Sub Division,
Bahawalnagar


Executive Engineer
Buildings Sub Division
Bahawalnagar.

DIALYSIS BLOCK

Provision of Plumbing, Sanitary Installation

Sr. No.	Description	Qty	Unit	Rate/unit	Amount
1	P/L, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex/Popular/Beta or equivalent) with specified pressure rating PN(PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respects as approved and directed by Engineer Incharge.				
(i)	(3/4") 25 mm	180	Rft	57.95	P.Rft Rs. 10431/-
(ii)	(1") 32 mm	92	Rft	93.65	P.Rft Rs. 8616/-
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. white, with pedestal	2	No	5,169.95	Each Rs. 10340/-
3	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower	2	No	2228.75	Each Rs. 4458/-
4	Providing and fixing chromium plated tee stop cock 15mm (1/2").	2	No	955.00	Each Rs. 1910/-
5	P/F glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest i/c "P" trap 4" glazed	2	No	2741.40	Each Rs. 5483/-
6	Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	4	No	19987.90	Each Rs. 79952/-
7	Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex/Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" dia Type (SDR 32.5/SN-8)	170	Rft	260.60	P.Rft Rs. 44302/-
8	P/F glazed earthen ware wash hand basin 22"x16" with pedestal (v) Under Counter Vanity Basin	4	No	7329.95	Each Rs. 29320/-
9	"P" trap 4" glazed	14	No	283.10	Each Rs. 3963/-
10	P/F C.P bib cock 1/2" dia	7	No	775.00	Each Rs. 5425/-
11	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete	2	No	2649.00	Each Rs. 5298/-
12	P/F Muslim shower	2	No	2250.00	Each Rs. 4500/-
13	P/F Open Type Wall Shower	2	No	18532.00	Each Rs. 37064/-

Total Rs. Rs. 251061/-

Say Rs. Rs. 251100/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Bahawalnagar

(MOURTURY BUILDING)

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

1 Dismantling brick or flagged flooring without concrete foundation.

Roof	1	x	16	x	14			224 Sft	
							Total	224 Sft	
							@Rs.	863.50 %Sft	Rs. 1934/-

2 Borrowpit excavation undressed lead upto 100 ft (30 metre).in Ordinary soil

Roof	1	x	16	x	14	x	3/8	84 Cft	
							Total	84 Cft	
							@Rs.	7111.10 %oCft	Rs. 597/-

3 Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

Roof	1	x	16	x	14			224 Sft	
							Total	224 Sft	
							@Rs.	11627.55 %Sft	Rs. 26046/-

4 Dismantling cement concrete plain.1:2:4

Mourtury	1	x	16	x	14	x	1/8	28 Cft	
	1	x	4	x	1 1/8	x	1/8	1 "	
Doctor Room	1	x	11	x	8 1/6	x	1/8	11 "	
	1	x	3	x	1 1/8	x	1/8	0.4 "	
							Total	40 Cft	
							Rs.	11174.60 %Cft	Rs. 4494/-

5 Dismantling Mud concrete

Mourtury	1	x	16	x	14	x	3/8	84 Cft	
Doctor Room	1	x	11	x	8 1/6	x	3/8	34 "	
							Total	118 Cft	
							Rs.	2031.75 %Cft	Rs. 2391/-

6 P/L watering and ramming brick ballast 1-1/2" to 2" gaguge mixed with 25% sand for floor foundation complete in all respects.

as per item No 5

							Total	118	
							@	9284.40 %Cft	Rs. 10927/-

7 Providing and laying cement concrete plain.1:2:4

as per item No 4

							Total	40	
							@	31126.10 %Cft	Rs. 12517/-

8 Providing and laying of Porcelaine full body tiles 600-mmx600-mm Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality , Flooring (Diagonal shape / design) of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

Mourtury	1	x	16	x	14			224 Sft	
	1	x	4	x	1 1/8			5 "	
Doctor Room	1	x	11	x	8 1/6			90 "	
	1	x	3	x	1 1/8			3 "	
							Total	322 Sft	
							Rs.	340.50 P.Sft	Rs. 109543/-

9 Removing Cement Plaster

Mourtury	1	x	2	x	16	+	14	)x	5	300 Sft	
Doctor Room	1	x	2	x	11	+	8 1/6	)x	5	192 "	
							Total	492 Sft			
							Rs.	423.30 %Sft			Rs. 2081/-

- 39
- 10 Providing and laying of Porcelaine full body tiles 600-mmx600-mm-Coral Master (CLM) Dark Polished SB SB Master or Equivilant quality, skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge

Mourturny	1	x	2	x(	16	+	14	)x	5	300 Sft
Doctor Room	1	x	2	x(	11	+	8 1/6	)x	1/2	19 "

Total 319 Sft
Rs. 340.50 P.Sft

Rs. 108676/-

- 11 Removing door with chowkat.

1 No.
Total 1 Nos.
Rs. 438.00 Each

Rs. 438/-

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

(i) Doctor room(5.5 "wide)	1	x	3	x	7	21 Sft
						Total 21 Sft
						@Rs. 429.75 P.Sft

Rs. 9025/-

(ii) Mourturny (10.50 "wide)	1	x	4	x	7	28 Sft
						Total 28 Sft
						@Rs. 621.65 P.Sft

Rs. 17406/-

- 13 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

Doctor room	1	x	3	x	7	21 Sft
Mourturny	1	x	4	x	7	28 Sft
						Total 49 Sft
						@Rs. 678.55 P.Sft

Rs. 24600/-

- 14 Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'1/2'x3' 3'x3'of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1 1/4" x 1"and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I/Copper wire 16.SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.7.5mm thick

Mourturny	1	x	16	x	14	224 Sft
Doctor room	1	x	11	x	8 1/6	90 Sft
						Total 314 Sft
						@Rs. 88.95 P.Sft

Rs. 27916/-

- 15 P/F SMD lights 3" dia 7 watt.complete in all respect.

12

12 No.
Total 12 Nos.
Rs. 660.00 Each

Rs. 7920/-

- 15 Distemper on old surface.

Mourturny	1	x	2	x(	16	+	14	)x	11	660 Sft
Mourturny	1	x	2	x(	16	+	14	)x	6	360 "
Doctor Room	1	x	2	x(	11	+	8 1/6	)x	6	230 "
Ver	1	x	2	x(	13 1/4	+	8 1/6	)x	11	471 "
Store	1	x	2	x(	8 1/6	+	7 3/8	)x	11	342 Sft
					16	x	14			224 Sft
					13 1/4	x	8 1/6			108 "
					8 1/6	x	7 3/8			60 Sft

Total 2456 Sft

- (i) 60% 1-Coat 60% x 2455 5/9

Total 1473 Sft
@ 561.30 %Sft

Rs. 8270/-

40% 2-Coats
(ii) with Scraping 40% x 2455 5/9 Total 982 Sft
761.9 + 705.15 @ 1467.05 % Sft Rs. 14410/-

16. Painting old surface

Preparing surface and painting of doors and windows any type i/c edges 1-coats.

D1	1	x	2	x	4	x	7	56.00	"
	1	x	2	x	3	x	7	42.00	"
Total								98	Sft
@								947.65	% Sft

Rs. 929/-

17. Preparing surface and painting of doors and windows any type 03 coats new surface.

D1	1	x	2	x	4	x	7	56.00	"
	1	x	2	x	3	x	7	42.00	"
Total								98	Sft
@								2714.80	% Sft

Rs. 2661/-

18. Painting old surface

Preparing surface and painting of sashes and fan light any type i/c edges 1-coats.

	2	x	3	x	3	x	4	72.00	"
Total								72	Sft
@								550.60	% Sft

Rs. 396/-

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

	2	x	35	x	14		980 Sft
	2	x	25 1/2	x	14		714 "
Total							1,694 Sft
@							1925.45 % Sft

Rs. 32617/-

20. Bath tub

1	x		0 No.
Total			0 Nos.
Rs.			Each

Rs. /-

21. Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasil waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. 4" dia Type (SDR 32.5/SN-8)

20		20 Rft
Total		20 Rft
Rs.		260.60 Rft

Rs. 5212/-

22. Providing/fixing stair railing consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4" high @ 5 1/2" c/c fixed in steps of stair i/c painting 3 coats complete.

24		24 Rft
Total		24 Rft
Rs.		1061.90 Rft

Rs. 25486/-

TOTAL	Rs. 458499/-
SAY	Rs. 458000/-

46500

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Sub Division
Bahawalnagar

51

INTERNAL ELECTRIFICATION

Sr No.	Item No.	Description	Unit	Estimated Quantity	Rate	Amount
1		Supply and erection of single core PVC insulated copper conductor cables in pre-laid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches. (rate for cables only)				
	i)	(3/0.029")	Rft	200	25.7	5,140
	ii)	(7/0.029")	Rft	100	40.75	4,075
2		Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.				
	ii)	(7"x4")	Each	2	372.25	745
	iii)	(9"x4")	Each	2	478.3	957
3		Supply and erection of ceiling rose, bakelite.	Each	3	66.30	199
4		Supply and erection of switches 5 Amp piano type	Each	20	72.00	1,440
5		Supply and erection of 3 pin, 5 Amp wall socket, (recessed type).	Each	5	90.20	451
6		Supply and erection of 3 pin, 15 Amp wall socket, (recessed type).	Each	5	134.10	671
7		Supply and erection of button holder, bakelite large size	Each	6	53.75	323
				TOTAL=		13,999
				SAY=		14,000

Sub Engineer


Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Bulletin Division
Bureau of Meteorology

42

(MOURTURY BUILDING)

Raising of Boundary Wall

1 Pacca brick work other than building upto 10ft. (3 m) height. Ratio 1:5

1	x	19 3/4	x	3/4	x	2	30 Cft
1	x	33	x	3/4	x	2	50 Cft
1	x	15	x	3/4	x	2	23 Cft

Total 102 Cft
@Rs. 29571.10 %Cft ✓ Rs. 30052/-

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

1	x	19 3/4	x	2 3/4	54 Sft
1	x	33	x	2 3/4	91 Sft
1	x	15	x	2 3/4	41 Sft

Total 186 Sft
@Rs. 3241.60 %Sft ✓ Rs. 6040/-

3 Cement pointing struck joints, on walls, upto 20' (6.00 m) height: ratio 1:2 with redoxide pigment.

1	x	19 3/4	x	2	40 Sft
1	x	33	x	2	66 Sft
1	x	15	x	2	30 Sft

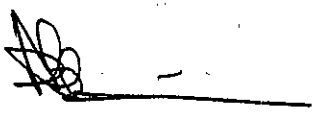
Total 136 Sft
3,516.15 + 652.5 @Rs. 4168.65 %Sft ✓ Rs. 5649/-

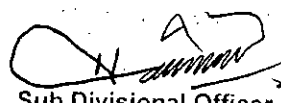
4 Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladde over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'3" high M/S angle iron post 1 1/2"x1 1/2"x3/16" embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge. 24 " diameter

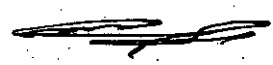
1	x	19 3/4	20	Rft
1	x	33	33	Rft
1	x	15	15	Rft

Total 68 Rft
@ 541.40 P. Rft ✓ Rs. 36680/-

TOTAL Rs. 78420/-
SAY Rs. 78000/- ✓


Sub Engineer


Sub Divisional Officer
Building Sub Division
Bahawalnagar


Executive Engineer
Bahawalnagar
Bahawalnagar.

43

**ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF DHQ HOSPITAL
BAHAWALNAGAR**

PROVISION/ELECTRIC SUB STATIONEQUIPMENT

S.#		Qty:	Unit	Rate	Amount
A	L.T. (LV) SUB-STATION EQUIPMENT:				
1	Construction of ELECTRICAL ROOM	1		As per requirement	
2	P/F floor mounted Electric Panel board of required depth and size, fabricated 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, Neutral & 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				
	(i) LT Switchboards				
	(a) 2.50 Ft deep	45	cp		
	(i) 1200A (3.0x6'x2.5')	1	each	4,377.05	196967.25
	Incoming From 630KVA 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 prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 1200A(50 KA) 1*1=1	1	each	234,034.30	234034.3
	(b) Tripple Pole 500A(36 KA) 1*1=1	1	each	62,434.30	62434.3
	(c) Tripple Pole 300A(36 KA) 1*1=1	1	each	62,434.30	62434.3
3	P/F floor mounted Electric Panel board of required depth and size, fabricated 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, Neutral & 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	45	cp		
	(i) 400A (3.0x6'x2.5')	1	each	3,492.70	157171.5
	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 prelaidd DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 300A(36 KA) 1*2=2	2	each	62,434.30	124868.6
	Outgoing breakers for MDB-1				
	(a) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094.30	36188.6
	(b) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,094.30	36,188.60
	(c) Tripple Pole 200A(36 KA) 1*2=2	2	each	39,814.30	79,628.60

S#		Qty	Unit	Rate	Amount
4	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 14S W.G.M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access extendable insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 Hz, TPN&E system having rated service short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments & accessories assembled & wired with Electrolytic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate manual change Over i/c the cost of Lock, Indication lights, thinbles, Copper Comb, Wiring, Neutral & Earth Bar, C.T's, Connectors, Relays, Door latching, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).				
	ATS (for 300 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep	1	each	3,491,792.95	3,491,792.95
	(ii) 300KVA				
	Incoming Breakers For ATS (for 300 KVA Generator and				
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/SHIMEN/ABB SWITCH/ERLAND (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 800A(36 KA) (1*1-1)	1	each	138,634.30	138,634.3
	Outgoing Breakers For ATS (for 300 KVA Generator and				
	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/SHIMEN/ABB SWITCH/ERLAND (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	17,434.30	156,908.7
5	P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 14S W.G.M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access extendable insulation class of 600 volts IP-44, incoming & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 Hz, TPN&E system having rated service short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments & accessories assembled & wired with Electrolytic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate manual change Over i/c the cost of Lock, Indication lights, thinbles, Copper Comb, Wiring, Neutral & Earth Bar, C.T's, Connectors, Relays, Door latching, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).				
	ATS (for 100 KVA Generator Transformer)				
	Incoming from Generator and ATS for dual supply				
	(b) 2.00 Ft deep	1	each	801,447.70	801,447.7
	(ii) 100KVA				
	Incoming Breakers For ATS (for 100 KVA Generator and				
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/SHIMEN/ABB SWITCH/ERLAND (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*1-1)	1	each	39,814.30	39,814.3
	Outgoing Breakers For ATS (for 100 KVA Generator and				
	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/SHIMEN/ABB SWITCH/ERLAND (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	17,434.30	156,908.7

S/#		Qty	Unit	Rate	Amount
6	P/W wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint. i/c the cost of Lock, Indication lights, Thumbble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls (complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (1 Ortho & 1 T.B & 1 Filter Clinic)				
	(ai) 12" deep	499 = 36			
	(iii) 150A (3N3X12")	20	each	13,809.80	497152.8
	Incoming Breakers for PDBs (1 Ortho & 1 T.B & 1 Filter Clinic)				
1	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCIENTIFIER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/SHIMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelat DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 150A(36 KA) (1*1-4)	4	each	18,094.30	72377.2
	Outgoing Breakers for PDBs (1 Ortho & 1 T.B & 1 Filter Clinic)				
2	Supplying, Installation and commissioning of MCCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCIENTIFIER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelat DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(10 KA) (1*1-4)	4	each	11,434.30	45737.2
	(b) Single Pole 32A(10 KA) (1*5-20)	20	each	1,299.95	25999
	(d) Single Pole 16A(10 KA) (1*5-20)	20	each	1,299.95	25999
7	P/W wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint. i/c the cost of Lock, Indication lights, Thumbble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls (complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For Medical Ward & Admin Block & PK11)				
	(ai) 12" deep	4912 = 48			
	(iii) 200A (3N3X12")	20	each	4,512.80	216614.4
	Incoming Breakers for PDBs (For Medical Ward & Admin Block)				
	Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCIENTIFIER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/SHIMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelat DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 150A(36 KA) (1*4-4)	4	each	18,094.30	72377.2
	Outgoing Breakers for PDBs (For Medical Ward & Admin Block)				
	Supplying, Installation and commissioning of MCCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCIENTIFIER GERMANY / SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelat DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(36 KA) (2*4-1)	8	each	17,434.30	139474.4
	(b) Single Pole 32A(10 KA) (5*4-20)	20	each	1,299.95	25999
	(c) Single Pole 16A(10 KA) (1*4-16)	16	each	1,299.95	20799.2
8	P/W wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint. i/c the cost of Lock, Indication lights, Thumbble, Copper Comb, Wiring, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls (complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	PDBs (For Cardiac & Surgical/F/M & HDU)				
	(ai) 12" deep				

S#		Qty	Unit	Rate	Amount
	(ii) 200A (3"x1.2") 69/12 = 48		each	4,512.80 ✓	216614.4
	Incoming Breakers for PDBs (For Cardiac & Surgical/M & HDU)				
	Supplying Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCHI/GE U.S.A / SCINIEDER GERMANY / THERASAKI				
	JAPAN/SHIMEN/ABB SWITCH/ERLAND (with fixed Thermal-Magnetic Trip) in prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(i) Tripole Pole 200A(36 KA) (1*4-1)	4	each	39,814.30 ✓	159257.2 ✓
	Outgoing Breakers for PDBs (For Cardiac & Surgical/M & HDU)				
	Supplying Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCHI/GE U.S.A / SCINIEDER GERMANY / SHIMEN GERMANY/THERASAKI				
	JAPAN/ ABB SWITCH/ERLAND in prelad DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63 A(36 KA) (1*4-1)	4	each	17,434.30 ✓	69737.2 ✓
	(b) Single Pole 32A(10 KA) (1*4-1)	16	each	1,299.95 ✓	20799.2 ✓
	(c) Single Pole 16A(10 KA) (1*4-1)	16	each	1,299.95 ✓	20799.2 ✓
	P/P wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indication lights, Thumb, Copper Comb, Wiring, Neutral & Earth Bar, Door Latching, Digital Voltmeter,Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls (complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
9	PDBs (Emergency G.F & Emergency F.F & OPD & Gynai)				
	(a) 12" deep				
	(ii) 200A (3"x1.2") 50/12 = 60		each	4,512.80 ✓	270768 ✓
	Incoming Breakers for PDBs (For Cardiac & Surgical/M & HDU)				
	Supplying Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCHI/GE U.S.A / SCINIEDER GERMANY / THERASAKI				
	JAPAN/SHIMEN/ABB SWITCH/ERLAND (with fixed Thermal-Magnetic Trip) in prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 200A(36 KA) (1*5-5)	5	each	39,814.30 ✓	199071.5 ✓
	Outgoing Breakers for PDBs (For Cardiac & Surgical/M & HDU)				
	Supplying Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCHI/GE U.S.A / SCINIEDER GERMANY / SHIMEN GERMANY/THERASAKI				
	JAPAN/ ABB SWITCH/ERLAND in prelad DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63 A(36 KA) (1*5-5)	5	each	17,434.30 ✓	87171.5 ✓
	(b) Single Pole 32A(10 KA) (1*5-20)	20	each	1,299.95 ✓	25999 ✓
	(c) Single Pole 16A(10 KA) (1*5-20)	20	each	1,299.95 ✓	25999 ✓
	P/P wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint, i/c the cost of Lock, Indication lights, Thumb, Copper Comb, Wiring, Neutral & Earth Bar, Door Latching, Digital Voltmeter,Digital Ammeter,Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls (complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
10	LDBs (For Departments)				
	(a) 6" deep 4.5				
	(ii) 63A (18"x24"x6") 186		each	18,691.40 ✓	84111.3 ✓
	Incoming Breakers for LDBs (For Departments)				
	Supplying Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCHI/GE U.S.A / SCINIEDER GERMANY / THERASAKI				
	JAPAN/SHIMEN/ABB SWITCH/ERLAND (with fixed Thermal-Magnetic Trip) in prelad DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripole Pole 63A(36 KA) (1*5-5)	5	each	17,434.30 ✓	87171.5 ✓
	Outgoing Breakers for LDBs (For Departments)				

S.#		Qty:	Unit	Rate	Amount
	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 screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 32A(10 KA) (4*5-20)	20		1,299.95	25999
	(b) Single Pole 16A(10 KA) (4*5-20)	20		1,299.95	25999
	(c) Single Pole 10A(10 KA) (6*5-30)	30		1,299.95	38998.5
10	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint. i/c the cost of Lock, Indication lights, Limble, 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)				
	(a) 6" deep	4.5			
	(ii) 63A (18"x24"x6")	18	each	18,691.40	84111.3
	Incoming Breakers for LDBs (For Emergency & Genral OPD & Supplying, Installation and comissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMEN GERMAN/TERASAKI JAPAN/SIEMEN/ABB SWITZIRLAND (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*3-3)	6	each	17,434.30	104605.8
	Outgoing Breakers for LDBs (For Emergency & Genral OPD & Supplying, 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 screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Single Pole 20A(10 KA) (4*6-24)	24		1,299.95	31198.8
	(b) Single Pole 16A(10 KA) (4*6-24)	24		1,299.95	31198.8
	(c) Single Pole 10A(10 KA) (6*6-36)	36		1,299.95	46798.2
B	LT POWER CABLE.				
	1 120 mm sq (37/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	500	rft	4,634.45	2317225
	2 95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	150	rft	3,676.95	551542.5
	3 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	2,605.05	781515
	4 50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	300	rft	1,859.25	557775
	5 7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in	550	rft	160.75	88412.5
	6 7/0.91 mm (7/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in	500	rft	110.3	55150
	7 7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in	500	rft	87	43500
	8 3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in	500	rft	43.65	21825
	TOTAL				12991306


Sub Engineer.


Sub Divisional Officer,
Buildings Sub Division,
Bahawal Nagar.


Executive Engineer
Building Division
Bahawal Nagar.

DETAIL OF 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 dipped 4.5mm thick (7SWG) galvanized steel, tapped from 225mm at bottom to 100mm at top, with 1500mm x 60mm x 4mm thick dia. arm for luminaire installation, duly C.I. welded with 470x470x20mm base plate with the help of 4 no triangular stiffeners 100x350x20mm of GI sheet, with built-in junction box with shutter, i/c the cost of nuts & lag bolts, duly fixed in pre-laid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer in charge. a) Single Arm (i) 10 mtr height	1	x	15	@	106,232.75 Each = 15 Nos	1593491
2	Excavation in foundation of building, bridges and other structures, including daggelling, dressing, refilling around structure with excavated earth, watering and running lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	15	x	2.5	x	@ 2.5 x 10,677.75 = 141 Cft	1506
3	Cement concrete brick or stone ballast 1½" to 2" 50 mm) gauge, in foundation and plinth - ratio 1:6:12	15	x	2.5	x	@ 2.5 x 21,060.85 = 47 Cft	9899
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	15	x	1.75	x	@ 1.75 x 38126.10 = 92 Cft	35076
5	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting flanges, and repairing surface, etc., complete with all specials. 1" dia.	1	x	1350	-	- = 1350 Rft	127710
6	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing in cutting/G.I. wire/trenches (rate for cables only): -250/440 volts, PVC insulated.	1	x	990	@	40.75 P.Rft = 990 Rft	40343
i)	7/0.029 wire	1	x	3055	@	75.1 P.Rft = 3055 Rft	229431
ii)	7/0.044 wire						

P/S Supplying, installation and commissioning of LED Cobra-head luminaires of specified wattage and lumens conforming to IP 65, Philips/Osram/Thor with corrosion resistant die casted aluminum housing, silicon gas kiln 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 luv/Vall (i) 50 Watt with 7000 lumens approved by quality & grade etc complete in all respects as approved by the engineer incharge 03 no on each pole

8 Earthing of iron clad/aluminum switches, etc with G.L wire No. 8 SWG in G.L pipe 15 mm (1/2") dia, recessed on surface of wall and floor, complete with 1.5 metre long G.L. pipe, 50 mm (2") dia with reducing socket + to 5 metre below ground level, and 2 metre away from building plinth.

9 Providing and fixing M.S. iron box for housing main switches, made of 15 mm (1/16") thick M.S. sheet, with locking arrangement, including painting:-

10 Supply and erection of iron/aluminum clad, 500 volts main switches with kilkat 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 Tripole pole

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division,
Bahawalnagar

Executive Engineer
Buildings Sub Division
Bahawalnagar

Total 2 Nos 6,436.75 Each 12874
Say Rs: 2835.660
4340850

2 Nos 6,774.80 Each 13550
9,592.45 Each 19185
2 Nos

45 Nos 50,172.95 Each 225591
225591
2255783

DETAIL ESTIMATE OF EXTERNAL WATER SUPPLY.

- 1 Excavation of trenches for water supply pipe line in all kinds of soil except cutting rock upto 5 Ft. depth from ground level including trimming dressing the sides leveling the bed of trenches to correct grade and cutting pits for joint etc, complete in all respect.

4" Dia	1	x	400	x	2.0	x	3.50		2800 Cft.		
									2800 Cft.	@ Rs. 7622.75 P%o Cft.	Rs. 21344/-
- 2 Providing, laying, cutting, jointing, testing and disinfecting PVC Pipe of BSS with Class "B" working pressure in trenches, complete in all respects.

4" Dia	PVC Pipe Class-B		400 Rft.	@ Rs. 440.65 P. Rft.		Rs. 176260/-
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- 3 Providing and fixing air valve 2-1/2" dia (Double).

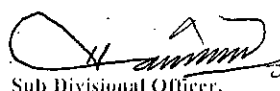
4" Dia		2 No.	@ Rs. 11458.05 Each.		Rs. 22916/-
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- 4 Back filling of trenches by rehandling of earth work lead upto a single throw of kassi phorah or shovel including mining moising afht to optimum content in layers complete. Quantity 80% of item No. 1

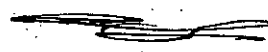
2800 Cft.	x	80/	100		2240 Cft. @ Rs. 1914.00 P%o Cft.	Rs. 4287/-
-----------	---	-----	-----	--	----------------------------------	------------

Total:- Rs. 224807/-

Say:- Rs. 225000/-


Sub Engineer.


Sub Divisional Officer,
Buildings Sub Division,
Bahawalnagar.


Executive Engineer
Buildings Division
Bahawalnagar.

Analysis of Rate for

Anti-microbial floor Gerflor flooring Ambiance ultra Anti-bacterial Anti static
performance Homogeneous flooring resistance to main chemical products used
health care installed with self leveling compound 2mm thickness.

Analysis purpose----- 10 x 10 100 Sft
Unit----- P.sft
2nd Bi- Annual 2022

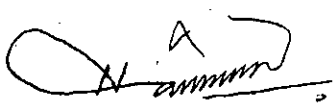
P/L Anti-microbial floor Gerflor flooring Ambiance ultra Anti-
bacterial Anti static High performance Homogeneous flooring
resistance to main chemical products used in health care
installed with self leveling compound 2mm thickness.

1	x	10	x	10	=	100	Sft
		5 % Wastages			=	5	
					Total	105	Sft
				@	1224.5	P.Sft	128572.5
				Total			128572.5
							15428.7
					G.Total		144001.2

Add 12% contractor's Profit and OHC

Rate P.Sft 144001.2 / 100 =
Say

1200/1440.012
Rs: 1440


Sub Divisional Officer
Building Sub Division
Bahawalnagar


Executive Engineer
Building Division
Bahawalnagar

Analysis of Rate for

Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas, welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer incharge.

Analysis purpose----- 10 x 10 = 100 Sft
 Unit----- P.sft
 2nd Bi- Annaual 2022

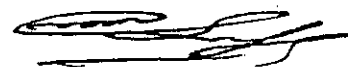
a Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels that can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas, welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer Incharge.

1	x	10	x	10	=	100	Sft
		5 % Wastages			=	5	
Total						105	Sft
@						1701	P.Sft
							178605
Total							178605
Add 12% contractor 's Profit and OHC							21432.6
G.Total							200037.6

Rate P.Sft 200037.6 / 100 = 2000
 Say P.Sft RS: 2000



Sub Divisional Officer
 Building Sub Division
 Bahawalnagar



Executive Engineer
 Buildings Division
 Bahawalnagar

5

2

P/F Non- Porous aluminium Dampa ceilling size 600mm x 600mm and 0.7mm thickness complete in all respect as approved by the Engineer Incharge.

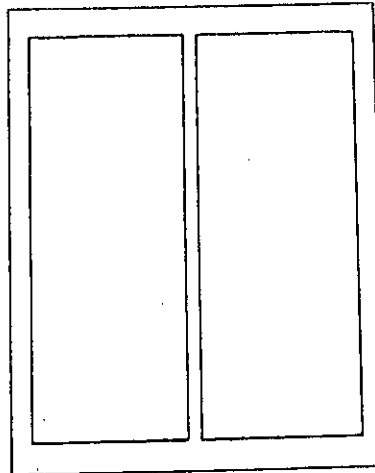
55

**Executive Engineer
Buildings Division
Bahawalnagar**

Analysis of Rate for

and fixing UPVC Doors 38mm thickness i/c Delux matching color UPVC frame matt or sh having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey d-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks in all respect as approval by the Engineer Incharge.

Unit = 2.5 x 7 = 18 Sft



COST OF MATERIAL

a) UPVC Doors 38mm thickness

1 No

1.00 No.

@ Rs. 22520 Rs. 22,520.00

Rs. 22,520.00

Contractor's 20% Profit

Rs. 4,504.00

Total

Rs. 27,024.00

TOTAL

27,024.00

Rate P. Sft = 1,501.33
Say Rs. = 1500.00

Rate adopted in the analysis are as per input rates displayed on website of Finance Department

For the rate of items not available on website but involved in Non-Standardized item rate after ascertaining personality by me from the market.

Material taken in analysis and specifications of analysis is quite economical in the work and reasonable.

Analysis is quite reasonable and recommended for approval.

Sub Divisional Officer
Building Sub Division
Bahawalnagar

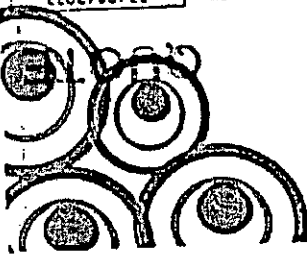
Executive Engineer
Buildings Division
Bahawalnagar

MULTI PLANNER

TRADING CORPORATION

A Medical, Industrial Equipment Sales & Service and General Order Supplier

DATE 23/08/2012
QUOTE # 0101-W11
VALID UNTIL 15-Days



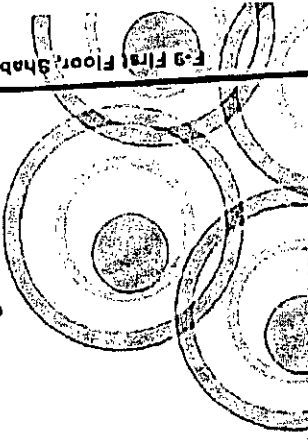
AMOUNT	QTY	Rate
9,336,600.00	2340	3990
2,085,000.00	1390	1500
1,253,760.00	1306	960
Subtotal		12,675,360.00

TOTAL Rs12,675,360.00

CONDITIONS
It will be billed after indicating acceptance of this quote
price, 30% after delivery & 10% after work completion.
or mail the signed price quote for proceeding
excluding taxes.

Thank You For Your Business!

Signature



F-9 First Floor, Shabnum Centre, Shalimar Link Road, Lahore-Pakistan, Ph: 042-36880667
Fax: 042-36880667 E-mail: mpic667@gmail.com

Signature

MEDISYS

Specialist in Medical Equipment
Laboratory Equipment Hospital Furniture
Special Gases & Pipe Line System

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QUOTATION

XEN
Bahawalnagar
DHO

Misc
Date
Alt.
Job

Qty	Description	Unit Price	Unit	Total
1390	Anti bacterial Flooring (With Installation) Anti-Bacterial, Heterogeneous flooring Anti-bacterial activity: T Group => best abrasion resistance, TVOC after 28 days < 10µg/m ³ => Thickness: 2mm	1,450.00	SQFT	2,015,500.00
2335	Anti-Bacterial Wall Panelling (With Installation) Non-porous, Easy to Clean, Sustainable formulation Thermoformable at corners for ease of Maintenance Resists to standard cleaning, disinfection and antiseptic products. (Imported) Size: 9.2 feet height x 4 feet width, Thickness: 2mm	4,050.00	SQFT	9,455,750.00
1306	Aluminum Nonprous Ceiling Size: 600mm x 600mm	1,000.00	SQFT	1,306,000.00

Terms & Conditions

Amount	12,776,250.00
17%	2,172,302.50
Total Amount	14,950,552.50

ent 80% Advance
ty 7- Days from the date of this Quotation.
Prices are with G.S.T

Company cannot be held responsible for customer imposed requirement
not Included in this quotation unless specially agreed to in writing by us.

Best regards

T. Bilal Centre, 9 Nicholson Road, Lahore - Pakistan. Tel: 0423-6310677
23-6364990 e-mail: medisys@hotmail.com, Cell: 0333-7177794

[Handwritten Signature]

CS CamScanner

		WINDOWS & DOORS FABRICATION			
MASTER WINDOWS & DOORS(Pvt.Ltd)		www.masterupvcprofiles.com			
Ve Engineer Building Division Bahawalnagar		QUOTATION DATE :	26/10/2022		
		QUOTATION No:	MUP-22/2022		
en/8uraq 60mm		EXPECTED DELIVERY DATE:	depend on order status		
		Team Leader	ali raza		
		Lead generation	ali raza		
		Size Taker	client		
Product detail	qty	Description	Total Sqft.	Price/Sqft.	Amount(PKR)
full panel door with frame and ware	1	White	18.00	1500.00	27,000
flation & carriage charges not de in it and apply according to site.					0
TOTAL					27,000

JRAQ/SKYPEN to be used and we give you gurantee for 15 years in case of color fading and cracking.

JRAQ/SKYPEN profile will be used for this project, Quotation is subject to final measurements.

TE:

ow designs are confirmed and fabrication has started changes will not be made to the window designs.

ons:

ms of Payment: -

80 % advance on confirmation of order

10% before glass fixing

10% on completion

ase make cheque in favour of Master upvc profiles & All Raza

otation validity: These prices are valid for 3 days from the date of issue.

Accessories and Hardware are Standard:

ndles, Locks, Gear Locks, Brush, Rubber Gaskets, Screws and Self Tapping Screws (Galvanized Rust Free).

eel Re-inforcement 1mm (Galvanized Rust Free Local), Screw Hole Covers, Water Hole Covers, Aluminium

ported Spacers, Imported Corners, Imported Double Tape, Imported Chemical and Imported Dow Coming

Accessories and Hardware come with two year warranty.No claim for damages due to rough usage of

efaults in the payment shall terminate the warranty.

he Quotation does not include any tax.

Folding or Ladder is required on site client is responsible to provide.

lient provide guidance to deliver material on site.

lient is responsible for providing electricity on site.

hen site is closed any breakage in glass not include in warranty.

ws & Doors Pvt. Ltd



Quotation (Option# 02)

To,
Executive Engineer,
Buildings Division,
Bahawal Nagar.

Date: 18-08-2022
Due Date: 02-09-2022
Ref No: UNI-110792

Project: D.H.Q Hospital

Sr. No.	Description	UOM	Qty.	Rate	Amount (Rs)
1	Anti-microbial Floor Gerflor Flooring Ambiance Ultra Anti-Bacterial Anti-Static Homogeneous T Group => best abrasion resistance TVOC after 28 days < 10µg/m³ => indoor air quality Exclusive and patented Evercare™ surface treatment => easy maintenance No wax for life and high stain resistance High performance homogeneous flooring Resistant to main chemical products used in healthcare. Installed with Self leveling compound Total Thickness: 2mm Roll Size: 66 x 6.6 = 430sqft	Sqft	1,390	1,200	1,668,000
2	SPM SPM Walls Panels Easy to clean Resists to 320 kg at 3 km/h impacts Size: 9.8 feet height x 4.3 feet width Non-porous 100% antibacterial material suitable for high infection risk areas Welded joints possible for perfect water tightness between panels or with vinyl flooring Resists to standard cleaning, disinfection and antiseptic products (Anios and Bioquell test reports) Bs2d0 - Heavy traffic 100% antibacterial Sustainable formulation	Sqft	2335	1850	4,319,750
3	Non-porous Ceiling System Aluminum Ceiling Non porous Size: 600mm x 600mm Thickness: 0.7mm	Sqft	1,306	750	979,500
				Amount	6,967,250.00
				G.S.T 17%	1,184,432.50
				Total Amount	8,151,682.50

Terms & Conditions

- 1- 70% advance payment 20% on delivery and balance upon completion of work.
- 2- Above prices are inclusive of G.S.T.
- 3- All civil work required will be under client's responsibility.
- 4- Final payment will be made as per actual material delivered at site after job completion.

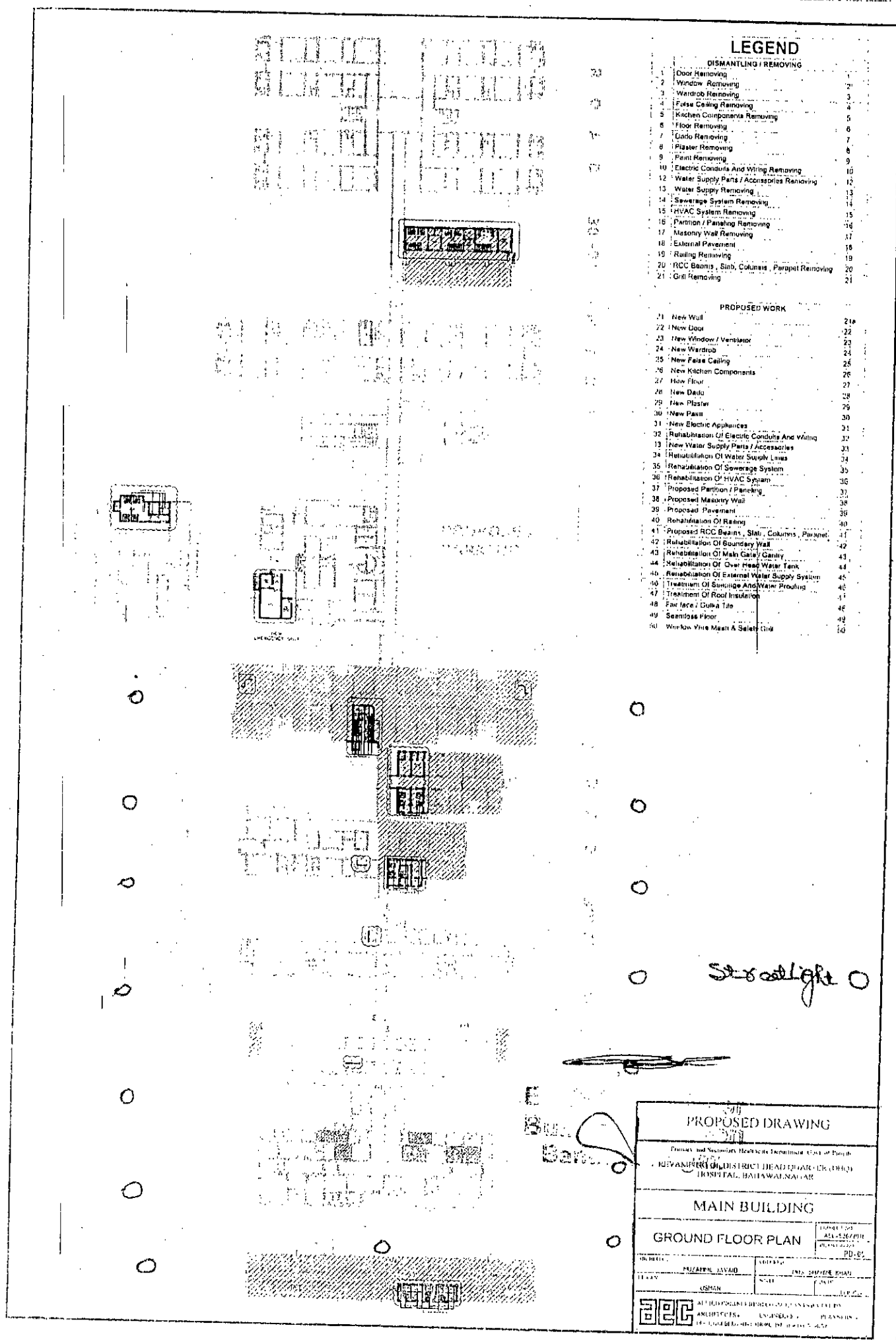
Name: Affan Kaleem
Phone No: 0321-7177794
Email: affan@unimix.com.pk

SURNAME OFFICER
BUILDINGS DIVISION
Bahawal Nagar.

389-G1, Johar Town, Lahore. Ph: 042-5136800, Fax: 0092-42-36364990.

Executive Engineer
Buildings Division
Bahawal Nagar.

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Stallight

Bul. Bar.

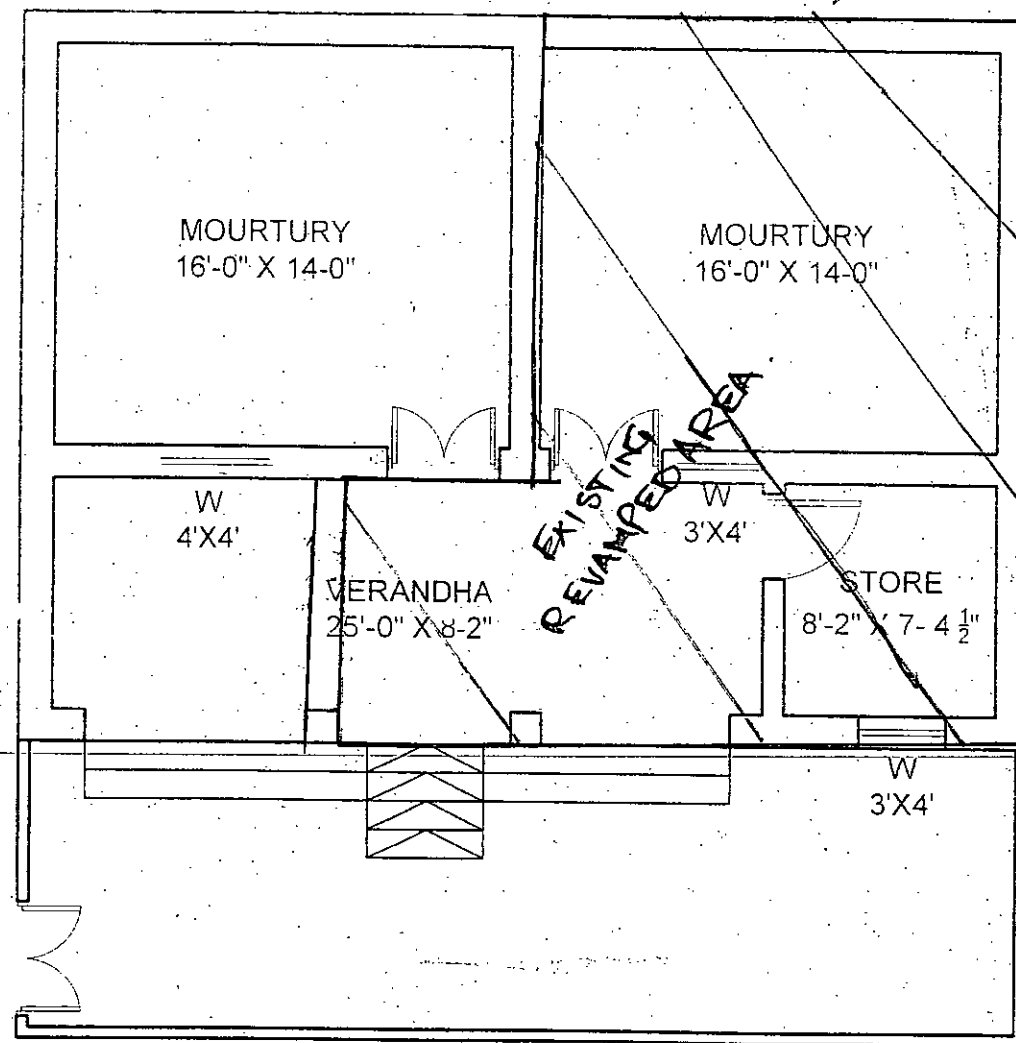
PROPOSED DRAWING	
Primary and Secondary Health Care Department, Govt of Punjab BAHAWALPUR DISTRICT HEAD QUARTERS (DHQ) HOSPITAL, BAHAWALNAGAR	
MAIN BUILDING	
GROUND FLOOR PLAN	
DATE: 10/11/2019	SCALE: 1/4" = 1'-0"
DESIGNED BY: MUHAMMAD JAWAD	CHECKED BY: (Signature)
DATE: 10/11/2019	SCALE: 1/4" = 1'-0"
APPROVED BY: (Signature)	
DATE: 10/11/2019	

ADMIN OFFICER
DHQ Hospital Bahawal Nagar

ADMIN OFFICE

2
ADDITIONAL OFFICER
DHO Hospital Bahawal Nagar

2
ADDITIONAL OFFICER
DHO Hospital Bahawal Nagar



ADDITIONAL OFFICER
DHO Hospital Bahawal Nagar

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:LO22010085
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2026-2027		2027-2028		2028-2029		2029-2030		2030-2031	
		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:LO22010085
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2026-2027		2027-2028		2028-2029		2029-2030		2030-2031	
		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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

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	3.980	11.085
Utilization	3.406	1.211

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	0.000	15.000
Utilization	0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

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

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

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

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

RISK REGISTER

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

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of new Health Management Structure is available in PC-I

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT

Designation:Project Director, PMU P&SHD

Email:

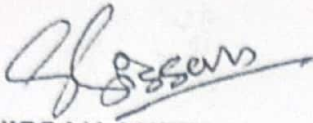
Tel. No.:

Fax No:

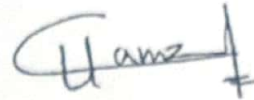
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:



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



(HAMZA NASEEM)
PROJECT MANAGER CIVIL, PMU,
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Checked By:



(Dr. AYESHA PARVEZ)
DEPUTY PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



(KHIZAR HAYAT)
PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)

Approved By:



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

