



PC-1

Balance Work of Revamping of DHQ Hospital Sheikhupura.

ORIGINAL APPROVED COST	PKR Million. 119.105/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Sheikhupura.

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. SHEIKHUPURA

2.2. TEHSIL(S)

I. SHEIKHUPURA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	GS No: 5360
3	Total Allocation: 0.000
4	Comments: Provision of Rs.1300 M reflected at G.S. No.660 of ADP 2022-23 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

attached

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

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

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

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

Total area of the DHQ Hospital Shiekhupura:	153,078 SFT
Area completed :	136,254 SFT
Remaining Area:	16,824 SFT

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

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

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

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

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

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

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

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

5.6.2 Supply of missing Biomedical and non-biomedical equipment

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

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

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

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

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

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

5.7.2 Public Address System

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

5.7.3 CCTV System

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

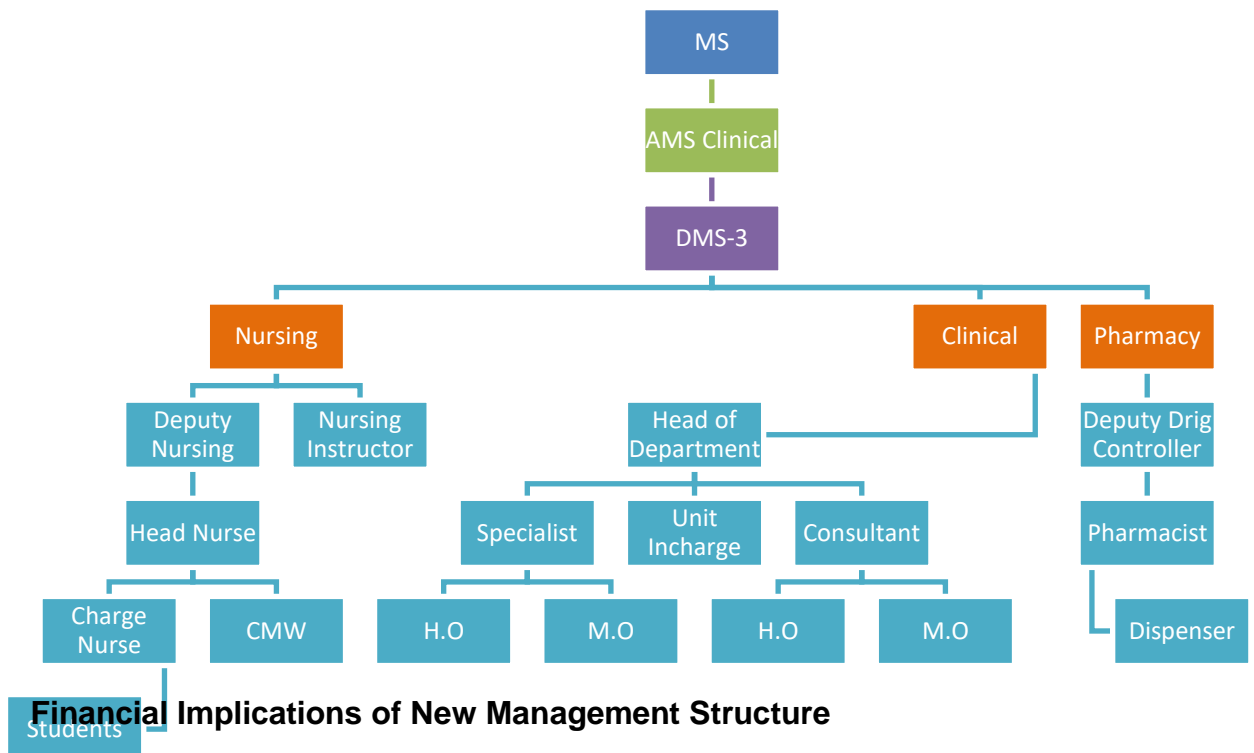
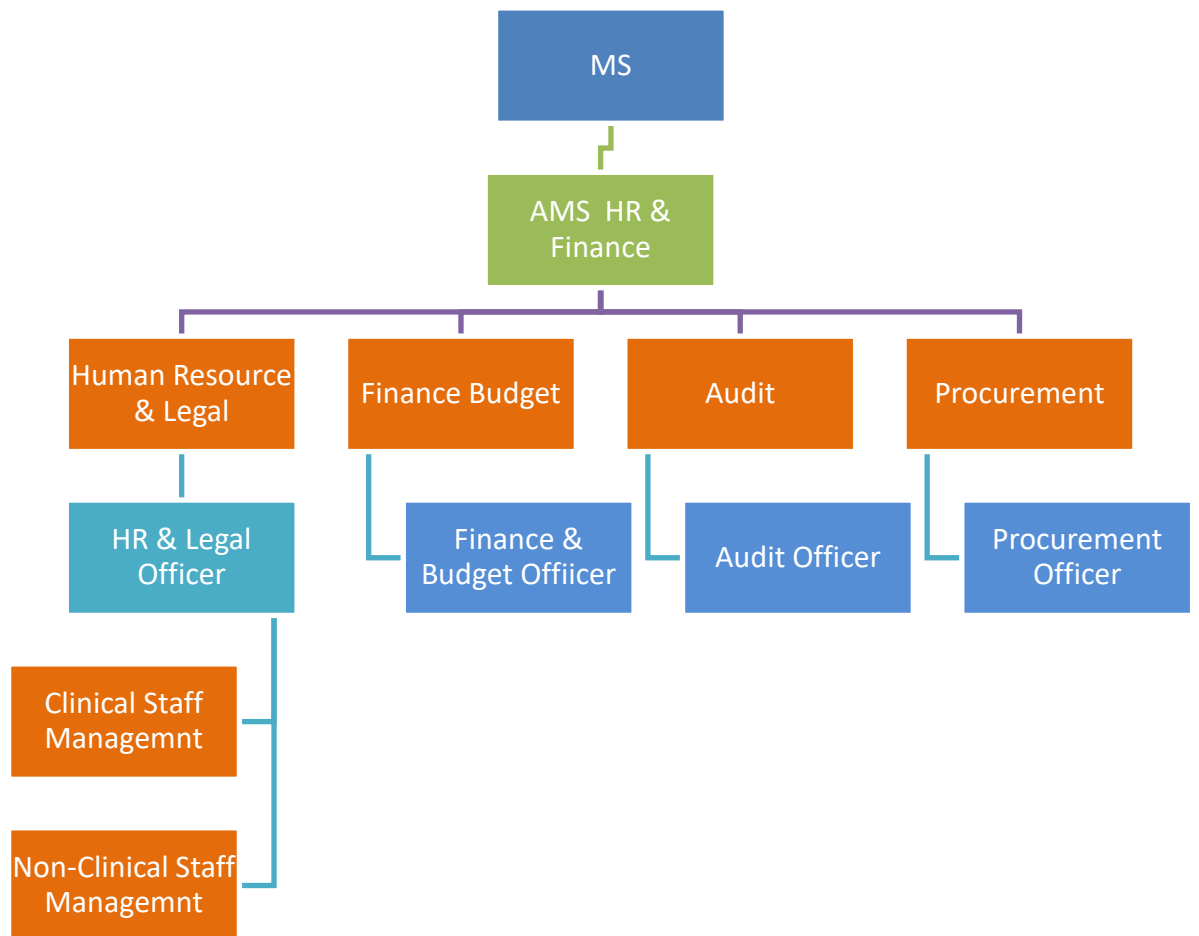
5.7.4 EMR and Networking

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

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

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

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



Financial Implications of New Management Structure

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</u> <u>(PPS)</u>	<u>Revised Project Pay Scales</u> <u>(Permissible Range) (PKR)</u>	<u>Annual Increment</u> <u>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 MS/AMS

Eligibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

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

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

Eligibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eligibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

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

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

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

OR

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

2. Minimum 1 year post degree relevant professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

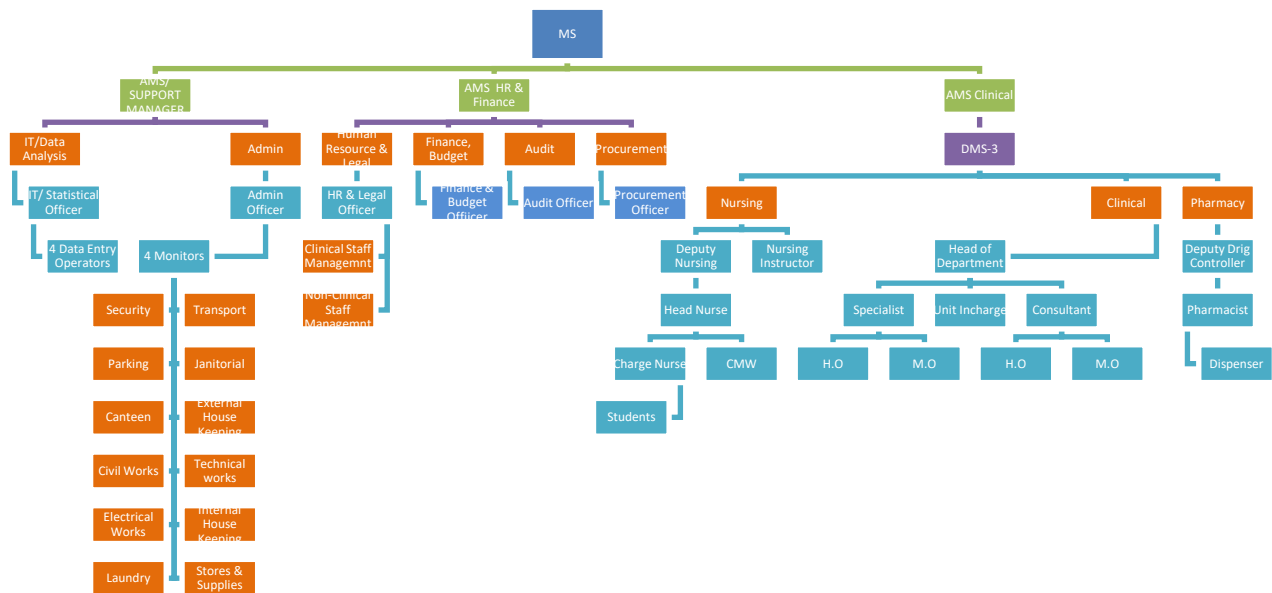
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

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

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

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

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

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

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

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

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

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

5.10.2 O.P.D:

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

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

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

modifications are decided in the relevant department for each patient.

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

5.10.4 INVENTORY CONTROL SYSTEM

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

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 Sheikhpura is more than 5.35 million. The area of the DHQ Hospital Sheikhpura is 65,1004 SFT and Children Complex is 287792 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 06-10-2020. Accordingly, on the basis of revised RCE of IDAP and de-scope civil work for 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

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

JUSTIFICATION FOR REVISION OF PC-I

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

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

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

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



given below

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

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

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number:Government Buildings - (PC12042)
LO NO:N/A
A/C To be Credited:Assan Assignment

PKR Million

Sr #	Object Code	2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	15.378	0.000	20.444	0.000	19.556	0.000
Total		0.000	0.000	15.378	0.000	20.444	0.000	19.556	0.000

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

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

PKR Million

Sr #	Object Code	2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	23.726	0.000	20.333	0.000	19.667	0.000
Total		0.000	0.000	23.726	0.000	20.333	0.000	19.667	0.000

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

Abstract of Cost

Balance work of Revamping of DHQ Hospital Sheikhpura

Scope of work	Original cost			Amended Cost			1st Revised Cost		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component									
Internal Development	28.777	0.000	28.777	38.096	0.000	38.096	38.096	0.000	38.096
External Development	16.082	0.000	16.082	11.460	0.000	11.460	11.460	0.000	11.460
Water filtration plant	2.197	0.000	2.197	2.688	0.000	2.688	2.688	0.000	2.688
Total Capital Component	47.057	0.000	47.057	52.244	0.000	52.244	52.244	0.000	52.244
Revenue component									
Electrical Component	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.000	9.000
Human resource (HR) plan	0.000	25.440	25.440	0.000	25.440	25.440	0.000	54.726	54.726
Total Revenue component	0.000	25.440	25.440	0.000	25.440	25.440	0.000	63.726	63.726
Total	47.057	25.440	72.497	52.244	25.440	77.684	52.244	63.726	115.970
PST (5%)	2.353	0.000	2.353	2.612	0.000	2.612	2.612	0.000	2.612
Green Punjab Tax (1%)	0.471	0.000	0.471	0.522	0.000	0.522	0.522	0.000	0.522
Grand Total	49.880	25.440	75.320	55.378	25.440	80.818	55.378	63.726	119.105

Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	No. of Empl ees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Empl ees	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				7.496					
									50.927

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

OFFICE OF THE EXECUTIVE ENGINEER

BUILDINGS DIVISION SHEIKHUPURA

**AMENDED ROUGH COST ESTIMATE FOR THE
BALANCE WORK OF REVAMPING OF D.H.Q
HOSPITAL SHEIKHUPURA**

Rs.55.378(Million)

1

PROVINCE

PUNJAB

2

STATION

SHEIKHUPURA

DIVISION

BUILDINGS DIVISION,
SHEIKHUPURA.

SUB DIVISION

BUILDINGS SUB DIVISION
SHEIKHUPURA.

NAME OF WORK

AMENDED ROUGH COST
ESTIMATE FOR THE BALANCE
WORK OF "REVAMPING OF
DHQ HOSPITAL DISTRICT
SHEIKHUPURA.

MAJOR HEAD

MINOR HEAD

ESTIMATED COST

RS.55.378 (Million)

5

ESTIMATE FRAMED BY:

**EXECUTIVE ENGINEER (BUILDINGS) (2)
SHEIKHUPURA**

FOR THE EXPENSE OF:

**AMENDED ROUGH COST ESTIMATE FOR
THE BALANCE WORK OF REVAMPING OF
D.H.Q HOSPITAL SHEIKHUPURA**

HISTORY:

The Chief Engineer Punjab Building Department Central Zone Lahore Directed vide his Memo No.1688-93 / D91) Dated 28-03-2021 for preparation of Rough cost estimate of Revamping of THQ / DHQ Hospital for this purpose rough cost estimate amounting to Rs: 49.880(Millions) sent to Superintending Engineer Buildings Circle No.3 Lahore for vetting and arranging administrative approval. After dully vetting for Rs: 49.880 (M). The Superintending Engineer Building Circle No.3 Lahore sent the estimate to Project Management (Civil) Project Management Unit (P&S) Health Department Gulbarg Lahore vide letter No. 1937 / SE - 3 Dated 19-07-2021 for Administrative Approval.

Accordingly the scheme was administratively approved for Rs.49.880 (M) by the Secretary P & SH Department and administrative approved issued vide letter No. PO (D-11) Revamping / P-1 / 21 Dated 05-10-2021. The tender was floated for the news paper, Meanwhile the MRS rates changed by the Competent authority / Finance Department.

Hence this amended rough cost estimate amounting to Rs. 55.378 (M) has been framed for technical vetting and arranging amended administrative approval.

SCOPE OF WORK

This detailed estimate contains following provisions:-

- 1- Part A Children Complex)**
 - I. Improvement / Renovation of main Building
 - II. Nursing Counter
 - III. Construction of Parking Area
 - IV. S/E Of Power Cables
 - V. Internal tuff tile
 - VI. Improvement of internal Metalled road
 - VII. Improvement of External sewer
 - VIII. Fire /firm alarm by Hitek
 - IX. Construction of filtration
- 2. Part -B (DHQ Hospital & Trauma Center)**
 - I. Improvement / Renovation of main Building
 - II. Nursing Counter
 - III. Construction of Parking Area
 - IV. S/E Of Power Cables
 - V. Internal tuff tile
 - VI. Improvement of internal Metalled road
 - VII. Improvement of External sewer
 - VIII. Fire /firm alarm by Hitek

SPECIFICATION:

The work has been / will be got executed as per P.W.D specifications.

CARRYING OUT OF WORK

The work will be carried out through the approved Govt. Contractor after calling the Competitive tenders and as per practice invouge in the Department.

RATES:

The rates provided in the estimate are based upon the standardized rates reflected on website of Finance Department for the 1ST B-I Annual Period 1st January 2022 to 30 June 2022 for the District Sheikhupura.

AMOUNT:

55.378 Million



Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated 05-10-2021

ORDER

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

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

18	Balance work of Revamping of DHQ Hospital Mandi Bahudin	94.938	25.440	120.378
19	Balance work of Revamping of DHQ Hospital Nankana Sahib	48.097	25.440	71.537
20	Balance work of Revamping of DHQ Hospital Pakpattan	125.887	25.440	151.327

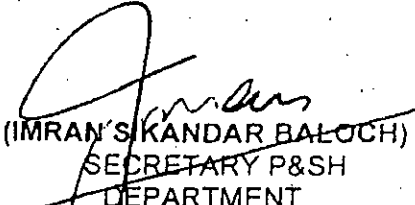
2. The expenditure involved will be debitabe under the following heads of account.

Capital Component

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

Revenue Component

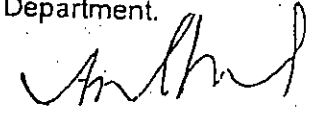
Grant No. PC-22036 (036) Development -07Health -073 -Hospital Services-0731-General Hospital Services -073101 General Hospital Services.


(IMRAN S. KANDAR BALOCH)
SECRETARY P&SH
DEPARTMENT

NO. & DATE EVEN:

A copy is forwarded for information and necessary action to the:-

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


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

**AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF "REVAMPING OF DHQ HOSPITAL DISTRICT
SHEIKHUPURA.**

COMPERATIVE STATEMENT

Sr. No	Description	Amount As Per A.A	As per Estimated <i>R/c</i> Estiamte	Excess	Saving	Remarks
1	2	3	4	5	6	7
	PART-A (Children Complex)					
1	Improvement / Renovation of Main Building	11437725	12123365	685640		
2	Nursing Counter	601437	640600	39163		
3	Construction Parking Area	1900350	2306391	406041		
4	S/E pf Power Cables	1445028	1793310	348282		
5	Improvement of Internal Tuff Tile Road	2037074	2356196	319122		
6	Improvement of Internal Metalled Road 300 Rft @ 3354.55 P.Rft	1006365	1006365			
7	Improvement of External Sewer	2404870	3725579	1320709		
8	FIRE FITHTING / FIRM ALARAM BY HITEK	878508	936373	57865		
9	Construction Room for Filtration Plant i/c Water Pump Boring and i/c cost of Filtration Plant.	2197239	2687513	490274		
10	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	95000	96676	1676		

11	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	341250	341250			
12	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	170000	170000			
PART-B (DHQ Hospital & Trauma Center)						
1	Improvement / Renovation of Main Building	14108274	14731951	623677		
2	Construction Parking Area	1483200	1747680	264480		
3	S/E of Power Cables	3605118	3997327	392209		
4	Improvement of Internal Metalled Road 220 Rft @ 3354.55 P.Rft	738001	738001			
5	Improvement of External Sewer	1122339	1327565	205226		
6	FIRE FITHTING / FIRM ALARAM BY HITEK	878508	909100	30592		
7	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	95000	96676	1676		
8	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	341250	341250			
9	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	170000	170000			

47

Total	47056536	52243169	5186633		
Add 5% PST	2352827	2612158	259332		
Add 1% Green Punjab Tax	470565	522432	51866		
	49879928	55377759	5497831		
Say Rs.	49.880	55.378	5.498		

As per A.A. 49.880
As Per Detailed
Estimate 55.378

Difference or 11.02% 5.498
0.090% Above

Sub Engineer

Sub Divisional Officer
Building Sub Division
Sheikhupura

Executive Engineer
Buildings Division
Sheikhupura

SUPERINTENDING ENGINEER,
Buildings Circle No.3
Lahore.

TECHNICALLY VETTED

For Rs 55.378 (Million)

Chief Engineer
Punjab Buildings Deptt.
Central Zone, Lahore.

Design Officer
Punjab Buildings Deptt.
Central Zone, Lahore.

Chief Draftsman
Punjab Buildings Deptt.
Central Zone, Lahore.

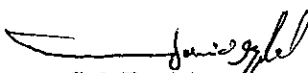
30/12/21


RENOVATION OF MAIN BUILDING (Children Complex)

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	White washing on old surface 2 coats after scraping	3949	520.45	%Sft	20553	3949	590.60	23323	2770		
2	Distempering on old surface 2 coats after scraping	10592	1008.40	%Sft	106810	10592	1234.85	130795	23986		
3	Applying weather sheild paint on external surface 2 coars	4337	3116.00	%Sft	135141	4337	4685.25	203199	68058		
4	Dismantling glazed or encustic tiles	13834	1768.80	%Sft	244696	13834	1932.50	267342	22646		
5	P/L plain Cement concrete (1:2:4)	1433	25014	%Cft	358451	1433	28971.35	415159	56709		
6	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. (Full Body 24"x24")	3708	256.00	P.Sft	949248	3708	302.30	1120928	171680		
7	Providing and laying superb quality Porcelain glazed tiles on walls 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. (Full Body 24"x24")	4215	268.00	P.Sft	1129620	4215	302.30	1274194.5	144575		
8	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. (12"x18")	241	169.00	P.Sft	40729	241	202.80	48875	8146		
9	Providing and laying superb quality Ceramic tile on walls 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. (12"x18")	830	177.00	P.Sft	146910	830	209.70	174051	27141		
10	Preparing surface and painting to door and windows any type two coat Brushing and scraping blisters of old paints from 100 Sft. woodwork.	3266	1571.00	%Sft	51309	3266	1758.45	57431	6122		
11	S/E of SMD light 50-Watts best quality. complete in all respects and as approved by the Engineer Incharge.	50	12500.00	Each	625000	50	12500.00	625000			
12	Wall cladding with PVC (Amclad) using silver ion technology i.e silver ionization proven effective against all common microbes, including bacteria, mold and fungi along with GI substructure and gypsum board for OT's with installation.	2529	1920.00	P.sft	4855680	2529	1960.00	4956840	101160		
13	Dampa ceiling with clip in or hook on suspension for the prevention of bacteria etc.	1199	360.00	P.Sft	431640	1199	385.00	461615	29975		
14	Anti-bacterial/Antistatic flooring with self-leveling compound.(FOR FLOOR)	1199	696.00	P.Sft	834504	1199	710.00	851290	16786		
15	P/L vinyl flooring with real wood texture with complete will all respect as approved by Engineer Incharge	1199	96.00	P.Sft	115104	1199	110.00	131890	16786		
16	P/F fiber glass sun shade in the front of hospitals opening complete with all respect as approved by Engineer Incharge.	22	14500.00	Each	319000	22	16500.00	363000	44000		
17	Providing and fixing 1½" (40mm) thick solid flush door shutter Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick	175	403.80	P.Sft	70665	175	453.75	79406	8741		

18	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre on bottom rail of flush doors only of commercial ply.	1061	53.80	P.Sft	57082	1061	61.00	64721	7639		
19	Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger plate, 6" (150 mm) tower bolt).	175	25.60	P.Sft	4480	175	46.90	8207.5	3728		
20	P/F (2 1/2' x 7') Deluxe U-PVC super Q-box door with U-PVC door frame/threshold (Duero frame KBI) i/c latch lock of M.S World Comex trading co: site No.26,27-F ShamaPlaza Ferozpur road Lahore Ph:7583774 or approved equal by the Engineer incharge complete in all respect as per drawing & manufacturer sample.	175	850.00	P.Sft	148750	175	925.00	161875	13125		
21	P/F C.P bathroom accessories set (07-Pieces) (imported best quality) comprising of looking glass, towel rail, plastic shelf, soap dish, brush holder, towel ring, toilet paper holder etc i/c cost of rawal plug special S.S screws carriage etc complete in all respect as approved by the Engineer Incharge.	11	11520.00	Each	126720	11	6600.00	72600		54120	
22	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	60	2600.00	P.RFt	156000	60	1775.10	106506		49494	
23	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc complete in all respect.1.6 mm	48	498.50	P.Sft	23928	48	606.50	29112	5184		
24	Providing and fixing of M.S. grill of 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame in windows of approved design 6 No holdfast 9" long of M.S. iron 3/4"x3/4"x1/8" painting three coats i/c cost of labour material and carriage welding etc complete in all respect as approved by the Engineer incharge.	48	429.00	P.Sft	20592	48	647.50	31080	10488		
25	P/F False Ceiling consist of 5/8" thick 24"x24" plaster of Paris sheet over hanging with ceiling with steel wire / copper wire, hooks, steel nail 1" long Nariel i/c drilling holes, rawal plug & plaster of pairs powder etc complete in all respect.	1200	110.00	P.Sft	132000	1200	93.20	111840		20160	

Total	11104610	11770281	789445	123774
Add 3% Contingency	333138	353108	23683	3713
Total	11437749	12123390	813128	127487


Sub Engineer
 Buildings Sub Division,
 Sheikhpura.


Sub Divisional Officer
 Building Sub Division
 Sheikhpura

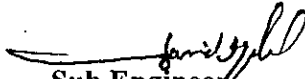
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10

NURSING COUNTER

Sr. No.	Description	As per Approval Estimate				As per arhmanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Excess	Saving	
1	Pacca brick work (1:5) OTB	86	24575.40	%Cft	21196	86	26709.95	23037	1841		
2	½"thick cement sand plaster (1:4) upto 20-ft height.	230	2304.10	%Sft	5295	230	2595.85	5970	675		
3	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	20	414.00	P.Cft	8254	20	471.95	9410	1155		
4	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	61	19958.25	%kg	12194	61	26308.65	16074	3880		
5	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills , having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge	80	450	P.Sft	35888	80	369.40	29460		6428	
6	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge full body 16"x16"	88	199.00	P.Sft	17413	88	260.75	22816	5403		

Total	100239	106767	12955	6428
Cost for one Counter	100239	106767	12955	6428
Cost for 6	601437	640600	77730	38568


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CONSTRUCTION OF PARKING AREA

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation, cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge. (4" dia G.I pipe Support)	4100	450.00	P.Sft	1845000	4100	546.15	2239215	394215		

Total	1845000	2239215	394215
Add 3% Contingency	55350	67176	11826
Total	1900350	2306391	406041


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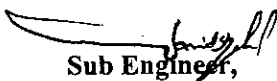
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DETAIL FOR ELECTRIC POWER CABLES


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Difference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Supply at site, fabrication, installation, testing, commissioning and connections of wires/cables of Distribution Boards concealed type to be installed on site and made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 15 micron thickness in approved color with hinged door, flexible earthing strap lockable handle, catcher earthing bar neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials. All DBs mentioned below shall have 3 phase indication lamps transformer type of color Red, Yellow, Blue and 1-voltmeter scaled 0-500 v. with Voltmeter selector switch including all incoming and outgoing breakers manufactured by Siemens, ABB, CLIPSAL or Approved equal. Complete in all respect and to the instruction of the Engineer In charge. Incoming 1 No: 600 Amps 3 phase adjustable MCCB with overload and short circuit protection, R.C.not less than 25 kA, with additional 4 copper flats for cable connections on incoming side of MCCB. Outgoing 3Nos: 100 Amps 3 Phase MCBs. 5Nos: 63 Amps 3 Phase MCBs + 10 No:20 Amp 1 Phase MCBs	1	350000	Each	350000	1	357963	357963	7963		
2	Supply / Erection of Change over switch 500 Amp fixed in Panel Board complete in all respect as approved by the Engineer Incharge.	7	30000.00	Each	210000	7	35000	245000	35000		
3	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 3/0.029"	8500	14.05	P.Rft	119425	8500	20.95	178075	58650		
4	7/0.029	4500	18.35	P.Rft	82575	4500	33.00	148500	65925		
5	7/0.064	2500	79.4	P.Rft	198500	2500	141.05	352625	154125		
6	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge	20	650.00	Each	13000	20	1259.40	25188	12188		
7	S/E of fancy piano type switch 5-Amp (Bush / Hilife)	100	80.00	Each	8000	100	80.00	8000	0		
8	S/E of fancy type wall socket 10-Amp Bush / Hilife	20	250.00	Each	5000	20	250.00	5000	0		
9	S/E of power plug 3-pin Bush with combined (Hilife)	10	444.00	Each	4440	10	673.80	6738	2298		
10	S/E of fancy type dimmer for ceiling fan (Bush / Hilife)	20	350.00	Each	7000	20	449.40	8988	1988		
11	S/E of ceiling light 8" dia 18Watt	180	2250.00	Each	405000	180	2250.00	405000			

Total
Add 3% Contingency
Total

1402940	15858	398121	1741077	338137	0
42088			52232	10144	0
1445028			1793309	348281	0


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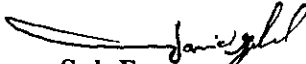

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DETAIL OF TUFF PAVER

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil	1200	8078.40	%Cft	9694	1200	8727.95	10474	779		
2	P/L Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:18.	396	12301.50	%Cft	48714	396	14251.50	56436	7722		
3	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6	2325	23338.60	%Cft	542622	2325	25322.25	588742	46120		
4	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate): (1:2:4)	75	25014.00	%Cft	18761	75	28971.05	21728	2968		
5	Filling watering ramming earth under floor With Surplus earth from foundation	800	3867.60	%Cft	3094	800	4197.60	3358	264		
6	Filling watering ramming earth under floor with new earth With new earth excavated from outside lead up to 03 mile	10700	13785.90	%Cft	147509	10700	14516.48	155326	7817		
7	Sand filling under floors.	1532	1999.00	%Cft	30625	1532	2863.20	43864	13240		
8	P/L Pit run or bed run gravel sub-base course of stone product of approved quality and grade i/c placing mixing spreading and compaction of sub-base material to required depth camber grade to ahieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work from quarry distance upto 170 Km.	2300	12958.40	%Cft	298043	2300	11738.75	269991		28052	
9	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in	4600	105.80	P.Sft	486680	4600	121.35	558210	71530		
	P/F of Kerb Stones PCC (3000 PSI) (As per approved manufacturer) at site etc complete in all respect as approved by the Engineer Incharge.	1600	245.00	P.Rft	392000	1600	362.15	579440	187440		

Total	1977742	2287570	337880	28052
Add 3% Contingency	59332	68627	10136	28052
Total	2037074	2356197	348016	168312


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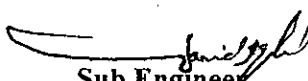

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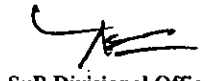
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IMPROVEMENT OF INTERNAL METTALED ROAD

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Survey and mapping	0.25	12000.00	P.Km	3000	0.25	12000.00	3000			
2	Dismnaltling of existing road edging	308	650.75	%Cft	2004	308	650.75	2004			
3	Dismantling of existing road pavement	4869	2044.15	%Cft	99530	4869	2044.15	99530			
4	Compacting with road roller 25% compaction	3895	810.50	%0Cft	3157	3895	810.50	3157			
5	Making embankment (E/W) wiyh 2Km lead with 25% Compaction	21272	10801.16	%0Cft	229762	21272	10801.16	229762			
6	Relaying of sub base course of old dismantled material recieved from existing road pavement	4382	3727.50	%Cft	163339	4382	3727.50	163339			
7	P/L sub base course of crushed stone aggregate 6" thick from approved quarry	538	10369.02	%Cft	55785	538	10369.02	55785			
8	P/L Road edgging 3" wide and 9" deep	1640	45.20	P.Rft	74128	1640	45.20	74128			
9	Base course of crushed stom aggregate (W.B.M) 8" Thick from approved quarry	6563	13764.56	%Cft	903407	6563	13764.56	903407			
10	Priming coat using 10 Lbs bituman and 10 Lbs K-oil 100% area	9840	1171.35	%Sft	115261	9840	1171.35	115261			
11	Plant premixed carpet 2" thick (AWC) by using 4.5% bituman contents	9840	9912.75	%Sft	975415	9840	9912.75	975415			
	Micsillaneous										
12	Lane marking with T.P paint 5" wide	1640	32.40	P.Rft	53136	1640	32.40	53136			
13	Providing and fixing cat eyes	33	325.00	Each	10725	33	325.00	10725			
	Total				2688649			2688649			
	Credit of old material										
1	Brick batts	123	3000.00	%Cft	3690	123	3000.00	3690			
2	Bricks	2491	5700.00	%0Nos	14199	2491	5700.00	14199			
					17889			17889			

Total	2670760	2670760
Add 3% Contingency	80123	80123
Total	2750883	2750883
Rate for P.Rft		3354.55


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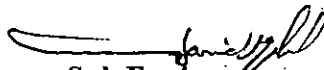

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EXTERNAL DEVELOPEMENT

Sr. No.	Description	As per Approval Estimate	As per ammanded Rough cost Estimate	Diference		Remarks
				Exess	Saving	
1	External Sewerage	1140138	1347110	206972		
2	External Water Supply	204246	1261128	1056882		
3	External Roads	900312	900312	0		
4	Septic Tank	90129	108517	18388		

Total	2334825	3617067	1282242	0
Add 3% Contigency	70045	108512	38467	0
Total	2404870	3725579	1320709	0


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SEWER LINE

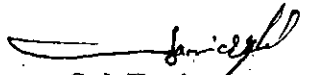
Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level	4260	6683.3	%o Cft	28471	4260	7272.55	30981	2510		
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.										
A	12" dia. Pipe	710	546.65	P Rft	388122	710	637.35	452519	64397		
3	Re-handling of earth lead upto single through of kassi.	3408	1914	%o Cft	6523	3408	2059.20	7018	495		
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover complee in all respect. (Analysis Attached)	24	29876	Each	717024	24	35700.00	856800	139776		


Total


1140139

1347110

206971


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Mane Hole


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.	41	6683.3	%o Cft	271	41	7272.55	295	24		
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)	10	12301.5	% Cft	1246	10	14251.5	1444	198		
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.	39	24575.4	% Cft	9678	39	26709.95	10518	841		
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.	1.49	25014	% Cft	373	1	28971.35	432	59		
5	½"thick cement sand plaster (1:4) upto 20-ft height.	89	2302.1	% sft	2055	89	2595.85	2317	262		
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	8.82	414	P Cft	3651	9	471.8	4161	510		
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	27	19958.25	% Kg	5389	27	26308.85	7103	1715		
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.	9	2052.9	% sft	185	9	2308.9	208	23		
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.	1	7029.25	Each	7029	1	9222.4	9222	2193		

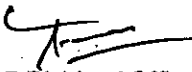
Total


29876

35700

5824


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DETAIL FOR WATER SUPPLY

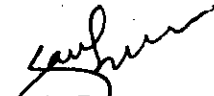
Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Providing and installing P.V.C. blind pipe, B.S.S. Class "D" complete										
	4" dia	1595	573.25	P.Rft	914334	1595	657.4	1048553	134219		
	2" dia	350	167.05	P.Rft	58468	350	177.15	62003	3535		
	1-1/2" dia	400	115	P.Rft	46000	400	136.6	54640	8640		
5	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials										
6	25mm	750	52	P.Rft	39000	750	53.55	40163	1163		
7	32mm	650	63	P.Rft	40950	650	85.8	55770	14820		

Total

1098751 3745 1111 1261128 162377 0


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Septic tank

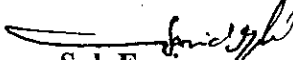
Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diferehce		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.	576	6683.3	%o Cft	3850	576	7272.55	4189	339		
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:4:8)	36	15443.1	% Cft	5560	36	18080.7	6509	950		
3	Pacca brick work 1:6 cement mortar in other the buildings upto 10-ft height.	136	25134.6	% Cft	34183	136	27375.97	37231	3048		
5	½"thick cement sand plaster (1:4) upto 20-ft height.	362	2302.1	% sft	8334	362	2595.85	9397	1063		
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	25.00	414	P Cft	10350	25	471.8	11795	1445		
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	77	19958.25	% Kg	15368	77	26308.85	20258	4890		
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.	30	2052.9	% sft	616	30	2308.9	693	77		
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.	2	5934.85	Each	11870	2	9222.4	18445	6575		


Total


90129

108517

18387


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FIRE FIGHTING

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Fire Extinguisher DCP type 06 kg with Nozzle and wall bracket (Imported).	14	2940	Each	41160	14	3250	45500	4340		
2	Fire Extinguisher CO2 type 05 kg with Nozzle and wall bracket (Imported).	14	5460	Each	76440	14	5620	78680	2240		
3	Jet Nozzle brass material Pak made.	14	3600	Each	50400	14	3850	53900	3500		
4	Firefighting Delivery Hose 1.5" 50 feet imported.	14	10640	Each	148960	14	11320	158480	9520		
5	Fire Hose cabinet to Accomodate 01 delivery hose and a jet nozzle.	14	5460	Each	76440	14	5620	78680	2240		
6	Smoke Detector Battery operated.	4	1680	Each	6720	4	1740	6960	240		
7	Fire Alarm.	6	2240	Each	13440	6	2310	13860	420		
8	04-Zone Fire Alarm Control panel, 04-Zone Fire Alarm Control panel complete with (Batteries 30 Hours UPS Services) 240V, Brand C-TEC made in UK approved LPCB.	2	47600	Each	95200	2	49300	98600	3400		
9	Smoke Detector optical type with base.	30	3430	Each	102900	30	3560	106800	3900		
10	Heat Detector optical type with base.	30	3220	Each	96600	30	3560	106800	10200		
11	Fire Alarm sounder with base.	2	3500	Each	7000	2	3850	7700	700		
12	Manual Call point with cover, manual call point Break Glass type.	2	2030	Each	4060	2	2260	4520	460		
13	Installation charges, including 1.5mm cable with pvc pipe/duct complete fitting, testing commissioning complete system and training of fire alarm system.	1	75000	Each	75000	1	82500	82500	7500		
14	Supply & Installation of fire Hydrant system, surface type fire Hydrant single delivery size inlet 3" outlet 2-1/2" with blank cap.	4	14640	Each	58560	4	16320	65280	6720		

Total	852920	909100
Add 3% Contingency	25588	27273
Total	878508	936373


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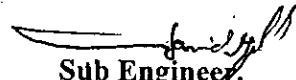

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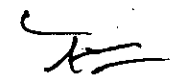

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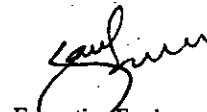
FILTRATION PLANT

Sr. No.	Description	As per Approval Estimate	As per ammanded Rough cost Estimate	Diference		Remarks
				Exess	Saving	
1	Construction Room for Filtration Plant size 12x12 with Verandah 7' wide 1x21-1/4x13-1/2 = 287 Sft	667275	883386	216111		
2	Boring with Electric Water Pump G-II complete in all respect (Detail Attached).	342932	383287	40355		
3	Filtration Plant (Quatition Attached).	822000	822000	0		
4	Cost of PVC insulated and PVC sheated copper conductor 19/0.052 4 core 120 Mtr	199305	390312	191007		
5	Electric panel board (18"x24"x6")	35000	41912	6912		

Total	2066512	2520897	454385
Add 10% external Development on Rs.	66728	88339	21611
Total	2133240	2609236	475996
Add 3% Contingency	63997	78277	14280
Total	2197237	2687513	490276


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WATER SUPPLY / BORING


Sr. No.	Description	As per Approval Estimate				As per ammended Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Boring of tube well 5" dia i/c sinking and with drawing of using pipe .										
i	0'-100' depth	100	439.65	P.Rft	43965	100	483.8	48380	4415		
ii	100'-200'	100	737.35	P.Rft	73735	100	810.7	81070	7335		
iii	200'-300'	100	1031	P.Rft	103100	100	1131.65	113165	10065		
2	P/I PVC baill / end plug in bore hole 2" dia .	1	69.8	Each	69.8	1	84.4	84.4	14.6		
3	P/I PVC strainer in bore hole i/c sockets BSS class D2 i/dia	30	97.6	P.Rft	2928	30	114.35	3430.5	502.5		
4	P/I PVC blind pipe i/c sockets				0	0		0	0		
i	BSS class D4 i/dia	30	573.25	P.Rft	17197.5	30	687.45	20623.5	3426		
ii	BSS class D2 i/dia	244	167.05	P.Rft	40760.2	244	199.1	48580.4	7820.2		
iii	BSS class D1-1/4" i/dia	30	94.2	P.Rft	2826	30	111.3	3339	513		
iv	BSS class D1-1/2 "i/dia	290	115	P.Rft	33350	290	136.6	39614	6264		
5	P/F water supply pump G.II i/c electric motor complete with all connection and as per specification.	1	25000	Each	25000	1	25000	25000	0		


Total

342932

383287

40355


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SPIRAL STAIR


Sr. No.	Description	As per Approval Estimate				As per ammended Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	1	95000	Each	95000	1	96676	96676	1676		


Total


95000

96676

1676


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(24)

Glass Doors


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	1	341250	Each	341250	1	341250	341250	0		

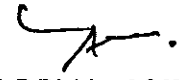
Total


341250

341250

0


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Service logo


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	1	170000	Each	170000	1	170000	170000	0		

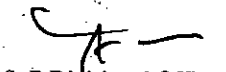
Total

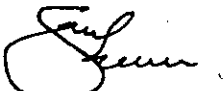
170000

170000

0


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26

RENOVATION OF MAIN BUILDING (Truama Center)

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	White washing on old surface 2 coats after scraping	10465	520.45	%Sft	54465	10465	590.60	61806	7341		
2	Distempering on old surface 2 coats after scraping	32241	1008.40	%Sft	325118	32241	1234.85	398128	73010		
3	Dismantling glazed or encustic tiles	19678	1768.80	%Sft	348064	19678	1932.50	380277	32213		
4	P/L plain Cement concrete (1:2:4)	1562	25014	%Cft	390719	1562	28971.35	452532	61814		
5	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. (Full Body 24"x24")	6342	256.00	P.Sft	1623552	6342	302.30	1917187	293635		
6	Providing and laying superb quality Porcelain glazed tiles on walls 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. (Full Body 24"x24")	12920	268.00	P.Sft	3462560	12920	302.30	3905716	443156		
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. (12"x18")	1093	169.00	P.Sft	184717	1093	202.80	221660	36943		
8	Providing and laying superb quality Ceramic tile on walls 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. (12"x18")	2434	177.00	P.Sft	430818	2434	209.70	510409.8	79592		
9	Preparing surface and painting to door and windows any type two coat. Brushing and scraping blisters of old paints from 100 Sft. woodwork.	3681	1571.00	%Sft	57829	3681	1758.45	64729	6900		
10	S/E of SMD light 50-Watts best quality. complete in all respects and as approved by the Engineer Incharge.	50	12500.00	Each	625000	50	12500.00	625000			
11	Wall cladding with PVC (Amclad) using silver ion technology i.e silver ionization proven effective against all common microbes, including bacteria, mold and fungi along with GI substructure and gypsum board for OT's with installation.	1705	1920.00	P.sft	3273600	1705	1960.00	3341800	68200		
12	Monolive False Alarm with clip in or hook on suspension for the prevention of bacteria etc.	409	360	P.Sft	147240	409	385.00	157465	10225		


22


13	Anti-bacterial/Antistatic flooring with self-leveling compound.(FOR FLOOR)	409	696.00	P.Sft	284664	409	710.00	290390	5726		
14	P/L vinyl flooring with real wood texture with complete will all respect as approved by Engineer Incharge	409	96.00	P.Sft	39264	409	110.00	44990	5726		
15	P/F fiber glass sun shade in the front of hospitals opening complete with all respect as approved by Engineer Incharge.	30	14500.00	Each	435000	30	16500.00	495000	60000		
16	Providing and fixing 1½" (40mm) thick solid flush door shutter Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick	140	403.80	P.Sft	56532	140	453.75	63525	6993		
17	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre on bottom rail of flush doors only of commercial ply.	8485	53.80	P.Sft	456493	8485	61.00	517585	61092		
18	Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger plate, 6" (150 mm), tower bolt).	140	25.60	P.Sft	3584	140	46.90	6566	2982		
19	P/F (2 ½' x7') Deluxe U-PVC super Q-box door with U-PVC door frame/threshold (Duero frame KBI) i/c latch lock of M.S World Comex trading co: site No.26,27-F ShamaPlaza Ferozpur road Lahore Ph:7583774 or approved equal by the Engineer incharge complete in all respect as per drawing & manufacturer sample.	385	850.00	P.Sft	327250	385	925.00	356125	28875		
20	P/F C.P bathroom accessories set (07-Pieces) (imported best quality) comprising of looking glass, towel rail, plastic shelf, soap dish, brush holder, towel ring, toilet paper holder etc i/c cost of rawal plug special S.S screws carriage etc complete in all respect as approved by the Engineer Incharge.	10	11520.00	Each	115200	10	6600.00	66000		49200	
21	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	250	2600.00	P.RFt	650000	250	1775.10	443775		206225	
22	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc complete in all respect.1.6 mm	210	498.50	P.Sft	104685	210	606.50	127365	22680		


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23	Providing and fixing of M.S. grill of 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame in windows of approved design 6 No holdfast 9" long of M.S. iron 3/4"x3/4"x1/8" painting three coats i/c cost of labour material and carriage welding etc complete in all respect as approved by the Engineer incharge.	210	429.00	P.Sft	90090	210	647.50	135975	45885		
24.	Applying weather sheild paint 2 coats	6769	3116.00	%Sft	210922	6769	4685.25	317145	106223		

Total	13697366	14731951	1459210	255425
Add 3% Contingency	410921	441959	43776	7663
Total	14108287	15173910	1065623	263088


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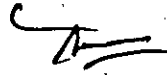
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CONSTRUCTION OF PARKING AREA

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation, cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge. (4" dia G.I pipe Support)	3200	450.00	P.Sft	1440000	3200	546.15	1747680	307680		

Total		1440000			
Add 3% Contingency		43200			
Total		1483200		1747680	264480


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DETAIL FOR ELECTRIC POWER CABLES

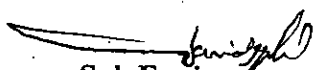
Sr. No.	Description	As per Approval Estimate				As per amanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Supply at site, fabrication, installation, testing, commissioning and connections of wires/cables of Distribution Boards concealed type to be installed on site and made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 15 micron thickness in approved color with hinged door, flexible earthing strap lockable handle, catcher earthing bar neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials. All DBs mentioned below shall have 3 phase indication lamps transformer type of color Red, Yellow, Blue and 1-voltmeter scaled 0-500 v. with Voltmeter selector switch including all incoming and outgoing breakers manufactured by Siemens, ABB, CLIPSAL or Approved equal. Complete in all respect and to the instruction of the Engineer In charge. Incoming 1 No: 600 Amps 3 phase adjustable MCCB with overload and short circuit protection, R.C. not less than 25 kA, with additional 4 copper flats for cable connections on incoming side of MCCB. Outgoing 3Nos: 100 Amps 3 Phase MCBs. 5Nos: 63 Amps 3 Phase MCBs + 10 No: 20 Amp 1 Phase MCBs	1	350000	Each	350000	1	357963	357963	7963		
2	Supply at site, installation, testing, commissioning 4 Core Cable Size 400 mm ² XLPE/PVC CU.COND along with completed accessories and fixations in all aspects + 1 Core 70 mm ² AS CPC. [Main Power Cable from Transformer to Main DB]. (Newage / Equvilant).	150	6685.00	Each	1002750	150	6685	1002750	0		
3	Supply at site, installation, testing, commissioning 4 Core Cable Size 240 mm ² XLPE/PVC CU.COND along with completed accessories and fixations in all aspects (Newage / Equvilant). (10+20+140+100+210+210+350+110+135)	200	4400.00	P.Rft	880000	200	4400	880000	0		
4	Supply / Erection of Change over switch 500 Amp fixed in Panel Board complete in all respect as approved by the Engineer Incharge.	7	30000.00	Each	210000	7	35000	245000	35000		
5	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts; PVC insulated: 3/0.029"	10500	14.05	P.Rft	147525	10500	20.95	219975	72450		
6	7/0.029	6000	18.35	P.Rft	110100	6000	33.00	198000	87900		
7	7/0.064	4500	79.4	P.Rft	357300	4500	141.05	634725	277425		
9	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge	20	650.00	Each	13000	20	1259.40	25188	12188		
10	S/E of fancy piano type switch 5-Amp (Bush / Hilife)	100	80.00	Each	8000	100	80.00	8000	0		
11	S/E of fancy type wall socket 10-Amp Bush / Hilife	20	250.00	Each	5000	20	250.00	5000	0		


12	S/E of power plug 3-pin Bush with combined (Hilife)	10	444.00	Each	4440	10	673.80	6738	2298		
13	S/E of fancy type dimmer for ceiling fan (Bush / Hilife)	20	350.00	Each	7000	20	449.40	8988	1988		
14	S/E of ceiling light 8" dia 18Watt	180	2250.00	Each	405000	180	2250.00	405000			


Total
Add 3% Contingency
Total

3500115
105003
3605118

.3997327 392209


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IMPROVEMENT OF INTERNAL METTALED ROAD

Sr. No.	Description	As per Approval Estimate				As per ammended Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Survey and mapping	0.25	12000.00	P.Km	3000	0.25	12000.00	3000			
2	Dismnaltling of existing road edging	308	650.75	%Cft	2004	308	650.75	2004			
3	Dismantling of existing road pavement	4869	2044.15	%Cft	99530	4869	2044.15	99530			
4	Compacting with road roller 25% compaction	3895	810.50	%OCft	3157	3895	810.50	3157			
5	Making embankment (E/W) wiyh 2Km lead with 25% Compaction	21272	10801.16	%OCft	229762	21272	10801.16	229762			
6	Relaying of sub base course of old dismantled material recieved from existing road pavement	4382	3727.50	%Cft	163339	4382	3727.50	163339			
7	P/L sub base course of crushed stone aggregate 6" thick from approved quarry	538	10369.02	%Cft	55785	538	10369.02	55785			
8	P/L Road edgging 3" wide and 9" deep	1640	45.20	P.Rft	74128	1640	45.20	74128			
9	Base course of crushed stom aggregate (W.B.M) 8" Thick from approved quarry	6563	13764.56	%Cft	903407	6563	13764.56	903407			
10	Priming coat using 10 Lbs bituman and 10 Lbs K-oil 100% area	9840	1171.35	%Sft	115261	9840	1171.35	115261			
11	Plant premixed carpet 2" thick (AWC) by using 4.5% bituman contents	9840	9912.75	%Sft	975415	9840	9912.75	975415			
	Micsillaneous										
12	Lane marking with T.P paint 5" wide	1640	32.40	P.Rft	53136	1640	32.40	53136			
13	Providing and fixing cat eyes	33	325.00	Each	10725	33	325.00	10725			
	Total				2688649			2688649			
	Credit of old material										
1	Brick batts	123	3000.00	%Cft	3690	123	3000.00	3690			
2	Bricks	2491	5700.00	%ONos	14199	2491	5700.00	14199			
					17889			17889			

Total	2670760	2670760	
Add 3% Contingency	80123	80123	
Total	2750883	2750883	
Rate for P.Rft		3354.55	


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EXTERNAL DEVELOPEMENT

Sr. No.	Description	As per Approval Estimate	As per ammanded Rough cost Estimate	Diference		Remarks
				Exess	Saving	
1	External Sewerage	1122339	1327565	205226		


Total

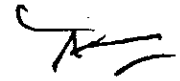
1122339


1327565

205226

0


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34

SEWER LINE


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level	3780	6683.3	%o Cft	25263	3780	7272.55	27490	2227		
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.										
A	12" dia. Pipe	630	546.65	P Rft	344390	630	637.35	401531	57141		
3	Re-handling of earth lead upto single through of kassi.	3024	1914	%o Cft	5788	3024	2059.20	6227	439		
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover comple in all respect. (Analysis Attached)	25	29876	Each	746900	25	35700.00	892500	145600		

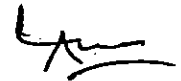
Total

1122340

1327565

205225


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52

Mane Hole


Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.	41	6683.3	% Cft	271	41	7272.55	295	24		
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)	10	12301.5	% Cft	1246	10	14251.5	1444	198		
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.	39	24575.4	% Cft	9678	39	26709.95	10518	841		
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.	1.49	25014	% Cft	373	1	28971.35	432	59		
5	½"thick cement sand plaster (1:4) upto 20-ft height.	89	2302.1	% sft	2055	89	2595.85	2317	262		
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	8.82	414	P Cft	3651	9	471.8	4161	510		
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	27	19958.25	% Kg	5389	27	26308.85	7103	1715		
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.	9	2052.9	% sft	185	9	2308.9	208	23		
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.	1	7029.25	Each	7029	1	9222.4	9222	2193		


Total


29876

35700

5824


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Building Sub Division
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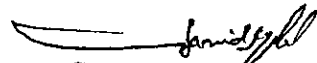

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Buildings Division
Sheikhupura


36


FIRE FIGHTING

Sr. No.	Description	As per Approval Estimate				As per ammended Rough cost Estimate			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Fire Extinguisher DCP type 06 kg with Nozzle and wall bracket (Imported).	14	2940	Each	41160	14	3250	45500	4340		
2	Fire Extinguisher CO2 type 05 kg with Nozzle and wall bracket (Imported).	14	5460	Each	76440	14	5620	78680	2240		
3	Jet Nozzle brass material Pak made.	14	3600	Each	50400	14	3850	53900	3500		
4	Firefighting Delivery Hose 1.5" 50 feet imported.	14	10640	Each	148960	14	11320	158480	9520		
5	Fire Hose cabinet to Accomodate 01 delivery hose and a jet nozzle.	14	5460	Each	76440	14	5620	78680	2240		
6	Smoke Detector Battery operated.	4	1680	Each	6720	4	1740	6960	240		
7	Fire Alarm.	6	2240	Each	13440	6	2310	13860	420		
8	04-Zone Fire Alarm Control panel, 04-Zone Fire Alarm Control panel complete with (Batteries 30 Hours UPS Services) 240V, Brand C-TEC made in UK approved LPCB. *	2	47600	Each	95200	2	49300	98600	3400		
9	Smoke Detector optical type with base.	30	3430	Each	102900	30	3560	106800	3900		
10	Heat Detector optical type with base.	30	3220	Each	96600	30	3560	106800	10200		
11	Fire Alarm sounder with base.	2	3500	Each	7000	2	3850	7700	700		
12	Manual Call point with cover, manual call point Break Glass type.	2	2030	Each	4060	2	2260	4520	460		
13	Installation charges, including 1.5mm cable with pvc pipe/duct complete fitting, testing commissioning complete system and training of fire alarm system.	1	75000	Each	75000	1	82500	82500	7500		
14	Supply & Installation of fire Hydrant system, surface type fire Hydrant single delivery size inlet 3" outlet 2-1/2" with blank cap.	4	14640	Each	58560	4	16320	65280	6720		

Total	852920	909100	55380
Add 3% Contingency	25588	27273	1661
Total	878508	936373	57865


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(37)

SPIRAL STAIR

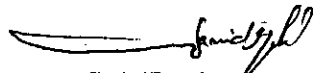
Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embedded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	1	95000	Each	95000	1	96676	96676	1676		


Total

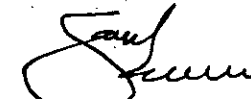
95000

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1676


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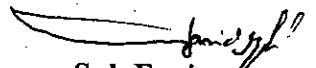

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 Buildings Division
 Sheikhpura


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Glass Doors

Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	1	341250	Each	341250	1	341250	341250	0		
Total					341250			341250	0		


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Service logo

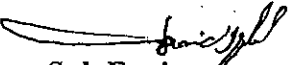
Sr. No.	Description	As per Approval Estimate				As per ammanded Rough cost			Diference		Remarks
		QTY	Rate	Units	Amount	Qty	Rate	Amount	Exess	Saving	
1	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	1	170000	Each	170000	1	170000	170000	0		


Total


170000

170000

0


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 Sheikhpura.


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 Building Sub Division
 Sheikhpura


Executive Engineer,
 Buildings Division
 Sheikhpura

40

AMENDED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF "REVAMPING OF DHQ HOSPITAL DISTRICT SHEIKHUPURA.


ABSTRACT OF COST


S.No	Description	Plinth Area Rates								Remarks
		Plinth Area	Unit	Building Portion	P.H	E.I	S.G	Total Rates	Amount	
1	2	3	4	5	6	7	8	9	10	11
	PART-A (Children Complex)									
1	Improvement / Renovation of Main Building	1	Job	(Detail Attached)					12123365	
2	Nursing Counter	1	Job	(Detail Attached)					640600	
3	Construction Parking Area	1	Job	(Detail Attached)					2306391	
4	S/E of Power Cables	1	Job	(Detail Attached)					1793310	
5	Improvement of Internal Tuff Tile Road	1	Nos	(Detail Attached)					2356196	
6	Improvement of Internal Metalled Road 300 Rft @ 3354.55 P.Rft	1	Nos	(Detail Attached)					1006365	
7	Improvement of External Sewer	1	Nos	(Detail Attached)					3725579	
8	FIRE FITTING / FIRM ALARAM BY HITEK	1	Job	(Detail Attached)					936373	
9	Construction Room for Filtration Plant i/c Water Pump Boring and i/c cost of Filtration Plant.	1	Job	(Detail Attached)					2687513	
10	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	16	P.Rft	6042.25					96676	

S.No	Description	Plinth Area Rates								Remarks
		Plinth Area	Unit	Building Portion	P.H	E.I	S.G	Total Rates	Amount	
1	2	3	4	5	6	7	8	9	10	11
11	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	175	P.Sft	(Detail Attached)				1950	341250	
12	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	2	Nos	(Detail Attached)				85000	170000	
								Total A	28183619	
	PART-B (DHQ Hospital & Trauma Center)									
1	Improvement / Renovation of Main Building	1	Job	(Detail Attached)					14731951	
2	Construction Parking Area	1	Job	(Detail Attached)					1747680	
3	S/E of Power Cables	1	Job	(Detail Attached)					3997327	
4	Improvement of Internal Metalled Road 220 Rft @ 3354.55 P.Rft	1	Nos	(Detail Attached)					738001	
5	Improvement of External Sewer	1	Nos	(Detail Attached)					1327565	
6	FIRE FITHTING / FIRM ALARAM BY HITEK	1	Job	(Detail Attached)					909100	
7	Providing and fixing 5.00 ft dia MS spiral stair comprising of triangular steps made of 1-1/4"x1-1/4"x3/16" duly welded with 3/8"MS squar bars steps, supported/welded with main vertical post of 4" dia GI pipe (Medium Quality) embeded in PCC in ground i/c the cost of pipe railing comprising of 2" dia MS pipe of 16 SWG supportrd with 2 no 5/8" squar bars in each step, i/c fixing & painting complete in all respects as approved and directed by the Engineer Incharge(Measurement will be made above ground level).	16	P.Rft	6042.25					96676	

S.No	Description	Plinth Area Rates								Remarks
		Plinth Area	Unit	Building Portion	P.H	E.I	S.G	Total Rates	Amount	
1	2	3	4	5	6	7	8	9	10	11
8	Providing/Fixing of Glass Door of 12 mm thick complete as approved and directed by the Engineer incharge.	175	P.Sft	(Detail Attached)				1950	341250	
9	S/E of matalic service logo with letter head as per approved sample of complete in all respect.	2	Nos	(Detail Attached)				85000	170000	
								Total B	24059550	
					Net Total (A+B)				52243169	
	Add 5% P.R.A. Tax								2612158	
	Add 1% Green Punjab Tax								522432	
								Total	55377759	
								Say	55.378 M	


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Sheikhupura


Executive Engineer
Buildings Division
Sheikhupura

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Estimate for the Revamping Childeran Complex District Sheikhpura.

1 White wash on old Surface 02 coats after Scraping.

wash room	2	9 7/8	20 7/8	412	Sft
Toilet	2	5 7/8	6 1/4	73	"
Staff Room	1	12 1/2	15 1/4	191	"
Ward Room	1	18	22	396	"
Ward (Labour Room)	1	18	22	396	"
Toilet	2	5	8	80	"
Hall	1	31 1/2	16	504	"
"	1	9 1/2	9 1/6	87	"
Waiting Area	1	25 7/8	12 1/2	323	"
Toilet	1	6	5	30	"
"	1	7	5	35	"
Auto Clave	1	12	14	168	"
Store	1	13 3/4	11 3/4	162	"
Ward	1	28 5/8	23 3/4	680	"
Nurse Counter	1	10 1/4	8 5/8	88	"
Toilet	1	5 2/5	4 1/4	23	"
Dr Office	1	9.92	14 5/8	145	"
Nurse Change Room	2	6.92	11 1/4	156	"
Total				3949	"
@				590.60	% Sft 23323

2 Distemping on old Surface 02 coats after Scraping.

wash room	2x2	(9.875+20.875)	10 1/2	536	Sft
Toilet	2x2	(5.875+6.25)	10 1/2	509	"
Staff Room	1x2	(12.5+15.25)	10 1/2	583	"
Ward Room	1x2	(18+22)	10 1/2	840	"
Ward (Labour Room)	1x2	(18+22)	10 1/2	840	"
Toilet	2x2	(5+8)	10 1/2	546	"
Hall	1x2	(31.5+16)	10 1/2	998	"
"	1x2	(9.5+9.166)	10 1/2	392	"
Waiting Area	1x2	(25.875+12.5)	10 1/2	806	"
Toilet	1x2	(6+5)	10 1/2	231	"
"	1x2	(7+5)	10 1/2	252	"
Auto Clave	1x2	(12+14)	10 1/2	546	"
Store	1x2	(13.75+11.75)	10 1/2	536	"
Ward	1x2	(28.625+23.75)	10 1/2	1100	"
Nurse Counter	1x2	(10.25+8.625)	10 1/2	396	"
Toilet	1x2	(5.416+4.25)	10 1/2	203	"
Dr Office	1x2	(9.92+14.625)	10 1/2	515	"
Nurse Change Room	2x2	(6.92+11.25)	10 1/2	763	"
Total				10592	Sft
@				1234.85	% Sft 130795

3 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 new surface: 02-coats.

	1	(144.416+51.5+85.83)x 16-1/2	4649	Sft
Total				4649 Sft
Deductions	13	4	6	312 Sft
Total				312 Sft
Net Total (4649-312)				4337 Sft
Total				4337 Sft
@				4685.25 % Sft 203199

4 Dismantling glazed or encaustic tiles, etc.

wash room	2	9 7/8	20 7/8	412	Sft
Childern ward	2	50	20 7/8	2088	"
Nursury Ward	1	31 7/8	31 7/8	1016	"
Toilet	2	5 7/8	6 1/4	73	"
Staff Room	1	12 1/2	15 1/4	191	"
Ward Room	1	18	22	396	"
Ward (Labour Room)	1	18	22	396	"
Toilet	2	5	8	80	"
Hall	1	31 1/2	16	504	"
"	1	9 1/2	9 1/6	87	"
I.C.U	1	20 4/7	17 7/8	368	"
Waiting Area	1	25 7/8	12 1/2	323	"
Toilet	1	6	5	30	"
"	1	7	5	35	"
Auto Clave	1	12	14	168	"
OT No.3	1	18.92	21.92	415	"
OT No.2,1	2	17 7/8	21.92	784	"
Store	1	13 3/4	11 3/4	162	"
Ward	1	28 5/8	23 3/4	680	"
Nurse Counter	1	10 1/4	8 5/8	88	"
Toilet	1	5 2/5	4 1/4	23	"
Dr Office	1	9.92	14 5/8	145	"
Nurse Change Room	2	6.92	11 1/4	156	"

wash room	2x2	(9.875+20.875)	3	153	Sft
Childern ward	2x2	(50+20.875)	3	851	"
Nursury Ward	1x2	(31.875+31.875)	3	383	"
Toilet	2x2	(5.875+6.25)	3	146	"
Staff Room	1x2	(12.5+15.25)	3	167	"
Ward Room	1x2	(18+22)	3	240	"
Ward (Labour Room)	1x2	(18+22)	3	240	"
Toilet	2x2	(5+8)	3	156	"
Hall	1x2	(31.5+16)	3	285	"
"	1x2	(9.5+9.166)	3	112	"
I.C.U	1x2	(20.583+17.875)	3	231	"
Waiting Area	1x2	(25.875+12.5)	3	230	"
Toilet	1x2	(6+5)	3	66	"
"	1x2	(7+5)	3	72	"
Auto Clave	1x2	(12+14)	3	156	"
OT No.3	1x2	(18.92+21.92)	3	245	"
OT No.2,1	2x2	(17.875+21.92)	3	478	"
Store	1x2	(13.75+11.75)	3	153	"
Ward	1x2	(28.625+23.75)	3	314	"
Nurse Counter	1x2	(10.25+8.625)	3	113	"
Toilet	1x2	(5.416+4.25)	3	58	"
Dr Office	1x2	(9.92+14.625)	3	147	"
Nurse Change Room	2x2	(6.92+11.25)	3	218	"

Total 13834
@ 1932.50 % Sft 267342

5 P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.

wash room	2	9 7/8	20 7/8	1/6	68	Cft
Childern ward	2	50	20 7/8	1/6	347	"
Nursury Ward	1	31 7/8	31 7/8	1/6	169	"
Toilet	2	5 7/8	6.1/4	1/6	12	"
Staff Room	1	12 1/2	15 1/4	1/6	32	"
Ward Room	1	18	22	1/6	66	"
Ward (Labour Room)	1	18	22	1/6	66	"
Toilet	2	5	8	1/6	13	"

Hall	1	31 1/2	16	1/6	84	"
"	1	9 1/2	9 1/6	1/6	14	"
I.C.U	1	20.4/7	17 7/8	1/6	61	"
Waiting Area	1	25 7/8	12 1/2	1/6	54	"
Toilet	1	6	5	1/6	5	"
"	1	7	5	1/6	6	"
Auto Clave	1	12	14	1/6	28	"
OT No.3	1	18.92	21.92	1/6	69	"
OT No.2,1	2	17 7/8	21.92	1/6	130	"
Store	1	13 3/4	11 3/4	1/6	27	"
Ward	1	28 5/8	23 3/4	1/6	113	"
Nurse Counter	1	10 1/4	8 5/8	1/6	15	"
Toilet	1	5 2/5	4 1/4	1/6	4	"
Dr Office	1	9.92	14 5/8	1/6	24	"
Nurse Change Room	2	6.92	11 1/4	1/6	26	"
Total					1433	Cft
@					28971	% Cft 415159

- 6 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. (Full Body 24"x24")

wash room	2	9 7/8	20 7/8		412	Sft
Staff Room	1	12 1/2	15 1/4		191	"
Ward Room	1	18	22		396	"
Ward (Labour Room)	1	18	22		396	"
Hall	1	31 1/2	16		504	"
"	1	9 1/2	9 1/6		87	"
Waiting Area	1	25 7/8	12 1/2		323	"
Auto Clave	1	12	14		168	"
Store	1	13 3/4	11 3/4		162	"
Ward	1	28 5/8	23 3/4		680	"
Nurse Counter	1	10 1/4	8 5/8		88	"
Dr Office	1	9.92	14 5/8		145	"
Nurse Change Room	2	6.92	11 1/4		156	"
Total					3708	Sft
@					302.30	P Sft 1120928

- 7 Providing and laying superb quality Porcelain glazed tiles on walls 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. (Full Body 24"x24")

wash room	2x2	(9.875+20.875)	5		255	Sft
Staff Room	1x2	(12.5+15.25)	5		278	"
Ward Room	1x2	(18+22)	5		400	"
Ward (Labour Room)	1x2	(18+22)	5		400	"
Hall	1x2	(31.5+16)	5		475	"
"	1x2	(9.5+9.166)	5		187	"
Waiting Area	1x2	(25.875+12.5)	5		384	"
Auto Clave	1x2	(12+14)	5		260	"
Store	1x2	(13.75+11.75)	5		255	"
Ward	1x2	(28.625+23.75)	5		524	"
Nurse Counter	1x2	(10.25+8.625)	5		189	"
Dr Office	1x2	(9.92+14.625)	5		245	"
Nurse Change Room	2x2	(6.92+11.25)	5		363	"
Total					4215	Sft
@					302.30	% Sft 1274195

- 8 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. (12"x18")

Toilet	2	5 7/8	6 1/4	73	Sft
"	2	5	8	80	"
"	1	6	5	30	"
"	1	7	5	35	"
"	1	5 2/5	4 1/4	23	"
Total				241	Sft
@				202.80	P Sft 48875

- 9 Providing and laying superb quality Ceramic tile on walls 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. (12"x18")

Toilet	2x2	(5.875+6.25)	5	243	Sft
"	2x2	(5+8)	5	260	"
"	1x2	(6+5)	5	110	"
"	1x2	(7+5)	5	120	"
"	1x2	(5.416+4.25)	5	97	"
Total				830	Sft
@				209.70	P Sft 174051

- 10 Preparing surface and painting to door and windows any type two coat. Brushing and scraping blisters of old paints from 100 Sft. woodwork.

D1	12x2	5	8 1/2	1020	Sft
D2	6x2	4	8 1/2	408	"
D3	10x2	2 1/2	7	350	"
W1	22x2	4	6	1056	"
W2	4x2	8	6	384	"
W3	8x2	2	1 1/2	48	"
Total				3266	"
@				1758.45	% Sft 57431

- 11 S/E of SMD light 50-Watts best quality. complete in all respects and as approved by the Engineer Incharge.
Main Building

50	50 No
Total	50 No's
@	12500.00 Each 625000

- 12 Wall cladding with PVC (Amclad) using silver ion technology i.e silver ionization proven effective against all common microbes, including bacteria, mold and fungi along with GI substructure and gypsum board for OT's with installation.

OT No.3	1x2	(18.92+21.92)	10 1/2	858	"
OT No.2,1	2x2	(17.875+21.92)	10 1/2	1671	"
Total				2529	Sft
@				1960.00	P Sft 4956840

- 13 Dampa ceiling with clip in or hook on suspension for the prevention of bacteria etc.

OT No.3	1	18.92	21.92	415	"
OT No.2,1	2	17 7/8	21.92	784	"
Total				1199	Sft
@				385.00	P Sft 461615

- 14 Anti-bacterial/Antistatic flooring with self-leveling compound.(FOR FLOOR)

OT No.3	1	18.92	21.92	415	"
OT No.2,1	2	17 7/8	21.92	784	"
Total				1199	Sft
@				710.00	P Sft 851290

15	P/L vinyl flooring with real wood texture with complete will all respect as approved by Engineer Incharge								
	OT No.3	1	18.92	21.92		415	"		
	OT No.2,1	2	17 7/8	21.92		784	"		
					Total	1199	Sft		
					@	110.00	P Sft	131890	
16	P/F fiber glass sun shade in the front of hospitals opening complete with all respect as approved by Engineer Incharge.								
		22	1			22 No's			
					Total	22 No's			
					@	16500.00	Each	363000	
17	Providing and fixing 1½" (40mm) thick solid flush door shutter Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.								
	D1	5	5	7		175	Sft		
					Total	175	Sft		
					@	453.75	P Sft	79406	
18	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre on bottom rail of flush doors only of commercial ply.								
	D1	1x2	5	7		70	Sft		
		70	10.33	212					
		212 x5				1061	Rft		
					Total	1061	"		
					@	61.00	P Rft	64697	
19	Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger plate, 6" (150 mm)								
	D1	5	5	7		175	Sft		
					Total	175	"		
					@	46.90	P Sft	8208	
20	P/F (2 ½' x7') Deluxe U-PVC super Q-box door with U-PVC door frame/threshold (Duero frame KBI) i/c latch lock of M.S World Comex trading co: site No.26,27-F ShamaPlaza Ferozpur road Lahore Ph:7583774 or approved equal by the Engineer incharge complete in all respect as per drawing & manufacturer sample.								
		10	2 1/2	7		175	Sft		
					Total	175	"		
					@	925.00	PSft	161875	
21	P/F C.P bathroom accessories set (07-Pieces) (imported best quality) comprising of looking glass, towel rail, plastic shelf, soap dish, brush holder, towel ring, toilet paper holder etc i/c cost of rawal plug special S.S screws carriage etc complete in all respect as approved by the Engineer Incharge.								
		11				11	Nos		
					Total	11	"		
					@	6600.00	Each	72600	
22	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge								
		1	60			60	Rft		
					Total	60	Rft		
					@	1776.10	P Rft	106566	

23 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc complete in all respect.1.6 mm

2 4 6

	48	Sft
Total	48	"
@	606.50	PSft

29112

24 Providing and fixing of M.S. grill of 3/8"x3/8" sq bar i/c M.S flat 3/4"x3/16" for frame in windows of approved design 6 No holdfast 9" long of M.S. iron 3/4"x3/4"x1/8" painting three coats i/c cost of labour material and carriage welding etc complete in all respect as approved by the Engineer incharge.

2 4 6

	48	Sft
Total	48	"
@	647.50	PSft

31080

25 P/L false ceiling comprising of 5/8" thick plaster of paris sheet of required design with one line of 6" wide niche all around , hanging with Copper wire (16 SWG) duly enriched with POP and flaxen i/c the cost of making space for rope light /screws/jute/making holes for lights and rawal plugs complete in all respects as approved and directed by the Incharge.(Measurement will be open waiting area

1 60 20

	1200	Sft
Total	1200	"
@	93.20	PSft

111840

Total	11770257
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Add 3% Contingency 353108

Total	12123365
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(50)

NURSING COUNTER

- 1 Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.

1	8	0.75	3.5	21	Cft
1	10	0.75	3.5	26	Cft
2	3.5	0.75	3.5	18	Cft
1	4.5	0.75	2.5	8	Cft
1	6.5	0.75	2.5	12	Cft
Total				86	Cft
@				26709.95	% Cft 23037

- 2 ½" thick cement sand plaster (1:4) upto 20-ft height.

1x2	8	3.5		56	Sft
1x2	10	3.5		70	Sft
2x2	3.5	3.5		49	Sft
1x2	4.5	2.5		23	Sft
1x2	6.5	2.5		33	Sft
Total				230	Sft
@				2595.85	% Sft 5970

- 3 P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.

1	8	3.5	0.25	7	Cft
1	6.5	3.5	0.25	6	Cft
1	8	2	0.25	4	Cft
1	6.5	2	0.25	3	Cft
Total				20	Cft
@				471.95	P.Cft 9410

- 4 Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges Qty item above.

20	6.75	0.454	61	Kg
@				26308.65
				% Kg 16074

- 5 Providing and laying ¾" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over ¾" 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

1	10	3.5		35	Sft
1	10	2		20	Sft
1	4.5	3.5		16	Sft
1	4.5	2		9	Sft
Total				80	Sft
@				369.40	P.Sft 29460

- 6 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over ½" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge full body 16"x16"

1	10	3.5		35	Sft
1	8	3.5		28	Sft
2	3.5	3.5		25	Sft
Total				88	Sft
@				260.75	P.Sft 22816
				Total	106767

Cost for One No. 106767
Cost for 6 Nos. 6 x 106767 640600

Say Rs. 640600

Sub Engineer

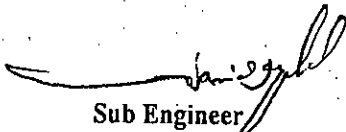
Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

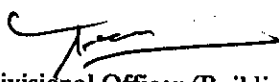
Construction of Parking Area

- 1 Supply and Erection of Car Parking Shed consisting of 3 mm. thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"x16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S.sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation, cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge (4" dia G I pipe Support)

1	100	25	2500	Sft
1	80	20	1600	Sft

Total	4100	"	
@	546.15	P Sft	2239215
Add 3% Contingency.			67176
Net Total			2306391


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

DETAIL OF ELECTRIC POWER CABLES

82


S. No	Description	Qty	Unit	Rate	Amount
1	Supply at site, fabrication, installation, testing, commissioning and connections of wires/cables of Distribution Boards concealed type to be installed on site and made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 15 micron thickness in approved color with hinged door, flexible earthing strap lockable handle, catcher earthing bar neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials. All DBs mentioned below shall have 3 phase indication lamps transformer type of color Red, Yellow, Blue and 1-voltmeter scaled 0-500 v. with Voltmeter selector switch including all incoming and outgoing breakers manufactured by Siemens, ABB, CLIPSAL or Approved equal. Complete in all respect and to the instruction of the Engineer in charge. Incoming 1 No: 600 Amps 3 phase adjustable MCCB with overload and short circuit protection, R.C. not less than 25 kA, with additional 4 copper flats for cable connections on incoming side of MCCB. Outgoing 3Nos: 100 Amps 3 Phase MCBs. 5Nos: 63 Amps 3 Phase MCBs + 10 No:20 Amp 1 Phase MCBs	1	P.Job	357963	357963
2	Supply / Erection of Change over switch 500 Amp fixed in Panel Board complete in all respect as approved by the Engineer Incharge.	7	Each	35000	245000
3	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 an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 3/0.029"	8500	P.Rft	20.95	178075
4	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 an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 7/0.029"	4500	P.Rft	33.00	148500
5	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 an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 7/0.064"	2500	P.Rft	141.05	352625
6	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer	20	Each	1259.40	25188
7	S/E of fancy piano type switch 5-Amp (Bush / Hilife)	100	Each	80.00	8000
8	S/E of fancy type wall socket 10-Amp Bush / Hilife	20	Each	250.00	5000
9	S/E of power plug 3-pin Bush with combined (Hilife)	10	Each	673.80	6738
10	S/E of fancy type dimmer for ceiling fan (Bush / Hilife)	20	Each	449.40	8988
11	S/E of ceiling light 8" dia 18Watt	180	Each	2250.00	405000
				Total	1741077

Add 3% Contingency

52232

Net Total

1793310


Sub Divisional Officer
Buildings Sub Division
Sheikhupura

ELECTRICAL WORKS (LED ROAD LIGHTING FIXTURE)

801 (a)	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I. welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in pre-laid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge. 10' height double arm		Each	79575.95	79576
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54

DETAIL OF TUFF PAVER

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
------	-------------	----	--------	---------	-------	----------	--------

- 1 Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil

2 x 2 x 150 x 1.5 x 1 = 900 Cft
1 x 2 x 100 x 1.5 x 1 = 300 Cft

Total: = 1200 Cft

@ 8727.95 %0Cft 10474

- 2 P/L Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:18.

2 x 2 x 150 x 1.5 x 0.33 = 297 Cft
1 x 2 x 100 x 1.5 x 0.33 = 99 Cft

Total: = 396 Cft

@ 14251.50 %Cft 56436

- 3 Pacca brick work in foundation and plinth in:- I) Cement, sand mortar:- Ratio 1:6

2 x 2 x 150 x 1.125 x 0.25 = 169 Cft
2 x 2 x 150 x 0.75 x 3.5 = 1575 Cft
1 x 2 x 100 x 1.125 x 0.25 = 56 Cft
1 x 2 x 100 x 0.75 x 3.5 = 525 Cft

Total: = 2325 Cft

@ 25322.25 %Cft 588742

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

2 x 2 x 150 x 0.75 x 0.125 = 56 Cft
1 x 2 x 100 x 0.75 x 0.125 = 19 Cft

Total: = 75 Cft

@ 28971.05 %Cft 21728

- 5 Filling watering ramming earth under floor With Surplus earth from foundation

1200 x 0.667 = 800 Cft

Total: = 800 "

@ 4197.60 %o Cft 3358

- 6 Filling watering ramming earth under floor with new earth With new earth excavated from outside lead up to 03 mile

2 x 150 x 12 2.5 = 9000 Cft
1 x 100 x 10 2.5 = 2500 "

D/D Surplus Earth -800 "

Total: = 10700 Cft

@ 14516.48 %0 Cft 155326

- 7 Sand filling under floors.

2 x 150 x 12 0.333 = 1199 Cft
1 x 100 x 10 0.333 = 333 "

Total: = 1532 Cft

@ 2863.20 %Cft 43864

S.No	Description	No	Length	Breadth	Depth	Contents	Amount
------	-------------	----	--------	---------	-------	----------	--------

- 8 P/L Pit run or bed run gravel sub-base course of stone product of approved quality and grade i/c placing mixing spreading and compaction of sub-base material to required depth camber grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work from quarry distance upto 170 Km.

2 x 150 x 12 x 0.5 = 1800 Cft

1 x 100 x 10 x 0.5 = 500 Cft

Total: = 2300 Cft

@ 11738.75 %Cft 269991

- 9 Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect.

60 mm thick 2 x 150 x 12 = 3600 Sft

60 mm thick 1 x 100 x 10 = 1000 Sft

Total: = 4600 Sft

@ 121.35 P Sft 558210

- 1 Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect 18" height i/c painting

4 x 150 = 840 Rft

2 x 100 = 760 Rft

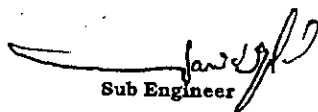
Total: = 1600 Rft


@ 362.15 P-Rft 579440

Total = Rs: 2287569

Add 3% Contingency 68627

Total = Rs: 2356196


Sub Engineer


Sub Divisional Officer Buildings
Sub Division of Sheikhpura

Sr. No.	Description of Items	Qty	Unit	Rate	Amount
1	Survey and Mapping	0.25	P.Km	12000	3,000
2	Dismantling of existing road Edging	308	%Cr	650.75	2,001
3	Dismantling of Existing Road Pavement.	4869	%Cr	2044.15	99,525
4	Compaction of bed with power road roller 95% compaction.	3895	%OCR	810.50	3,157
5	Making Embankment (Ew) with 2 Km lead with 95% compaction.	21272	%OCR	10801.18	229,763
6	Relaying of Sub base course of old Dismantled material Received from Existing Road pavement.	4382	%Cr	3727.50	163,334
7	P/L Sub base course of crushed stone aggregate 6" thick from approved quarry	538	%Cr	10369.02	55,798
8	P/L Road Edging 3" wide 9" deep.	1640	P.Rft	45.20	74,128
9	P/L Base Course of crushed stone aggregate (W.B.M) 8" thick from approved quarry.	5563	%Cr	13764.56	903,407
10	P/L Priming Coat Using 10 Lbs Bitumen and 10 Lbs K-Oil %Sft Area.	9840	%Sft	1171.35	115,261
11	P/L plant premixed carpet 2" thick (AWC) by using 4.5% bitumen contents	9840	%Sft	9912.75	975,415
	Sub Total				2,624,788
	III-MISCELLANEOUS				
15	Lane marking with T.P paint 5" wide	1640	P.Rft	32.40	53,136

PC-1 ROUGH COST ESTIMATE FOR REHABILITATION OF METALLED ROAD AT

Sr. No.	Description of Items					Qty	Unit	Rate	Amount
16	Providing & Fixing cat eyes					33	Each	325	10,560
	Sub Total								63,796
	Total								2,688,584
	<u>Credit of old Material</u>								
1	Brick Bat								
	308	x	0.4						
				@	=	123	Cft		
2	Bricks					3000	Per.% Cft	=	3,690
	308	x	0.6	x	13.5				
				@	=	2491	No's		
					5700	%0No's	=		14,197


Total D/d = 17,887

Total 2,670,697

Add 3% Contingency on Rs. 2,667,697

Grand Total 2,750,728

Rate P.Rft 3,354.55


Sub Engineer


Sub Divisional Officer
Buildings Sub Division, Shelkhpura

I-ROAD WORK 1 Survey and Mapping

2 Dismantling of existing road Edging

Edging									
Km	0.00	to	0.25	=	0.25	km			
	2	x	0.25	x	3280	x	0.25	x	0.75

Total = 0.25 Km

= 308 Cft
Total = 308 Cft

3 Dismantling of Existing Road Pavement

Km	0.00	to	0.25	=	0.25	km			
	1	x	0.25	x	3280	x	9.5	x	0.625
							(9+10/2)		(0.67+0.58/2)

= 4869 Cft

Total = 4869 Cft

4 Compaction of bed with power road roller 95% compaction.

Bed									
Km	0.00	to	0.25	=	0.25	km			
			0.25	x	3280	x	9.5	x	0.5

= 3895 Cft

Total = 3895 Cft

5 Making Embankment (E/w) with 2 Km lead with 95% compaction.

Filling trench as per Item No. 2

= 308 Cft

Filling trench as per item No. 3

= 4869 Cft

Km	0.00	to	0.25	=	0.25	km			
	1	x	0.25	x	3280	x	28	x	2
							(24+32/2)		

= 45920 Cft

Total = 51096 Cft

Old Existing

1	x	0.25	x	3280	x	20	x	1	
							(16+24/2)		

= 16400 Cft

Old Road Crust

1	x	0.25	x	3280	x	12	x	1.333	
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= 13117 Cft

Old Road Edging

2	x	0.25	x	3280	x	0.25	x	0.75	
---	---	------	---	------	---	------	---	------	--

= 308 Cft

Total Deduction = 29824 Cft

Net Total = 21272 Cft

6 Relaying of Sub base course of old Dismantled material Received from Existing Road pavement.

Qty as per Item No. 5

4869 x 90%

Total = 4382 Cft

7 P/L Sub base course of crushed stone aggregate 6" thick from approved quarry

Km	0.00	to	0.25	=	0.25	km			
	1	x	0.25	x	3280	x	12	x	0.5

= 4920 Cft

Total = 4920 Cft

= -4382 Cft

Net Total = 538 Cft

Old old Dismantled Material as per Item No. 10

8 P/L Road Edging 3" wide 9" deep.
 Km 0.00 to 0.25 = 0.25 km
 2 x 0.25 x 3280

= 1640 Rft
 Total = 1640 Rft

9 P/L Base Course of crushed stone aggregate (W.B.M) 8" thick from approved Total
 Km 0.00 to 0.25 = 0.25 km
 1 x 0.25 x 3280 x 12 x 0.687

= 6563 Cft
 Grand Total = 6563 Cft

10 P/L Priming Coat Using 10 Lbs Bitumen and 10 Lbs K-Oil %Sft Area.
 Km 0.00 to 0.25 = 0.25 km
 1 x 0.25 x 3280 x 12

= 9840 Sft
 Total = 9840 Sft

11 P/L plant premixed carpet 2" thick (AWC) by using 4.5% bitumen contents
 Km 0.00 to 0.25 = 0.25 km
 1 x 0.25 x 3280 x 12

= 9840 Sft
 Total = 9840 Sft


III-MISCELLANEOUS

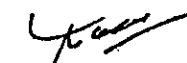
12 Lane marking with T.P paint 5" wide
 Yellow
 2 x 0.25 x 3280
 (1+1)

= 1640 Rft
 Total = 1640 Rft

13 Providing & Fixing cat eyes
 2 x 0.25 x 3280 x 0.02

= 33 No's
 Total = 33 Nos.


 Sub Engineer


 Sub Divisional Officer
 Buildings Sub Division
 Sheikhpura

65


MEGA PROJECT RATES WITH 4.16% ON MRS
MRS BI-ANNUAL PERIOD (2nd BI ANNUAL 2021) SHEIKHUPURA

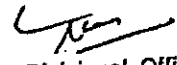
Sr	Description	MRS Rate	D/d Machinery Cost	Net MRS rate	Add 4.16% for mega project	Total rate for mega project
1	Earth work 95% to 100%	6657.55		6657.55		6657.55
2	Earth work (Without compaction)	6657.55	885.5	5772.05		5772.05
3	Earth work 85%					
4	Excavation for Structure	8078.40		8078.40		8078.40
5	Excavation in open cutting	6,811.90		6811.90		6811.90
6	Carriage (for E/w)					
7	Upto 1/4 mile lead					3396.40
8	1/4 Mile to 1.60 Km (320 Rft)					44.15
9	1.60 Km to 8.00 Km (1320 Rft)					224.15
10	Raising of Manhole Cover 6" thick			0.00		0.00
11	R.C.C					
12	Regular Excavatin dressed	3,961.60		3961.60		3961.60
13	Regular Excavatin Undressed	3,445.20		3445.20		3445.20
14	Compaction of earth work					810.50
15	Dismantling of road edging	650.75		650.75		650.75
16	Dismantling of cement concrete	13,780.80		13780.80		13780.80
17	Dismantling of cement concrete 1:2:4 Plain	8,421.60		8421.60		8421.60
18	Dismantling of DPC 1.5" thick	1,148.40		1148.40		1148.40
19	Dismantling of PCC (1:4:8)	4,210.80		4210.80		4210.80
20	Dismantling of road pavement	2,044.15		2044.15		2044.15
21	Dismantling of road matalling	1,531.20		1531.20		1531.20
22	Dismantling of Brickwork in Lime or Cement Mortar.	3253.8		3253.80		3253.80
23	PCC (1:6:12) Brick or stone ballast	13272.3		13272.30		13272.30
24	PCC (1:4:8) Brick or stone ballast	15443.1		15443.10		15443.10
25	PCC (1:4:8 Plain	24020.02		24020.02		24020.02
26	PCC (1:2:4) Plain	28986.85		28986.85		28986.85
27	RCC (1:2:4) Bed Plate	342.68		342.68		342.68
28	RCC (1:2:4) Slab	453.73		453.73		453.73
29	Fabrication of mild steel (G-40)	19958.25		19958		19958.25
30	Fabrication of mild steel (Plain)	17359.85		17360		17359.85
31	Heavy Steel Works	10627.15		10627		10627.15
32	Breaking brick ballast 2"	2392.5		2392.50		2392.50
33	Breaking brick ballast 1.5"	2679.6		2679.60		2679.60
34	Pacca brick work (1:4)	24318.05		24318.05		24318.05
35	Brick on edge flooring	10,347.90		10347.90		10347.90
36	Cement plaster 1:3 1/2" thick	2406.7		2406.70		2406.70
37	Cement Pointing struck joint 1:3	2389.2		2389.20		2389.20
38	SrBase Crushed Aggregate	4951.5	1149	3802.50		4951.50
39	Relaying of road pavement	3727.5		3727.50		3727.50
40	Road Edging	45.2		45.20		45.20
41	Base Course	8256.75	1149	7107.75		8256.75
42	Prime coal 10 Lbs	1171.35		1171.35		1171.35
43	TST (35 Lbs) 1st coat	2424.55	25.52	2399.03		2424.55
44	TST (18 Lbs) 2nd coat	1286.1	19.63	1266.47		1286.10
45	TST (14 Lbs) 3rd coat	985.9	13.43	972.47		985.90
46	Plant Premixed ABC 4% for 2.5" thick (4274.00x)	10685		10685.00		10685.00
47	Plant Premixed AWC 4.5% for 2" thick (4585.05x)	9170.10		9170.10		9170.10
48	Scaryfying old road surface	319		319.00		319.00

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40	Brick Soling	20573.55		20573.55	20573.55
45	Carriage for material 0 to 10 Km				769.25
44	11 to 200 Km				30.45
45	Kerb Stone 14" high	0		0.00	0.00
45	Pacca Brick work in F&P (1:6)	0			
47	C.S.M.				
	Preparing surface and painting of small detached articles, not exceeding one sq. ft. (Sq.m) of paint	1663.65+987.15+987.15		3637.95	3637.95
43	Pacca Brick work in F&P (1:6)				0.00
43	C.S.M. in Ground Floor				0.00
43	Pacca Brick work in F&P (1:6)				0.00
43	C.S.M. OTB 20 to 30 ft height				0.00
50	RCC 1:1.5:3 with out Horizontal Shuttering	335.45		335.45	335.45
51	PVC Pipe 3" dia (75 MM) 48.33x0.20			0.00	0.00
52	RCC Pipe 9 Inner Dia			0.00	0.00
52	RCC Pipe 6 Inner Dia			0.00	0.00
53	DPC 2" thick			0.00	0.00
54	DPC 1.5" thick			0.00	0.00
55	DPC 1/2" thick vertical			0.00	0.00
56	Cement plaster 1:5 3/4" thick upto 20' height			0.00	0.00
57	Cement plaster 1:5 3/4" thick from 20' to 30' height			0.00	0.00
58	Cement plaster 1:5 3/4" thick from 30' to 40' height			0.00	0.00


Sub Engineer


Sub Divisional Officer
Buildings Sub Division Sheikhpura

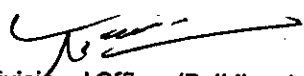
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EXTERNAL DEVELOPMENT

GENERAL ABSTRACT

Sr No.	Items of work	Amount
1	External Sewerage	1347110
2	External Water Supply	1261128
3	External Roads	900312
4	Septic Tank	108517
Total		3617067
Add 3% Contingency		108512
Total		3725579


Sub Divisional Officer (Buildings)
Sub Division Sheikhupura

SEWER LINE

Sr. No.	Description	Qty	Rate	Unit	Amount
1	2	3	4	5	6
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level	4260	7272.55	%o Cft	30981
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.				
A	12" dia. Pipe	710	637.05	P Rft	452306
3	Re-handling of earth lead upto single through of kassi.	3408	2059.2	%o Cft	7018
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover compleere in all respect. (Analysis Attached)	24	35700	Each	856806
Total					1347110


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhupura

SEWER LINE

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S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.		710	2	3	4260 Cft
					Total	4260.0 Cft
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.					
A	12" dia. Pipe		710			710 Rft
3	Re-handling of earth lead upto single through of kassi.	1	4260	X	80%	3408.00 Cft
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover complete in all respect.					24 Nos



Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

MAN HOLE (INNER SIZE 3'X3'X3'-6")

Sr. No.	Description	Qty	Rate	Unit	Amount
1	2	3	4	5	6
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.	41	7272.55	%o Cft	295
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)	10	14251.5	% Cft	1443
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.	39	26709.95	% Cft	10517
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.	1.49	28971.35	% Cft	433
5	½"thick cement sand plaster (1:4) upto 20-ft height.	89	2595.85	% sft	2317
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	8.82	471.8	P Cft	4159
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	27	26308.85	% Kg	7107
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.	9	2308.9	% sft	208
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.	1	9222.4	Each	9222
				Total	35700


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

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MAN HOLE (INNER SIZE 3'X3'X3'-6")

S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.					
		1	4.5	4.5	2	40.50 Cft
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:12)					
		1	4.5	4.5	0.5	10.13 Cft
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.					
		2	4.5	0.75	3.5	24 Cft
		2	3	0.75	3.5	16 Cft
					Total	39.38 Cft
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.					
		1	3	3	0.166	1.49 Cft
5	½" thick cement sand plaster (1:4) upto 20-ft height.					
	Inside	4	3		3.5	42 Sft
	Top	2	3		0.75	5 Sft
		2	4.5		0.75	7 Sft
	Outside	4	4.5		2	36 Sft
					Total	89.25 Sft
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.					
		1	4.5	4.5	0.5	10 Cft
	D/D Man hole cover	3.14	1.83	1.83	0.5/4	1.31
					Total	8.82
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.					
	Qty item above.	1	8.82	6.75	0.454	27.01 Kg
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.					
		1	3	3		9.0 Sft
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.					
						1.0 No


Sub Engineer

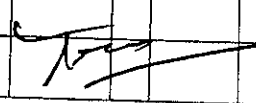
Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

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WATER SUPPLY					
Sr.N o	DESCRIPTION	Qty	UNIT	RATE	AMOUNT
I	S.I.R				
1	Providing and installing P.V.C. blind pipe, B.S.S. Class "D" complete				
i	4" dia	1595	P.Rft	657.4	1048553
ii	2" dia	350	P.Rft	177.15	62003
iii	1-1/2" dia	400	P.Rft	136.6	54640
2	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe Beta or any approved firm in trenches, Cost of sockets, tees, elbows, bends, valves, crosses, unions and plugs, are included in the rates except for internal PPRC piping & Threaded Specials				
	25mm	750	P.Rft	53.55	40163
	32mm	650	P.Rft	85.8	55770
				Total	1261128


Sub Engineer



Sub Divisional Officer
Buildings Sub Division
Sheikhupura

(FIRE FITTING / FIRE ALARM BY HITEK)									
1	Fire Extinguisher DCP type 06 kg with Nozzle and wall bracket (Imported).								
				14 - Nos			@	3250.00	Each 45500/-
2	Fire Extinguisher CO2 type 05 kg with Nozzle and wall bracket (Imported).								
				14 - Nos			@	5620.00	Each 78680/-
3	Jet Nozzle brass material Pak made.								
				14 - Nos			@	3850.00	Each 53900/-
4	Firefighting Delivery Hose 1.5" 50 feet imported.								
				14 - Nos			@	11320.00	Each 158480/-
5	Fire Hose cabinet to Accommodate 01 delivery hose and a jet nozzle.								
				14 - Nos			@	5680.00	Each 79520/-
6	Smoke Detector Battery operated.								
				4 - Nos			@	1740.00	Each 6960/-
7	Fire Alarm.								
				6 - Nos			@	2310.00	Each 13860/-
8	04-Zone Fire Alarm Control panel, 04-Zone Fire Alarm Control panel complete with (Batteries 30 Hours UPS Services) 240V, Brand C-TEC made in UK approved LPCB.								
				2 - Nos			@	49300.00	Each 98600/-
9	Smoke Detector optical type with base.								
				30 - Nos			@	3560.00	Each 106800/-
10	Heat Detector optical type with base.								
				30 - Nos			@	3560.00	Each 106800/-
11	Fire Alarm sounder with base.								
				2 - Nos			@	3850.00	Each 7700/-
12	Manual Call point with cover, manual call point Break Glass type.								
				2 - Nos			@	2260.00	Each 4520/-
13	Installation charges, including 1.5mm cable with pvc pipe/duct complete fitting, testing commissioning complete system and training of fire alarm system.								
				1 - Job			@	82500.00	P.Job 82500/-
14	Supply & Installation of fire Hydrant system, surface type fire Hydrant single delivery size inlet 3" outlet 2-1/2" with blank cap.								
				4 - Nos			@	16320.00	Each 65280/-
									Total:- 909100/-
									Add 3% Contingency 27273/-
									Net Total 936373/-
 SUB DIVISIONAL OFFICER, Buildings Sub Division, Sheikhpura									

FILTRATION PLANT

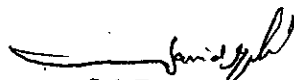
Sr. No.	DESCRIPTION OF WORK	AMOUNT
1.	Construction Room for Filtration Plant size 12x12 with Verandah 7' wide 1x21-1/4x13-1/2 = 287 Sft @ 3078/- P.Sft	883386
2.	Boring with Electric Water Pump G-II complete in all respect (Detail Attached).	383287
3.	Filtration Plant (Quatition Attached).	822000
4.	Cost of PVC insulated and PVC sheated copper conductor 19/0.052 4 core 120 Mtr @ 3252.60 P.Mtr =	390312
5.	Electric Pannel board .(18"x24"x6")	41912
Total =		2520897
Add 10% External Development on Rs. 667575/-		88339
Total =		2609236
Add 3% Contingency		78277
Total =		2687513

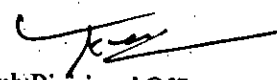

Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Sheikhupura

Filtration Plant

WATER SUPPLY / BORING					
Sr.No	DESCRIPTION	Qty	UNIT	RATE	AMOUNT
I	S.I.R				
1	Boring of tube well 5" dia i/c sinking and with drawing of using pipe .				
i	0'-100' depth	100	P.Rft	483.8	48380
ii	100'-200'	100	P.Rft	810.7	81070
iii	200'-300'	100	P.Rft	1131.65	113165
2	P/I PVC baill / end plug in bore hole 2" dia .	1	Each	84.4	84
3	P/I PVC strainer in bore hole i/c sockets BSS class D2 i/dia	30	P.Rft	114.35	3431
4	P/I PVC blind pipe i/c sockets				
i	BSS class D4 i/dia	30	P.Rft	687.45	20624
ii	BSS class D2 i/dia	244	P.Rft	199.1	48580
iii	BSS class D1-1/4" i/dia	30	P.Rft	111.3	3339
iv	BSS class D1-1/2 "i/dia	290	P.Rft	136.6	39614
5	P/F water supply pump G.II i/c electric motor complete with all connection and as per specification.				
		1	Each	25000	25000
				Total	383287


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Sheikhupura

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Estimate for the Revamping District Headquarter Hospital (DHQ, Truama Center) at District Sheikhpura.

1 White wash on old Surface 02 coats after Scraping.

Foyer	1	18 3/4	10 1/4	192	Sft
"	1	21 1/4	12 3/8	263	"
Interance hall	1	21 1/4	16 1/2	351	"
CMO	1	10 1/4	19 1/4	197	"
bath	1	6	5	30	"
Procedore	1	21 1/4	14 1/4	303	"
Female staff room	1	21 1/4	9 1/4	197	"
Lav	1	21 1/4	14 1/2	308	"
Toilet	1	7	4 1/2	32	"
W.C	4	3	4	48	"
Dirty utility	1	9 7/8	4	40	"
Scrub Room	2	10 1/2	9 1/4	194	"
OPT	1	21 1/4	19 1/4	409	"
Staff lounge	1	11 3/4	14 5/8	172	"
Toilet	1	7 7/8	5 1/3	42	"
Dressing	1	6.75	5.33	36	"
Store	1	8 1/4	7.63	63	"
Cooridoor	2	60	7 1/4	870	"
Exam Room	1	15 3/4	14 1/4	224	"
"	1	4 3/4	7	33	"
Toilet	1	4 3/4	6 7/8	33	"
Ortho	1	15 3/4	14 1/4	224	"
Exam Room	1	15 3/4	14 1/4	224	"
Toilet	1	4 3/4	6 7/8	33	"
Plaster Room	1	15 3/4	19 1/4	303	"
Pharmacy	1	15 3/4	9 1/4	146	"
Nurse Station	1	10 1/4	9 1/4	95	"
Emergency Duty Dr.	1	10	19 1/4	193	"
Emergency Ward	4	21 1/4	19 1/4	1636	"
Ultrasound Room	1	13 1/2	9 1/4	125	"
bath	1	7	5	35	"
Stationary Room	1	7	9 1/3	65	"
bath	1	6 7/8	4	28	"
Lav	1	10	10	100	"
W.C	4	4	3	48	"
Xray Room	1	21 1/4	19 1/2	414	"
Dark Room	1	7	5	35	"
Lav	1	21 1/4	14 1/2	308	"
W.C	4	4	3	48	"
Store	1	7	4	28	"
Kitchen	1	6	5 1/2	33	"
Cooridoor	1	206 1/4	9 1/4	1908	"
Ramp	1	54 1/2	7 1/3	399	"

Total 10465
@ 590.60 % Sft 61806

2 Distempering on old Surface 02 coats after Scraping.

Foyer	1x2	(18.75+10.25)	10 1/2	609	Sft
"	1x2	(21.25+12.375)	10 1/2	706	"
Interance hall	1x2	(21.25+16.5)	10 1/2	793	"
CMO	1x2	(10.25+19.25)	10 1/2	620	"
bath	1x2	(6+5)	10 1/2	231	"
Procedore	1x2	(21.25+14.25)	10 1/2	746	"
Female staff room	1x2	(21.25+9.25)	10 1/2	641	"
Lav	1x2	(21.25+14.5)	10 1/2	751	"
Toilet	1x2	(7+4.5)	10 1/2	242	"
W.C	4x2	(3+4)	10 1/2	588	"
Dirty utility	1x2	(9.875+4)	10 1/2	291	"
Scrub Room	2x2	(10.5+9.25)	10 1/2	830	"
OPT	1x2	(21.25+19.25)	10 1/2	3581	"
Staff lounge	1x2	(11.75+14.625)	10 1/2	554	"
Toilet	1x2	(7.875+5.33)	10 1/2	277	"
Dressing	1x2	(6.75+5.33)	10 1/2	254	"
Store	1x2	(8.25+7.625)	10 1/2	333	"

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Cooridoor	2x2	(60+7.25)	10 1/2	2825	"
Exam Room	1x2	(15.75+14.25)	10 1/2	630	"
"	1x2	(4.75+7)	10 1/2	247	"
Toilet	1x2	(4.75+6.875)	10 1/2	244	"
Ortho	1x2	(15.75+14.25)	10 1/2	630	"
Exam Room	1x2	(15.75+14.25)	10 1/2	630	"
Toilet	1x2	(4.75+6.875)	10 1/2	244	"
Plaster Room	1x2	(15.75+19.25)	10 1/2	735	"
Pharmacy	1x2	(15.75+9.25)	10 1/2	525	"
Nurse Station	1x2	(10.25+9.25)	10 1/2	410	"
Emergency Duty Dr.	1x2	(10+19.25)	10 1/2	614	"
Emergency Ward	4x2	(21.25+19.25)	10 1/2	1701	"
Ultrasound Room	1x2	(13.5+9.25)	10 1/2	478	"
bath	1x2	(7+5)	10 1/2	252	"
Stationary Room	1x2	(7+9.33)	10 1/2	343	"
bath	1x2	(6.875+4)	10 1/2	228	"
Lav	1x2	(10+10)	10 1/2	420	"
W.C	4x2	(4+3)	10 1/2	294	"
Xray Room	1x2	(21.25+19.5)	10 1/2	856	"
Dark Room	1x2	(7+5)	10 1/2	252	"
Lav	1x2	(21.25+14.5)	10 1/2	751	"
W.C	4x2	(4+3)	10 1/2	588	"
Store	1x2	(7+4)	10 1/2	231	"
Kitchen	1x2	(6+5.5)	10 1/2	242	"
Cooridoor	1x2	(206.25+9.25)	10 1/2	4526	"
Ramp	1x2	(54.5+7.33)	10 1/2	1298	"
Total				32241	"
@				1234.65	% Sft 398064

3 Dismantling glazed or encaustic tiles, etc.

Foyer	1	18 3/4	10 1/4	192	Sft
"	1	21 1/4	12 3/8	263	"
Interance hall	1	21 1/4	16 1/2	351	"
CMO	1	10 1/4	19 1/4	197	"
bath	1	6	5	30	"
Procedore	1	21 1/4	14 1/4	303	"
Female staff room	1	21 1/4	9 1/4	197	"
Lav	1	21 1/4	14 1/2	308	"
Toilet	1	7	4 1/2	32	"
W.C	4	3	4	48	"
Dirty utility	1	9 7/8	4	40	"
Scrub Room	2	10 1/2	9 1/4	194	"
OPT	1	21 1/4	19 1/4	409	"
Staff lounge	1	11 3/4	14 5/8	172	"
Toilet	1	7 7/8	5 1/3	42	"
Dressing	1	6.75	5.33	36	"
Store	1	8 1/4	7.63	63	"
Cooridoor	2	60	7 1/4	870	"
Exam Room	1	15 3/4	14 1/4	224	"
"	1	4 3/4	7	33	"
Toilet	1	4 3/4	6 7/8	33	"
Ortho	1	15 3/4	14 1/4	224	"
Exam Room	1	15 3/4	14 1/4	224	"
Toilet	1	4 3/4	6 7/8	33	"
Plaster Room	1	15 3/4	19 1/4	303	"
Pharmacy	1	15 3/4	9 1/4	146	"
Nurse Station	1	10 1/4	9 1/4	95	"
Emergency Duty Dr.	1	10	19 1/4	193	"
Emergency Ward	4	21 1/4	19 1/4	1636	"
Ultrasound Room	1	13 1/2	9 1/4	125	"
bath	1	7	5	35	"
Stationary Room	1	7	9 1/3	65	"
bath	1	6 7/8	4	28	"
Lav	1	10	10	100	"
W.C	4	4	3	48	"
Xray Room	1	21 1/4	19 1/2	414	"
Dark Room	1	7	5	35	"
Lav	1	21 1/4	14 1/2	308	"
W.C	4	4	3	48	"
Store	1	7	4	28	"
Kitchen	1	6	5 1/2	33	"

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Foyer	1x2	(18.75+10.25)	3	174	Sft
"	1x2	(21.25+12.375)	3	202	"
Interance hall	1x2	(21.25+16.5)	3	227	"
CMO	1x2	(10.25+19.25)	3	177	"
bath	1x2	(6+5)	3	66	"
Procedore	1x2	(21.25+14.25)	3	213	"
Female staff room	1x2	(21.25+9.25)	3	183	"
Lav	1x2	(21.25+14.5)	3	215	"
Toilet	1x2	(7+4.5)	3	69	"
W.C	4x2	(3+4)	3	168	"
Dirty utility	1x2	(9.875+4)	3	83	"
Scrub Room	2x2	(10.5+9.25)	3	237	"
OPT	1x2	(21.25+19.25)	3	1023	"
Staff lounge	1x2	(11.75+14.625)	3	158	"
Toilet	1x2	(7.875+5.33)	3	79	"
Dressing	1x2	(6.75+5.33)	3	72	"
Store	1x2	(8.25+7.625)	3	95	"
Cooridoor	2x2	(60+7.25)	3	807	"
Exam Room	1x2	(15.75+14.25)	3	180	"
"	1x2	(4.75+7)	3	71	"
Toilet	1x2	(4.75+6.875)	3	70	"
Ortho	1x2	(15.75+14.25)	3	180	"
Exam Room	1x2	(15.75+14.25)	3	180	"
Toilet	1x2	(4.75+6.875)	3	70	"
Plaster Room	1x2	(15.75+19.25)	3	210	"
Pharmacy	1x2	(15.75+9.25)	3	150	"
Nurse Station	1x2	(10.25+9.25)	3	117	"
Emergency Duty Dr.	1x2	(10+19.25)	3	176	"
Emergency Ward	4x2	(21.25+19.25)	3	486	"
Ultrasound Room	1x2	(13.5+9.25)	3	137	"
bath	1x2	(7+5)	3	72	"
Stationary Room	1x2	(7+9.33)	3	98	"
bath	1x2	(6.875+4)	3	65	"
Lav	1x2	(10+10)	3	120	"
W.C	4x2	(4+3)	3	84	"
Xray Room	1x2	(21.25+19.5)	3	245	"
Dark Room	1x2	(7+5)	3	72	"
Lav	1x2	(21.25+14.5)	3	215	"
W.C	4x2	(4+3)	3	168	"
Store	1x2	(7+4)	3	66	"
Kitchen	1x2	(6+5.5)	3	69	"
Cooridoor	1x2	(206.25+9.25)	3	1293	"
Ramp	1x2	(54.5+7.33)	3	371	"

Total 19678
@ 1932.50 % \$ft 380277

4 P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.

Foyer	1	18 3/4	10 1/4	1/6	32	Cft
"	1	21 1/4	12 3/8	1/6	44	"
Interance hall	1	21 1/4	16 1/2	1/6	58	"
CMO	1	10 1/4	19 1/4	1/6	33	"
Procedore	1	21 1/4	14 1/4	1/6	50	"
Female staff room	1	21 1/4	9 1/4	1/6	33	"
Dirty utility	1	9 7/8	4	1/6	7	"
Scrub Room	2	10 1/2	9 1/4	1/6	32	"
OPT	1	21 1/4	19 1/4	1/6	68	"
Staff lounge	1	11 3/4	14 5/8	1/6	29	"
Dressing	1	6.75	5.33	1/6	6	"
Store	1	8 1/4	7.63	1/6	10	"
Cooridoor	2	60	7 1/4	1/6	145	"
Exam Room	1	15 3/4	14 1/4	1/6	37	"
"	1	4 3/4	7	1/6	6	"
Ortho	1	15 3/4	14 1/4	1/6	37	"
Exam Room	1	15 3/4	14 1/4	1/6	37	"
Plaster Room	1	15 3/4	19 1/4	1/6	51	"
Pharmacy	1	15 3/4	9 1/4	1/6	24	"
Nurse Station	1	10 1/4	9 1/4	1/6	16	"
Emergency Duty Dr.	1	10	19 1/4	1/6	32	"

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Ultrasound Room	1	13 1/2	9 1/4	1/6	21	"
Stationary Room	1	7	9 1/3	1/6	11	"
Xray Room	1	21 1/4	19 1/2	1/6	69	"
Dark Room	1	7	5	1/6	6	"
Store	1	7	4	1/6	5	"
Kitchen	1	6	5 1/2	1/6	5	"
Cooridoor	1	206 1/4	9 1/4	1/6	318	"
Ramp	1	54 1/2	7 1/3	1/6	67	"
Total					1562	"
@					28971.35	% Cft 452532

- 5 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. full body 24"x24"

Foyer	1	18 3/4	10 1/4		192	Sft
"	1	21 1/4	12 3/8		263	"
Interance hall	1	21 1/4	16 1/2		351	"
CMO	1	10 1/4	19 1/4		197	"
Procedore	1	21 1/4	14 1/4		303	"
Dirty utility	1	9 7/8	4		40	"
Scrub Room	2	10 1/2	9 1/4		194	"
Staff lounge	1	11 3/4	14 5/8		172	"
Store	1	8 1/4	7.63		63	"
Cooridoor	2	60	7 1/4		870	"
Exam Room	1	15 3/4	14 1/4		224	"
"	1	4 3/4	7		33	"
Ortho	1	15 3/4	14 1/4		224	"
Exam Room	1	15 3/4	14 1/4		224	"
Pharmacy	1	15 3/4	9 1/4		146	"
Nurse Station	1	10 1/4	9 1/4		95	"
Emergency Duty Dr.	1	10	19 1/4		193	"
Ultrasound Room	1	13 1/2	9 1/4		125	"
Stationary Room	1	7	9 1/3		65	"
Store	1	7	4		28	"
Kitchen	1	6	5 1/2		33	"
Cooridoor	1	206 1/4	9 1/4		1908	"
Ramp	1	54 1/2	7 1/3		399	"
Total					6342	"
@					302.30	P Sft 1917187

- 6 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge full body 24"x24"

Foyer	1x2	(18.75+10.25)	5		290	Sft
"	1x2	(21.25+12.375)	5		336	"
Interance hall	1x2	(21.25+16.5)	5		378	"
CMO	1x2	(10.25+19.25)	5		295	"
Procedore	1x2	(21.25+14.25)	5		355	"
Female staff room	1x2	(21.25+9.25)	5		305	"
Dirty utility	1x2	(9.875+4)	5		139	"
Scrub Room	2x2	(10.5+9.25)	5		395	"
OPT	1x2	(21.25+19.25)	5		1705	"
Staff lounge	1x2	(11.75+14.625)	5		264	"
Dressing	1x2	(6.75+5.33)	5		121	"
Store	1x2	(8.25+7.625)	5		159	"
Cooridoor	2x2	(60+7.25)	5		1345	"
Exam Room	1x2	(15.75+14.25)	5		300	"
"	1x2	(4.75+7)	5		118	"
Ortho	1x2	(15.75+14.25)	5		300	"
Exam Room	1x2	(15.75+14.25)	5		300	"
Plaster Room	1x2	(15.75+19.25)	5		350	"
Pharmacy	1x2	(15.75+9.25)	5		250	"
Nurse Station	1x2	(10.25+9.25)	5		195	"
Emergency Duty Dr.	1x2	(10+19.25)	5		293	"
Emergency Ward	4x2	(21.25+19.25)	5		810	"
Ultrasound Room	1x2	(13.5+10.25)	5		228	"

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Xray Room	1x2	(21.25+19.5)	5	408	"
Dark Room	1x2	(7+5)	5	120	"
Store	1x2	(7+4)	5	110	"
Kitchen	1x2	(6+5.5)	5	115	"
Cooridoor	1x2	(206.25+9.25)	5	2155	"
Ramp	1x2	(54.5+7.33)	5	618	"
Total				12920	"
@				302.30	% Sft 3905716

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 12"x18"

bath	1	6	5	30	Sft
Lav	1	21 1/4	14 1/2	308	"
Toilet	1	7	4 1/2	32	"
W.C	4	3	4	48	"
Toilet	1	7 7/8	5 1/3	42	"
Toilet	1	4 3/4	6 7/8	33	"
Toilet	1	4 3/4	6 7/8	33	"
bath	1	7	5	35	"
bath	1	6 7/8	4	28	"
Lav	1	10	10	100	"
W.C	4	4	3	48	"
Lav	1	21 1/4	14 1/2	308	"
W.C	4	4	3	48	"
Total				1093	"
@				202.80	P Sft 221660

8 Providing and laying superb quality Ceramic tile on walls 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 12"x18"

bath	1x2	(6+5)	5	110	Sft
Lav	1x2	(21.25+14.5)	5	358	"
Toilet	1x2	(7+4.5)	5	115	"
W.C	4x2	(3+4)	5	280	"
Toilet	1x2	(7.875+5.33)	5	132	"
Toilet	1x2	(4.75+6.875)	5	116	"
Toilet	1x2	(4.75+6.875)	5	116	"
bath	1x2	(7+5)	5	120	"
bath	1x2	(6.875+4)	5	109	"
Lav	1x2	(10+10)	5	200	"
W.C	4x2	(4+3)	5	140	"
Lav	1x2	(21.25+14.5)	5	358	"
W.C	4x2	(4+3)	5	280	"
Total				2434	"
@				209.70	P Sft 510410

9 Preparing surface and painting to door and windows any type two coat. Brushing and scraping blisters of old paints from 100 Sft. woodwork.

D1	26x2	4	8 1/2	1768	Sft
W1	30x2	5	6	1800	Sft
Cw	14x2	3	1 1/2	113	"
Total				3681	"
@				1758.45	% Sft 64729

10 S/E of SMD light 50-Watts best quality. complete in all respects and as approved by the Engineer Incharge.

Main Building	50			50 No	
Total				50 No's	
@				12500.00	Each 625000

11 Wall cladding with PVC (Amclad) using silver ion technology i.e silver ionization proven effective against all common microbes, including bacteria, mold and fungi along with GI substructure and gypsum board for OT's with installation.

OPT	1x2	(21.25+19.25)	11	1705	"
Total				1705	Sft
@				1920.00	P Sft 3273600

12	Monolith False Alarm with clip in or hook on suspension for the prevention of bacteria etc.								
	OPT	1	21 1/4	19 1/4		409	"		
					Total	409	Sft		
					@	360.00	P Sft	147240	
13	Anti-bacterial/Antistatic flooring with self-leveling compound.(FOR FLOOR)								
	OPT	1	21 1/4	19 1/4		409	"		
					Total	409	Sft		
					@	696.00	P Sft	284664	
14	P/L Anit-mircobial floor complete will all respect as approved by Engineer Incharge								
	OPT	1	21 1/4	19 1/4		409	"		
					Total	409	Sft		
					@	96.00	P Sft	39264	
15	P/F fiber glass sun shade in the front of hospitals opening complete with all respect as approved by Engineer Incharge.								
		30							
					Total	30 No's			
					@	14500.00	30 No's Each	435000	
16	Providing and fixing 1 1/2" (40mm) thick solid flush door shutter Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1 1/2"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.								
		10	4	7		140	Sft		
					Total	140	"		
					@	453.75	P Sft	63525	
17	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre on bottom rail of flush doors only of commercial ply.								
		10x2	4	7		560	Sft		
		560	10.33	1697					
		1697 x5				8485	Rft		
					Total	8485	"		
					@	61.00	P Rft	517576	
18	Extra for providing and fixing iron double spring hinges, with brass fittings (it shall include brass finger-plate, 6" (150 mm)								
		10	4	7		140	Sft		
					Total	140	"		
					@	46.90	P Sft	6566	
19	P/F (2 1/2' x7') Deluxe U-PVC super Q-box door with U-PVC door frame/threshold (Duero frame KBI) i/c latch lock of M.S World Comex trading co: site No.26,27-F ShamaPlaza Ferozpur road Lahore Ph:7583774 or approved.equal by the Engineer incharge complete in all respect as per drawing & manufacturer sample.								
		22	2 1/2	7		385	Sft		
					Total	385	"		
					@	875.00	PSft	336875	
20	P/F C.P bathroom accessories.set (07-Pieces) (imported best quality) comprising of looking glass, towel-rail, plastic shelf, soap dish, brush holder, towel ring, toilet paper holder etc i/c cost of rawal plug special S.S screws carriage etc complete in all respect as approved by the Engineer Incharge.								
		10				10	Nos		
					Total	10	"		
					@	6600.00	Each	66000	

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

1 250

Total 250 Rft
@ 1775.10 P Rft 443775

22 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc complete in all respect.1.6 mm

7 5 6 210 Sft

Total 210 "
@ 606.50 PSft 127365

23 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

210 Sft
Total 210 "
@ 647.50 PSft 135975

24 P/A Weather shield paint on external surface old surface.

Hostel Block

1 26 12 312 Sft
2 54 28 3024 "
1 26 28 728 "
1 90 28 2520 "
1 46 1/2 10 1/2 488 "

Total 7072 Sft

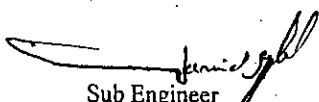
D/D


10 5 1/2 5 1/2 303 Sft

Total 303 Sft

Net Total 6769 Sft
@ 4685.25 % Sft 317145

Total 14731951


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura


Construction of Parking Area

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

1 160 20 3200 Sft

Total	3200	"	
@	546.15	P Sft	1747680


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhupura

DETAIL OF ELECTRIC POWER CABLES

(79)

S. No	Description	Qty	Unit	Rate	Amount
1	<p>Supply at site, fabrication, installation, testing, commissioning and connections of wires/cables of Distribution Boards concealed type to be installed on site and made of MS sheet 16 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 15 micron thickness in approved color with hinged door, flexible earthing strap lockable handle, catcher earthing bar neutral strip, internal wiring from MCBs terminating on cable terminal blocks, including cost of all necessary materials. All DBs mentioned below shall have 3 phase indication lamps transformer type of color Red, Yellow, Blue and 1-voltmeter scaled 0-500 v. with Voltmeter selector switch including all incoming and outgoing breakers manufactured by Siemens, ABB, CLIPSAL or Approved equal. Complete in all respect and to the instruction of the Engineer In charge.</p> <p>Incoming 1 No: 600 Amps 3 phase adjustable MCCB with overload and short circuit protection, R.C. not less than 25 kA, with additional 4 copper flats for cable connections on incoming side of MCCB.</p> <p>Outgoing 3Nos: 100 Amps 3 Phase MCBs. 5Nos: 63 Amps 3 Phase MCBs + 10 No:20 Amp 1 Phase MCBs</p>	1	P.Job	357963.4	357963
2	Supply at site, installation, testing, commissioning 4 Core Cable Size 400 mm ² XLPE/PVC CU.COND along with completed accessories and fixations in all aspects + 1 Core 70 mm ² AS CPC. [Main Power Cable from Transformer to Main DB]. (Newage / Equivilant).	150	P.Rft	6685	1002750
3	Supply at site, installation, testing, commissioning 4 Core Cable Size 240 mm ² XLPE/PVC CU.COND along with completed accessories and fixations in all aspects (Newage / Equivilant). (10+20+140+100+210+210+350+110+135)	200	P.Rft	4400	880000
4	Supply / Erection of Change over switch 500 Amp fixed in Panel Board complete in all respect as approved by the Engineer Incharge.	7	Each	35000	245000
5	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 3/0.029"	10500	P.Rft	20.95	219975
6	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 7/0.029"	6000	P.Rft	33.00	198000
7	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 7/0.064"	4500	P.Rft	141.05	634725
8	P/F PVC double layer Switch kit Faceplate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge	20	Each	1259.40	25188

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S. No	Description	Qty	Unit	Rate	Amount
9	S/E of fancy piano type switch 10-Amp (Bush / Hilife)	100	Each	80	8000
10	S/E of fancy type wall socket 10-Amp Bush / Hilife	20	Each	250	5000
11	S/E of power plug 3-pin Bush with combined (Hilife)	10	Each	673.80	6738
12	S/E of fancy type dimmer for ceiling fan (Bush / Hilife)	20	Each	449	8988
13	S/E of ceiling light 8" dia 18Watt	180	Each	2250	405000
				Total	3997327

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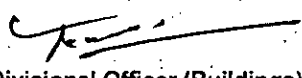
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EXTERNAL DEVELOPMENT

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GENERAL ABSTRACT

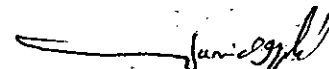
Sr.No.	Items of work	Amount
1	External Sewerage	1327565
Total		<u>1327565</u>

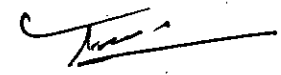

Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

SEWER LINE

Sr. No.	Description	Qty	Rate	Unit	Amount
1	2	3	4	5	6
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level	3780	7272.55	%o Cft	27490
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.				
A	12" dia. Pipe	630	637.05	P Rft	401342
3	Re-handling of earth lead upto single through of kassi.	3024	2059.2	%o Cft	6227
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover complere in all respect. (Analysis Attached)	25	35700	Each	892506

Total 1327565


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

(68)


SEWER LINE

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S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.					
		1	630	2	3	3780 Cft
					Total	3780 Cft
2	P/L RCC pipe molded with cement concrete (1:1-1/2:3) with spigot socket or collar joint i/c cost of reinforcement conforming to ASIM specification BS-5911 part-I 1981 class (L) i/c cutting lowering jointing testing complete.					
A	12" dia. Pipe		630			630 Rft
3	Re-handling of earth lead upto single through of kassi.					
		1	3780	X	80%	3024 Cft
4	Construction of main holes size 3'x3'x3' Clear with brick masonry 9" thick ration 1:5 & 1/2" thick cement plaster 1:4 and 6" thick RCC slab waith 22" dia C.I frame RCC Man hole cover complee in all respect.					25 Nos



Sub Engineer



Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

MAN HOLE (INNER SIZE 3'X3'X3'-6")

Sr. No.	Description	Qty	Rate	Unit	Amount
1	2	3	4	5	6
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level. (Without shuttering)	41	7272.55	%o Cft	295
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:18)	10	14251.5	% Cft	1443
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.	39	26709.95	% Cft	10517
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.	1.49	28971.35	% Cft	433
5	½"thick cement sand plaster (1:4) upto 20-ft height.	89	2595.85	% sft	2317
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.	8.82	471.8	P Cft	4159
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.	27	26308.85	% Kg	7107
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.	9	2308.9	% sft	208
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.	1	9222.4	Each	9222
				Total	35700


Sub Engineer


Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

MAN HOLE (INNER SIZE 3'X3'X3'-6")

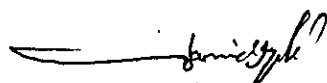
S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Earth work excavation in open cutting for sewer/man hole as shown in drawing excluding shuttering timbering dressing in all type of soil except shingle gravel and rock 7-ft depth from Ground level.					
		1	4.5	4.5	2	40.50 Cft
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth.(1:6:12)					
		1	4.5	4.5	0.5	10.13 Cft
3	Pacca brick work 1:5 cement mortar in other the buildings upto 10-ft height.					
		2	4.5	0.75	3.5	24 Cft
		2	3	0.75	3.5	16 Cft
					Total	39.38 Cft
4	P/L plain Cement concrete (1:2:4) using course sand and washed aggregate) i/c placing compacting curing finishing complete in all respect.					
		1	3	3	0.166	1.49 Cft
5	½"thick cement sand plaster (1:4) upto 20-ft height.					
	Inside	4	3		3.5	42 Sft
	Top	2	3		0.75	5 Sft
		2	4.5		0.75	7 Sft
	Outside	4	4.5		2	36 Sft
					Total	89.25 Sft
6	P/L R.C.C. in roof slab columns beams lintels using course sand screened graded and washed aggregate i/c compacting, curing, rendering and finishing exposed surface laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.					
		1	4.5	4.5	0.5	10 Cft
	D/D Man hole cover	3.14	1.83	1.83	0.5/4	1.31
					Total	8.82
7	Fabrication of mild steel RCC cutting, bending, laying in position making joints fastening i/c cost of binding wire and labour charges deformed bars.					
	Qty item above.	1	8.82	6.75	0.454	27.01 Kg
8	Extra for making and finishing of benching floor of main holes with 1/32" thick cement Nero.					
		1	3	3		9.0 Sft
9	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with C.I frame, 22" (550 mm) i/d as per standard drawing, complete in all respects.					
						1.0 No

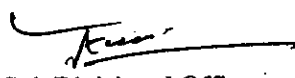
Sub Engineer

Sub Divisional Officer (Buildings)
Sub Division Sheikhpura

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WATER SUPPLY					
Sr.No	DESCRIPTION	Qty	UNIT	RATE	AMOUNT
I	S.I.R				
1	Boring of tube well 5" dia i/c sinking and with drawing of using pipe .				
i	0'-100' depth	100	P.Rft	483.8	48380
ii	100'-200'	100	P.Rft	810.7	81070
iii	200'-300'	100	P.Rft	1131.65	113165
2	P/I PVC baill / end plug in bore hole 2" dia .	1	Each	84.4	84
3	P/I PVC strainer in bore hole i/c sockets BSS class D2 i/dia	30	P.Rft	114.35	3430.5
4	P/I PVC blind pipe i/c sockets				
i	BSS class D4 i/dia	30	P.Rft	687.45	20623.5
ii	BSS class D2 i/dia	244	P.Rft	199.1	48580
iii	BSS class D1-1/4" i/dia	30	P.Rft	111.3	3339
iv	BSS class D1-1/2 "i/dia	290	P.Rft	136.6	39614
5	P/F water supply pump G.II i/c electric motor complete with all connection and as per specification.				
		1	Each	25000	25000
				Total	383287


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Sheikhupura

(FIRE FITTING / FIRE ALARM BY HITEK)									
1	Fire Extinguisher DCP type 06 kg with Nozzle and wall bracket (Imported).								
			14	-	Nos		@	3250.00	Each 45500/-
2	Fire Extinguisher CO2 type 05 kg with Nozzle and wall bracket (Imported).								
			14	-	Nos		@	5620.00	Each 78680/-
3	Jet Nozzle brass material Pak made.								
			14	-	Nos		@	3850.00	Each 53900/-
4	Firefighting Delivery Hose 1.5" 50 feet imported.								
			14	-	Nos		@	11320.00	Each 158480/-
5	Fire Hose cabinet to Accommodate 01 delivery hose and a jet nozzle.								
			14	-	Nos		@	5680.00	Each 79520/-
6	Smoke Detector Battery operated.								
			4	-	Nos		@	1740.00	Each 6960/-
7	Fire Alarm.								
			6	-	Nos		@	2310.00	Each 13860/-
8	04-Zone Fire Alarm Control panel, 04-Zone Fire Alarm Control panel complete with (Batteries 30 Hours UPS Services) 240V, Brand C-TEC made in UK approved LPCB.								
			2	-	Nos		@	49300.00	Each 98600/-
9	Smoke Detector optical type with base.								
			30	-	Nos		@	3560.00	Each 106800/-
10	Heat Detector optical type with base.								
			30	-	Nos		@	3560.00	Each 106800/-
11	Fire Alarm sounder with base.								
			2	-	Nos		@	3850.00	Each 7700/-
12	Manual Call point with cover, manual call point Break Glass type.								
			2	-	Nos		@	-2260.00	Each 4520/-
13	Installation charges, including 1.5mm cable with pvc pipe/duct complete fitting, testing commissioning complete system and training of fire alarm system.								
			1	-	Job		@	82500.00	P.Job 82500/-
14	Supply & Installation of fire Hydrant system, surface type fire Hydrant single delivery size inlet 3" outlet 2-1/2" with blank cap.								
			4	-	Nos		@	16320.00	Each 65280/-
									Total:- 909100/-

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:LO21010519
A/C To be Credited:Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

DEMAND AND SUPPLY ANALYSIS

No modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital covers all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. 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

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10.3 FINANCIAL PLAN GRANT INFORMATION

attached

9. **FINANCIAL PLAN AND MODE OF FINANCING**

The project will be executed / financed through Annual Development Program under the Primary and Secondary Healthcare Department, the Government of Punjab.

Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
Funds Released	4.140	12.548
Utilization	4.021	2.100

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	10.000	40.000
Utilization	10.000	0.000

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

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11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

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11.4 ECONOMIC ANALYSIS

IMPACT OF DELAYS ON PROJECT COST AND VIABILITY

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

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

The Targets of Sustainable Development Goals (SDGs) will be achieved

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

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12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

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

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

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. ADEEL ASLAM

Designation:Project Director, PMU P&SHD

Email:

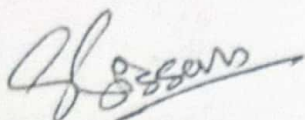
Tel. No.:042-99231206

Fax No:

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

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

Prepared By:

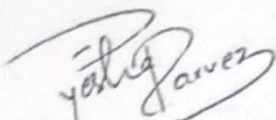


(HISSAN ANEES)
DIRECTOR PLANNING & HR, PMU,
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



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

Checked By:



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



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

Approved By:



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

17. RELATION WITH OTHER PROJECTS

20. MARGINALISATION OF PC-1

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

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