PC-1

Balance Work of Revamping of THQ Hospital Daska

ORIGINAL APPROVED COST	**PKR Million. 193.981/-**
ORIGINAL APPROVED GESTATION	**43 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Balance Work of Revamping of THQ Hospital Daska

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. SIALKOT

2.2. TEHSIL(S)

I. DASKA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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:**5368
3	**Total Allocation:**0.000
4	**Comments:** Provision of Rs.1300 M reflected at G.S. No.660 of ADP 2022-23 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

Attached.

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

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

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

Total area of the THQ Hospital Daska:	49,357 SFT
Area completed:	49,357 SFT
Area Descoped:	1,100 SFT
External Development and Electrification:	Not Executed

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

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

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

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

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

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

5.3.3.1 ICU

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

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

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

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

5.3.3.4 BURN UNIT

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

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

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

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

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

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

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

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

5.6.2 Supply of missing Biomedical and non-biomedical equipment

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

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

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

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

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

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

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

5.7.2 Public Address System

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

5.7.3 CCTV System

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

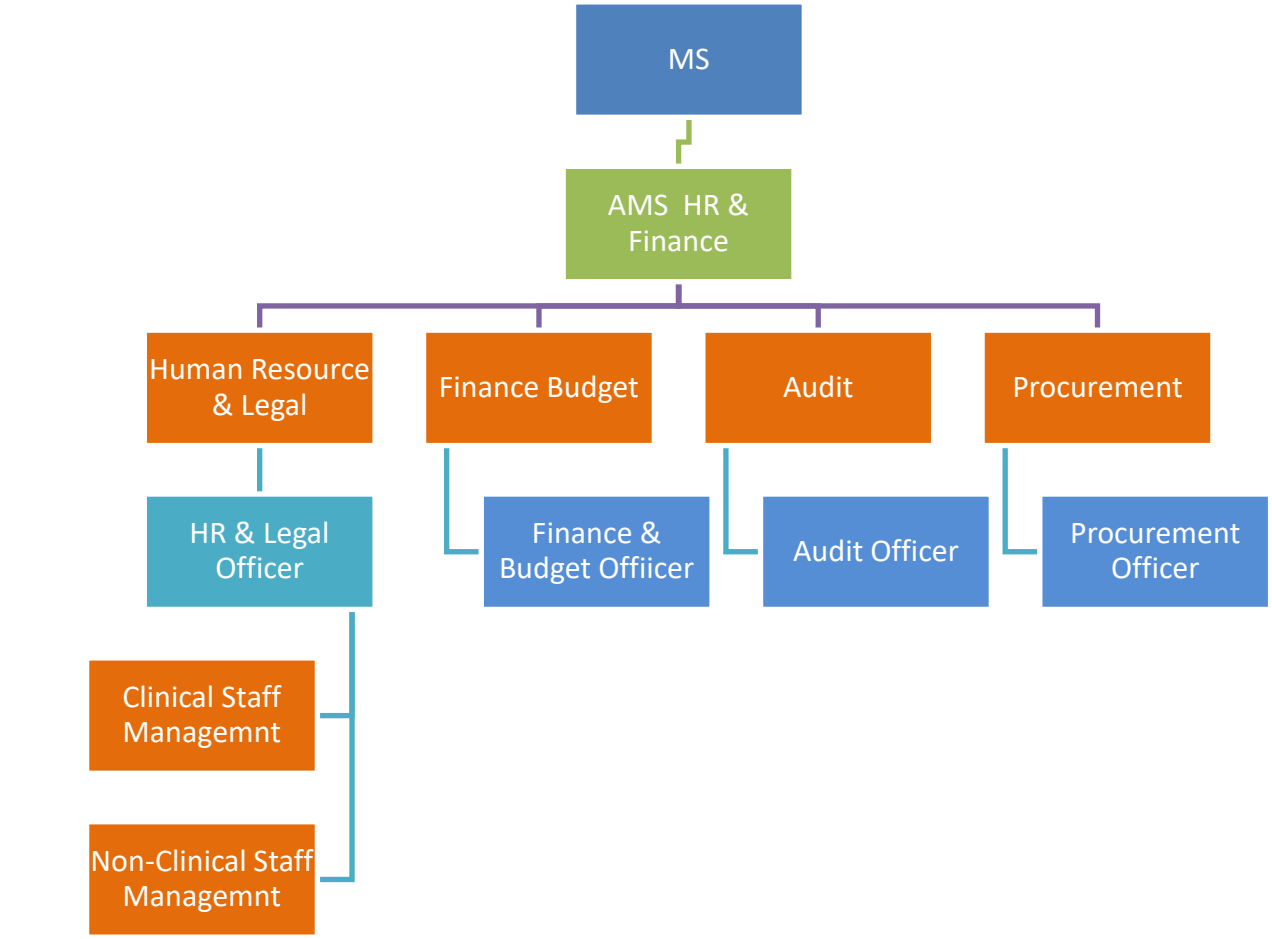
5.7.4 EMR and Networking

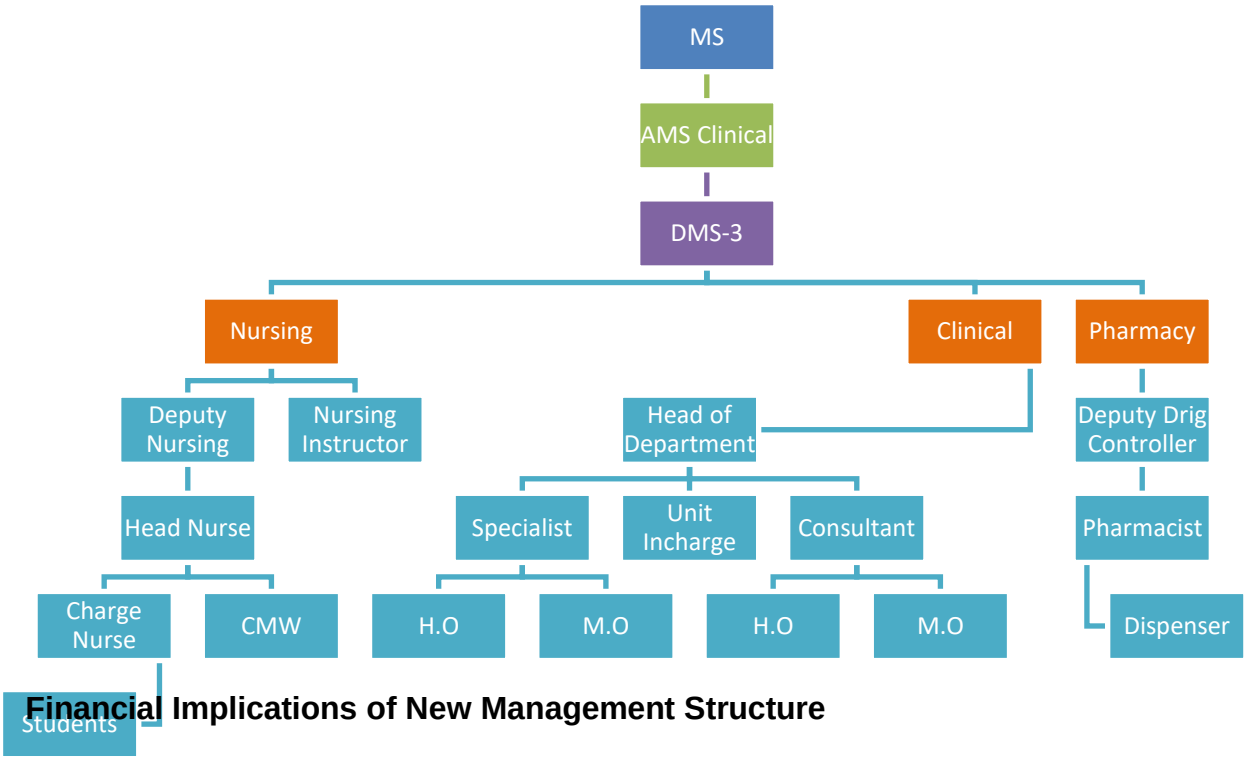
Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries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

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

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

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





Financial Implications of New Management Structure

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

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

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

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

Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000
Total	**11**	**645,000**	**8,760,000**	**849,000**	**11,556,000**

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

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

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

Eigibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

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

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

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

   OR

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

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

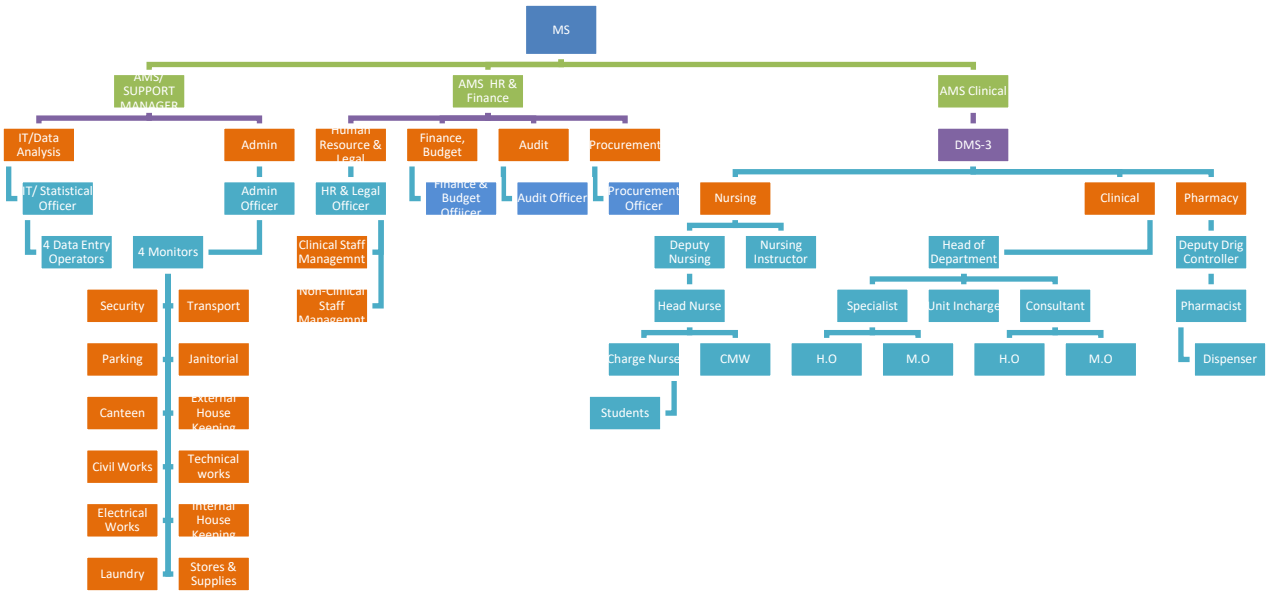
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

NAME OF POST	No. of Posts	Monthly Salary (PKR)	Annual Impact (PKPR)
ADMIN OFFICER	1	138,000	1,656,000
HUMAN RESOURCE OFFICER	1	138,000	1,656,000

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

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

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

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

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

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

9. In the morning round all the new admissions and old patients are thoroughly discussed management / treatment changed, surgery ordered or discharge ordered.
10. The discharge certificate is either prepared by the house officer or medical officer. If prepared by the house officer, it is countersigned by the medical officer

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

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

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

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

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

5.10.4 <u>INVENTORY CONTROL SYSTEM</u>

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

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

Attached.

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Daska is more than 0.925 million. The area of the THQ Hospital Daska is 282316 SFT.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

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

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

JUSTIFICATION FOR REVISION OF PC-I

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

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

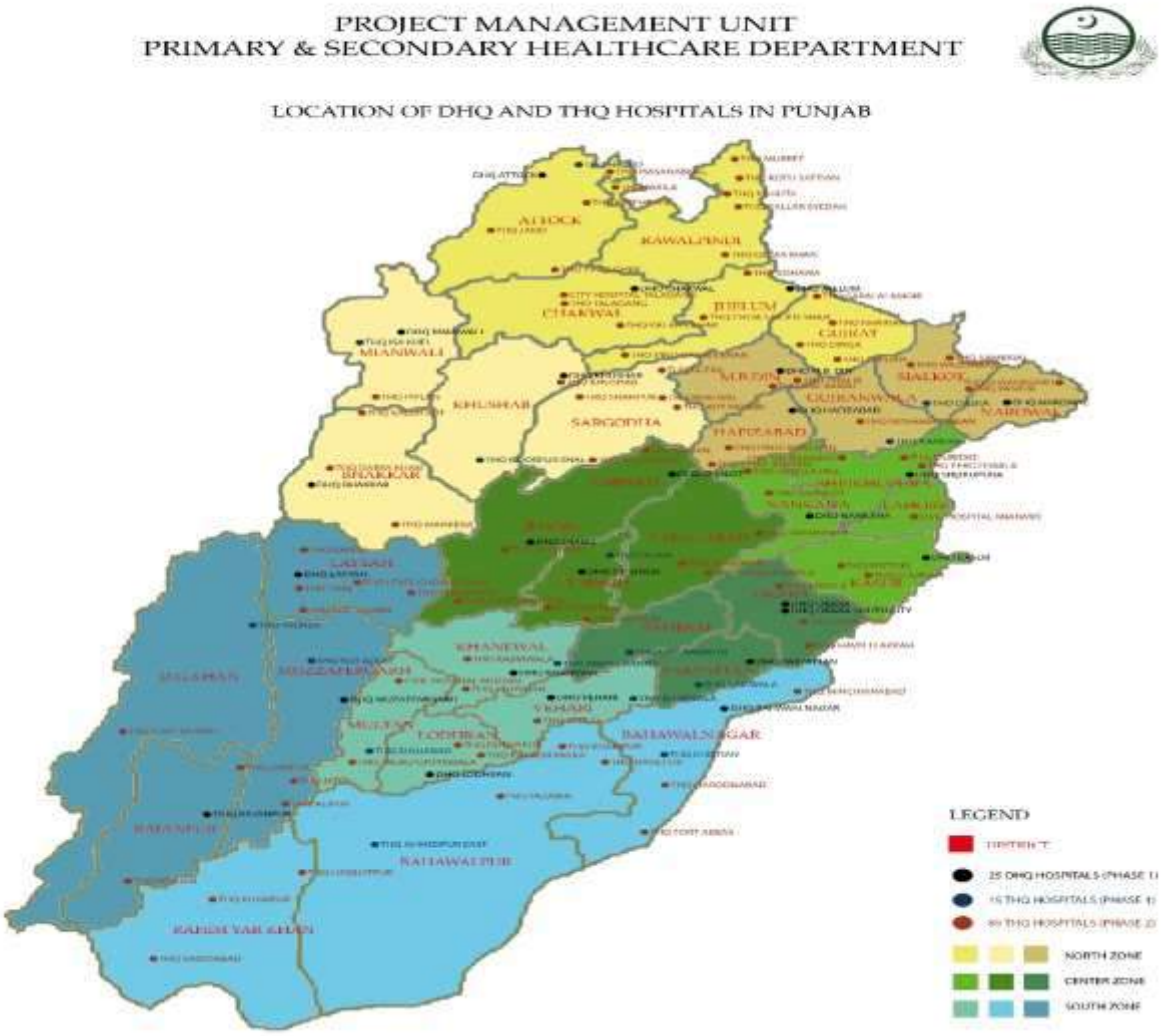
Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package

were discussed and approved by the 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I. Due this the revenue component meant only for salaries of NMS staff has been increased.

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

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

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



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

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO21010552
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	15.165	0.000	15.000	0.000	15.000	0.000
Total		**0.000**	**0.000**	**15.165**	**0.000**	**15.000**	**0.000**	**15.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO: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	48.816	0.000	50.000	0.000	50.000	0.000
Total		**0.000**	**0.000**	**48.816**	**0.000**	**50.000**	**0.000**	**50.000**	**0.000**

1. **Building**: Renovation of existing building will be required. In this regard an estimates has been prepared from the Punjab Buildings department (C&W Department) and attached with the PC-I.

2. **Human resource:** Human resource is required for implementation of project – Provision of salaries of staff of New Management Structure (NMS) working in the said hospital till the vacation of stay by the honorable Lahore High Court, Lahore and completion of conversion of these posts to non-development mode.

Abstract of Cost

Balance work of Revamping of THQ Hospital Daska						
Scope of work	**Orignal**			**1st Revised**		
	Capital	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**
Capital component						
Internal Development	50.529	0.000	50.529	50.529	0.000	50.529
External Development	84.276	0.000	84.276	84.276	0.000	84.276
Water filtration plant	0.842	0.000	0.842	0.842	0.000	0.842
Total Capital Component	**135.647**	**0.000**	**135.647**	**135.647**	**0.000**	**135.647**
Revenue component						
Electricity Component	0.000	0.000	0.000	0.000	9.000	9.000
Human resource (HR) plan	0.000	17.520	17.520	0.000	36.165	36.165
Total Revenue component	**0.000**	**17.520**	**17.520**	**0.000**	**45.165**	**45.165**
Total	**135.647**	**17.520**	**153.167**	**135.647**	**45.165**	**180.812**
PST (5%)	6.782	0.000	6.782	6.782	0.000	6.782
Punjab Green Tax (1%)	1.356	0.000	1.356	1.356	0.000	1.356
Additional 10% on External Development	3.330	0.000	3.330	3.330	0.000	3.330
Additional cost for SNGPL & Wapda	1.700	0.000	1.700	1.700	0.000	1.700
Grand Total	**148.816**	**17.520**	**166.336**	**148.816**	**45.165**	**193.981**

Human Resource Model of THQ Hospital

	Original				1st Revised				
NAME OF POST	**No. of Emplyees**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary**	**Salary for Two Years**
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
Sub Total of HR Model	**11**		**730,000**	**17,520,000**	**11**	**50**	**849,000**	**963,000**	**29,853,000**
				17.520					**29.853**
Utilization of HR Component				**6.312**					
									36.165

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**

2nd BI - Annual
2021
Phase # 01
DHQ
09

PROVINCE	PUNJAB
DIVISION	BUILDING DIVISION SAILKOT
SUB DIVN :	BUILDINGS SUB DIVISION DASKA
NAME OF WORK	**ROUGH COST ESTIMATE FOR THE WORK:- "BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)**
MAJOR HEAD	
MINOR HEAD	
ESTIMATE COST	RS .~~148.816~~ 148.680 157.691 (M)

ESTIMATE FRAMED BY: - EXECUTIVE ENGINEER BUILDINGS DIVISION SIALKOT.

FOR THE EXPENSE OF: - **ROUGH COST ESTIMATE FOR THE WORK:-**

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

HISTORY: - The Govt. of the Punjab has excelled extraordinarily in development works for different social sectors/communities there it has not ignored the provision of health facilities in different areas of the province. Especially revamping of existing Hospitals has ever remained in focus of the present regime. Keeping in view the scheme was is reflected in Annual Development Program for the year 2021-22 ADP No: 1013

The Deputy commissoner sialkot requested through his letter No:**DD(dev.)/SKT/01(B)443** Dated: 28-06-202 and PMU P&S Healthcare Department letter No.**PMU/P&SHD)2021/1224** to preparation the Rough Cost Estimate " REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT

Hence this rough cost estimate amounting to Rs. ~~448.846~~ 157.691 **(M)** is prepared for administrative approval and arranging funds from the competent authority.

The following scope of work is taken in the estimate.

A: NON RESIDENTIAL PORTION.

(i) Provision of Ramp for old block	1125	Sft
(ii) Control Room	~~288~~ 288	Sft
(iii) Revamping of old block (G.Floor)	6930	Sft
(iv) Revamping of old block (F.Floor)	6930	Sft
(v) Revamping of T.B Clinic	790	Sft
(vi) Revamping of Main Block (Balance work)	48908	Sft
(vii) Generator pads		
(viii) External Electrification / water supply / sewrage		
(x) Parking shed	2400	Sft

B: Additional Items

1. Provision for Cable for Internet, Telephone and Computer networking.
2. ~~Provision for fire alarm system.~~
3. ~~Provision for fire fighting.~~
4. ~~Provision of CCTV system~~
5. Power Wiring.
6. ~~Provision of CCTV system~~
7. Provision of Tuff Paver paths / Concrete
8. street lights
9. Face work gutka , 10- Facade improvement

C. External Development

SPECIFICATIONS: - The work will be carried out according to the P.W.D Specifications

RATES: - This estimate is based on Plinth Area rates Circulated by Chief Engineer Punjb Buildings Department North Zone Lahore 2nd Bi-Annual 2021 (1st July 2021 to 31 December 2021).

COST Rs. ~~448.846~~ 157.691 (M)

TIME LIMIT: - It will take about 24-months to complete the work subject to the availability of funds commensurate with the pace of the progress.

LAND :- Land is available (in DHQ Hospital Daska)

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
BUILDINGS DIVISION
SIALKOT

OFFICE OF THE MEDICAL SUPERINTENDENT
THQ HOSPITAL DASKA

No: 5846 /E.1, Dated 26/07/2021.

To,

The SDO,
Buildings Sub Division Daska.

SUBJECT: **SCOPE OF WORK FOR REVAMPING OF THQ HOSPITAL DASKA (REMAINING WORK)**

Reference: Letter No. PMU/ (P&SHD)/2021/1224, Dated: 02-Jun-2021. Issued by PO Architect PMU, primary and Secondary Health care Deptt

P&SHD has carried out the civil works under revamping programme in Phase-I hospitals through Infrastructure Development Authority Punjab (IDAP). As of now around 60% of work on these schemes has been completed by IDAP. Refer to the above mentioned subject and letter issued by PMU, P&SHCD Govt of Punjab it is requested to please provide the buildings/electricity estimates for the remaining work left by IDAP as per below mentioned scope of work for onward submission to higher authorities at earliest.

SCOPE OF BALANCE WORK OF REVAMPING OF THQ HOSPITAL DASKA

1- Construction of New Ramp for Old THQ Building Block

i. Ramp for F. Floor Access from outside of building
ii. Non Slippery tiles
iii. Railing
iv. Roof Treatment

2- Construction of Control Room

i. New Control Room for Panels Boards and change over keeping in view the dual line supply and 11 Kv uninterrupted express line. All the change overs, Panels and breakers should be arranged at a single place i.e. control room to avoid cobweb of wires and changeovers in hospital.
ii. Replacement of undersized Power panel switches and breakers etc. Provision of Automatic transfer Switch (ATS) for all existing generators where required. All the generators should be synchronized in one place according to load so

B) - Parking Sheds

v. Parking sheds at the spaces near residences and adjacent main building

5- Façade Improvement (May be selected from the samples provided by PMU depending upon the existing facade)

i. Front of Main and Old Block as per laid down requirements from PMU, P& SHCD Govt of Punjab
ii. Aluminum Cladding
iii. Making New Modern design, Pergolas

6- External Electrifications (As per sample drawing and scope provided by PMU)

i. Main L.T Panel board
ii. Synchronizing / Load Sharing Control
iii. 150 KVAR Automatic Power Factor Improvement Plant
iv. Main Building Panel Board
v. Old Building Panel Board
vi. Feeder Pillar Panel Board
vii. Mineral Based Earthing
viii. Lighting Protection

7- External Power Wiring (As per sample drawing and scope of work provided by PMU)

i. Transformer to main panel and meter
ii. Main panel boards to Distribution Panels in Main Building, G.Floor, F.Floor
iii. Main panel Board to Old Block
iv. Main Panel to TB click
v. Main Panel to Mosque
vi. For External Lights
vii. For Mortuary
viii. For Turbine

8- External Water Supply

i. For Old Building block, new building block and TB Clinic.

9- External Sewerage

i. Complete External Sewerage for Main THQ Building , Old THQ Building , TB Clinic, Mortuary

No. PMU/(P&SHD)/2021/1224
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore. Ph: 042-99231209)
Dated: June 2, 2021

EE Buildings Division Sialkot
1198 | 11-0
To
4/6/2021

Executive Engineer,
Buildings Division,
Sialkot.

SUBJECT: COST ESTIMATES FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITAL DASKA

Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. These hospitals have been divided in to two Phases of Revamping Program i.e. Phase – I (25 DHQ and 15 THQ Hospitals Annexure - A) and Phase – II (Remaining Hospitals Annexure - B). P&SHD has carried out the civil works under revamping program in Phase – I hospitals through Infrastructure Development Authority Punjab (IDAP). The scope of work of the revamping civil works was i) Internal Development ii) External Development and iii) External Electrification. As of now around 60% of work on these schemes has been completed by IDAP.

2. Now, the Department intends to carry out complete revamping of these Phase – I hospitals through Communication and Works Department Punjab. Hence, in this regard, cost estimates for remaining work of these hospitals are desired so that the work on these schemes can be executed completely and promptly. The detailed design document containing detailed scope requirement is also attached at Annexure – C (The estimates of only clinical blocks of hospital may be provided).

3. It is pertinent to mention that P&SHD intends to revamp the remaining civil infrastructure of these Phase – I hospitals to achieve the uniformity in hospitals. As currently there is a major visible difference in revamped and non-revamped areas. Hence, in order to have a better idea of specifications and materials, the field visits of already revamped areas of THQ Daska may be conducted. The areas that have been revamped by IDAP are also marked in plans and are attached as Annexure D.

ROUGH COST ESTIMATE FOR THE WORK:-

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

S. No.	Description of work	2nd Bi Annual 2021 (1st July 2021 to 30th December 2021)													Remarks
		Plinth Area / Qty	Unit	BUILDING PORTION						P.H	E.I	S.G	Total rate (5-13)	Amount (3x14)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1-	Provision Of Ramp for Old Building														This estimate is based on Plinth Area rates Circulated by Chief Engineer Punjb Buildings Department North Zone Lahore 2nd Bi-Annual 2021 (1st July 2021 to 31 December 2021).
i	Ramp G Floor	1125 Sft	P-Sft	2300	+ 386	+	+ 115				118		2919	3,282,963	
ii	Extra rate for deeper foundation 8' for ramp	1125 Sft	P-Sft	440									440	494,863	
iii	Ramp F.Floor	1125 Sft	P-Sft	2300		+	+	396	+ 115		118		2137	2,404,125	
iv	Control Room for DB's	500 Sft	P-Sft	2285	+ 386	+	+ 115				118		2904	1,452,000	
v	Extra rate for deeper foundation 8' for control room	500 Sft	P-Sft	440									440	220,000	
vi	Providing and laying chequred tile (ncns-slippery for ramp)(Master OR Equivalent) 12"x12"x10-mm, for flooring, laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect as approved by the Engineerincharge.	1101 Sft	P. Sft	89.28									89.28	98,303	(200-152.92+42.20) = 89.28
vii	Extra for Provision Providing / Fixing Stainless Steel Non Magnetic hand railing Consisting Of 2" Dia 18 Swg Pipe Top Hand Rail, Shell Be Of Non Magnetic CODE NO 304. 2x(60.875 +12.75 + 40 +22.75)= 273 Rft	273 Rft	P.Rft	692									692	188,916	
viii	S/E of matalic service logo with letter head as per approved sample of complete in all respect	1 No.	Each	70000									70000	70,000	
ix	~~Installation of Sign Board size 6'x4'~~	~~1 No.~~	~~Each~~	~~45000~~									~~45000~~	~~45,000~~	
x	~~Installation of Sign Board size 10'x2' on Main Entrance~~	~~1 No.~~	~~Each~~	~~130300~~									~~130300~~	~~130,300~~	
xi	~~Installation of Sign Board size 3'x5'~~	~~1 No.~~	~~Each~~	~~125200~~									~~125200~~	~~125,200~~	
xii	Water Proofing Treatment with Torch applied bitumen Aluminum Foiled membrane sheet 3mm thick i/c cleaning of surface & applying primer coat complete in all respect as approved and directed by the Engineer incharge.	1125 Sft	P-Sft	70									70	78,750	

xiii	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls. Density 32 38Kg/M, compressive strength 250-400 kpa. R-value 5 per inch thickness and water absorption (1% by volume. cell structure clored cell) i/c cutting and placing in position complete in all respect. 2" thick	1425 Sft	%St	10980							10986	129,593	
xiv	P/L face work by using gutka 9" x 2-1/4"x2-1/4" of approved quality in cement surkhi mortar 1:3 i/c back filling of 1:3 cement sand mortar making tradezoidal groove/ set back of 1/4" depth during fresh masonry work laid with g.i. wire 8-swg, 8-shapped wall ties, one side embeded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally as approved by the engineer incharge. 2 x (15.25+73.75) x15 = 2670 Sft **Total = 2670 Sft**	2670 Sft	P-Sft	169							169	451,230	
xv	P/F MS grill of 3/8"x3/8" sq. bars i/c flat 3/4"x3/16" for frame in windows of approved design 6 Nos hold fast 9" long of MS iron 3/4"x3/4"x1/8" painting 03-coats i/c cost of labour, material & carraige, welding etc complete in all respect & approvedb the Engg. Incharge	912 Sft	P-Sft	375							375	342,000	
2-	Revamping of Old Block (Ground Floor)	6930 Sft	P.Sft	1266	+	+	+	-	+	92	118	31	1507	10,443,510	Detail Attached
i	Revamping of Old Block (First Floor)	6930 Sft	P.Sft	1425	+	+	+	-	+	92	118	31	1666	11,545,380	Detail Attached
3-	Revamping of T.B Clinic	790 Sft	P.Sft	1425	+	+	+	-	+	92	118	31	1666	1,316,140	Detail Attached
4-	Revamping of Main DHQ Block Balance work	48908 Sft	P.Sft	41	+	+	+	-	+				41	2,005,228	"
5-	Facede Improvement	1 Job	P.Job	9366630									9366630	9,366,630	"
6-	External Electrification (Improvement / up Lifting)	1 Job	P.Job	7093130 ~~21000266~~									7093130 ~~21000266~~	7093130 ~~21,090,266~~	"
7-	External Water Supply (Improvement / up Lifting)	1 Job	P.Job	841854									841854	841,854	Detail Attached
8-	External Sewrage (Improvement / up Lifting)	2 Job	P.Job	3012814									6025628	12,051,256	"

9-	Generator's Pad	1 Job	P.Job	1382028					1382028	1,382,028	"
10-	Provision for cable for Internet, Telephone & Computer Networking	17188 Sft	P.Sft	100					100	1,716,755	Analysis Attached
11-	~~Provision for Fire Fighting and Alarm System~~	~~17188 Sft~~	~~P.Sft~~	~~95~~					~~95~~	~~1,619,810~~	Analysis Attached
12-	~~Provision of CCTV System~~	~~17188 Sft~~	~~P.Sft~~	~~125~~					~~129~~	~~2,244,326~~	"
13-	Provision for Power Wiring of main Building and old building / Control Room	17188 Sft	P.Sft	80					80	1,375,015	"
14-	Provision for Tuff paver / Concrete pavers roads	1 Job	P.Job	11591248					11591248	11,591,248	Detail Attached
15-	Fiber Glass parking shed	2400 Sft	P.Sft	650					650	1,560,000	Detail Attached
16-	Weather shield	1 Job	P.Job	1838770					1838770	1,838,770	Detail Attached
17-	S/E of Street Light Double Arm with 8 Meter High Octagonal Pole Hot Dip Galvanized Base 150 mm and top dia 50 mm thickness 350 mm with Arm Length 500 mm and base plate of 300x300x14mm thick with Philips Lamp HRC 125 Watt Complete in all respect as approved by the Engineer Incharge	12 Job	P.Job	40000					40000	480,000	D

Total =	=147528394	~~135,825,540~~	~~138838334~~
D/d Cost Of Old Material =	178398 = 178398	178,398	(-)
Grand Total =	= 147349996	~~135,647,142~~	~~138657736~~
Add 5 % PRA TAX =	= 7367499	~~6,782,357.11~~	~~6932998~~
Add 1% GREEN TAX =	= 1473499	~~1,356,471.42~~	~~138660~~
~~Add 10% EXTERNAL DEVELOPMENT~~ ON =	~~33,265,406~~	3,329,540.58	
Add WAPDA & ~~SUI GAS CHARGES~~ =	(1500000+~~200000~~)/500000	~~1,700,000.00~~ 1500000	
Grand Total =	= 157690994	~~148,815,511~~	~~148679554~~
Say Rs =	= 157.691 (M)	~~148,815~~	(M) ~~148.680~~

TECHNICALLY VETTED
For Rs. 157.691 (M) (Million)
Chief Engineer, Punjab Buildings Deptt; North Zone, Lahore
Deputy Director, Punjab Buildings Deptt; North Zone, Lahore
Chief Draftsman, Punjab Buildings Deptt; North Zone, Lahore

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Daska

Executive Engineer
Buildings Division
Sialkot

SUPERINTENDING ENGINEER
Buildings Circle No.2
Gujranwala

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST

OLD BLOCK (GROUND FLOOR)

Sr. #	Description of Items	Qty	Unit	Rate	Amount
	GROUND FLOOR				
1	Dismantling door with chowkat	31	Each	346.50	10742
2	Removing of window or skylight.	83	Each	270.60	22460
3	Dismantling glazed or encaustic tiles, etc.	6964	%Sft	1848.00	128700
4	Removing of plaster lime or c/s mortar from walls.	11169	%Sft	330.00	36859
5	Dismantling brick work in lime or cement mortar.	549	%Sft	3366.00	18466
6	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	12	%Cft	14286.00	1758
7	Dismantling of P.C.C 1:2:4.	1084	%Cft	8712.00	94460
8	Excavation in foundation of buildings in ordinary soil	10248	%oCft	8395.20	86034
9	Pacca brick work 1:4 in c/s mortor	1361	%Cft	25442.15	346284
10	P.c.c 1:2:4	1361	%Cft	25317.60	344588
11	Pacca brick work in ground floor (1:6).	47	%Cft	26178.70	12369
12	P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.	2151	%Cft	5514.60	118641
13	P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.	1084	%Cft	25317.60	274507
14	½" thick cement plaster (1:4) on walls upto 20' height.	11169	%Sft	2381.30	265976
15	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Floor).	6511	P.Sft	291.00	1894646
16	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Dado).	6964	P.Sft	307.00	2138044
17	Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR FLOOR)	296	P.Sft	200.00	59263

Sr. #	Description of Items	Qty	Unit	Rate	Amount
18	Providing and fixing M.S Grill c/o 3/8"x3/8" M.S square bars 4" centre to centre Horizontally & vertically with M.S flat 1"x1/8" 2 Nos Horizontally in centre and outer frame of M.S angle iron 1"x1"x1/8" all around 6 Nos holdfast 9" long of M.S angle iron ¾"x¾"x1/8" painting three coats i/c cost of labour, material, carriage, welding charges etc. complete in all respect and as approved by the Engineer Incharge.	1400	P.Sft	375.00	525000
19	Providing and fixing 1⅛" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1⅛"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 respects i/c Ms angle iron 1-1/2"x1-1/2"x1/4" welded with ms flat 2"x1/4"	639	P.Sft	671.50	429340
20	Providing and fixing class room almirah shutter consisting of 1¼"x1¼"x3/16" angle iron outer frame and 1"x1"x3/16" angle iron shutter frame with MS Sheet 20 SWG locking arrangements handles including paining 03 coats complete in all respect.	126	P.Sft	475.00	59850
21	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	840	P.Sft	839.20	705138
22	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc. complete in all respects:-On exterior surface (with mastic strip)	120	P.Rft	95.35	11442
23	Distempering 02-coats on old surface.	6454	%Sft	447.80	28902
24	Preparing surface and painting with emulsion paint 03 coats.	11169	%Sft	2248.20	251110
25	Painting to doors and windows 03-coats on new surface.	1279	%Sft	2004.20	25629
26	Painting to doors and windows 02-coats on old surface.	1477	%Sft	1506.70	22254

Sr. #	Description of Items	Qty	Unit	Rate	Amount
27	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.	6222	%Sft	94.00	584886
28	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts,handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	79	P.Sft	1101.45	86739
29	P/L 3/4" thick Prepolished Marble slab of China Verona, Random, laid over a bed of 3/4"thick C/S mortar 1:2 i/c cutting, and making nozing upto three sides upto 4-Sft size for stair steps complete in all respect as approved by Engineer Incharge.	408	P.Sft	467.00	190536
	Total Rs.				8774622
	Rate per Sft	8774622			
		6930			
	Rs.	**1266.179**	**P.Sft**		
	Say Rs.	**1266**	**P.Sft**		

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENIGNEER
BUILDINGS DIVISION
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

OLD BLOCK (GROUND FLOOR)

SR	DESCRIPTION	DETAIL	QTY	UNIT	
1	Dismantling door with chowkat	1x(10+10+2+2+1+1+5)	31	No	
2	Removing of window or skylight.				
		2x(13+6+2+2)	46	No	
		1x(28+8+1)	37	"	
		Total.	83	No	
3-	Dismantling glazed or encaustic tiles, etc.				
		2x2x(21+22-3/4)x4-1/2	806	Sft	
		3x2x(10+15)x4-1/2	675	"	
		1x2x(10+8)x4-1/2	162	"	
		1x2X(10+10-5/8)x4-1/2	186	"	
		1x2x4-3/8x4-1/2	39	"	
		1x2x(15+10-5/8)x4-1/2	231	"	
		1x2x5-3/8x4-1/2	48	"	
		2x2x(9+15)x4-1/2	432	"	
		1x2x(9+8)x4-1/2	153	"	
		1x2x(10+6-5/8)x4-1/2	150	"	
		1x2x8-3/8x4-1/2	75	"	
		1x2x(15+10)x4-1/2	225	"	
		1x2x(15+8)x4-1/2	207	"	
		1x2x(15+16)x4-1/2	279	"	
	Cor-1	1x2x17-3/8x4-1/2	156	Sft	
		1x2x24-3/8x4-1/2	219	"	
	Cor-2	1x116-7/8x4-1/2	526	"	
		1x134-7/8x4-1/2	607	"	
	Cor-3	1x143-3/4x4-1/2	647	"	
		1x56-1/8x4-1/2	253	"	
	Cor-4	2x16-1/2x4-1/2	149	"	
	Cor 5	2x15-3/4x4-1/2	142	"	
	Cor 6	2x17-1/2x4-1/2	158	"	
	Hall	1x(15+15+15+7)x4-1/2	234	"	
		1x2x(17-1/2+5-1/2)x4-1/2	207	"	
		Total.	6964	Sft	
4	Removing of plaster lime or c/s mortar from walls.				
		2x2x(21+22-3/4)x7	1253	Sft	
		3x2x(10+15)x7	1050	"	
		1x2x(10+8)x7	252	"	
		1x2X(10+10-5/8)x7	289	"	
		1x2x4-3/8x7	61	"	

		1x2x(15+10-5/8)x7	359	"
		1x2x5-3/8x7	75	"
		2x2x(9+15)x7	672	"
		1x2x(9+8)x7	238	"
		1x2x(10+6-5/8)x7	233	"
		1x2x8-3/8x7	117	"
		1x2x(15+10)x7	350	"
		1x2x(15+8)x7	322	"
		1x2x(15+16)x7	434	"
		1x2x(14+10)x7	336	"
	Cor-1	1x2x17-3/8x7	243	"
		1x2x24-3/8x7	341	"
	Cor-2	1x116-7/8x7	818	"
		1x134-7/8x7	944	"
	Cor-3	1x143-3/4x7	1006	"
		1x56-1/8x7	393	"
	Cor-4	2x16-1/2x7	231	"
	Cor.5	2x15-3/4x7	221	"
	Cor.6	2x17-1/2x7	245	"
	Hall	1x(15+15+15+7)x7	364	"
		1x2x(17-1/2+5-1/2)x7	322	"
		Total.	**11169**	**Sft**

5 Dismantling brick work in lime or cement mortar.

	Store attached Both	1x10x3/8x11-1/2	43	Cft
		1x4x3/8x11-1/2	201	"
		1x9x3/8x11-1/2	39	"
		1x4x3/8x11-1/2	17	"
		2x8-3/8x3/8x11-1/2	46	"
		2x4x3/8x11-1/2	35	"
		1x8-3/8x3/4x11-1/2	72	"
		1x4x3/8x11-1/2	17	"
	Partation wall	1x15x3/8x11-1/2	65	"
	Vanity	4x2x3/8x2-1/2	8	"
		3x2x3/8x2-1/2	6	"
		Total.	**549**	**Cft**

6 Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.

	Vanity	1x(10+6)x2x1/6	5	Cft
		1x(16+5)x2x1/6	7	"
		Total.	**12**	**Cft**

7 Dismantling of P.C.C 1:2:4

		2x21x22-1/2x1/6	157	Cft
		3x10x15x1/6	75	"

		1x10x8x1/6	13	"
		1x10x10-5/8x1/6	18	"
		1x4-5/8x4-3/8x1/6	3	"
	St. Store	1x5-1/2x15x1/6	14	"
		1x15x12-1/2x1/6	31	"
		1x15x10-5/8x1/6	27	"
		1x10-5/8x4-3/8x1/6	8	"
		2x9x15x1/6	40	"
		1x9x8x1/6	12	"
		1x10x6-5/8x1/6	11	"
		1x5-1/4x8-3/8x1/6	7	"
		1x15x10x1/6	25	"
		1x15x8x1/6	20	"
		1x15x16x1/6	40	"
	Cor-1	2x17-3/8x7x1/6	41	"
	Cor-2	1x144-3/8x7x1/6	168	"
	Cor-3	1x143-3/4x7x1/6	168	"
	Cor-4	1x16-1/2x4x1/6	11	"
	Cor.5	1x15-3/4x7x1/6	18	"
	Cor.6	1x17-1/2x9-1/2x1/6	28	"
	Hall	1x15x19-1/2x1/6	49	"
	Boths	10x4x5x1/6	33	"
		1x4x8x1/6	5	"
	Laun.	2x14x10x1/6	47	"
		1x6x6-1/4x1/6	6	"
	Door Cill	4x4x3/4x1/6	2	"
		5x3x3/4x1/6	2	"
		1x2-3/4x3/4x1/6	0	"
		6x3-1/2x3/4x1/6	3	"
		11x2-1/2x3/8x1/6	2	"
	Laun. Opening	1x4x3/4x1/6	0	"
			Total.	**1084** **Cft**

8 Excavation in foundation of buildings in ordinary soil

around building	1x427x4x6	10248	Cft
		Total.	**10248** **Cft**

9 Pacca brick work 1:4 in c/s mortor

around building	1x427x3/8x8-1/2	1361	Cft
		Total.	**1361** **Cft**

10 P.c.c 1:2:4

around building	1x427x3/8x8-1/2	1361	Cft
		Total.	**1361** **Cft**

11 Pacca brick work in ground floor (1:6).

Window Opening Closed	3x4-1/2x3-1/2	47	Cft
	Total.	**47**	**Cft**

12 P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.

	2x21x22-1/2x1/3	315	Cft
	3x10x15x1/3	150	"
	1x10x8x1/3	27	"
	1x10x10-5/8x1/3	35	"
	1x4-5/8x4-3/8x1/3	7	"
St. Store	1x5-1/2x15x1/3	37	"
	1x15x12-1/2x1/3	62	"
	1x15x10-5/8x1/3	53	"
	1x10-5/8x4-3/8x1/3	15	"
	2x9x15x1/3	80	"
	1x9x8x1/3	24	"
	1x10x6-5/8x1/3	22	"
	1x5-1/4x8-3/8x1/3	15	"
	1x15x10x1/3	50	"
	1x15x8x1/3	40	"
	1x15x16x1/3	80	"
Cor-1	2x17-3/8x7x1/3	81	"
Cor-2	1x144-3/8x7x1/3	337	"
Cor-3	1x143-3/4x7x1/3	335	"
Cor-4	1x16-1/2x4x1/3	22	"
Cor.5	1x15-3/4x7x1/3	37	"
Cor.6	1x17-1/2x9-1/2x1/3	55	"
Hall	1x15x19-1/2x1/3	97	"
Boths	10x4x5x1/3	67	"
	1x4x8x1/3	11	"
Laun.	2x14x10x1/3	93	"
	1x6x6-1/4x1/3	12	"
	Total.	**2151**	**Cft**

13 P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.

	Qty as per item # 7	1084	Cft
	Total.	**1084**	**Cft**

14 ½" thick cement plaster (1:4) on walls upto 20' height .

	Qty as per item # 4	11169	Sft
	Total.	**11169**	**Sft**

Cor-1	2x17-3/8x7	243	"
Cor-2	1x144-3/8x7	1011	"
Cor-3	1x143-3/4x7	1006	"
Cor-4	1x16-1/2x4	66	"
Cor.5	1x15-3/4x7	110	"
Cor.6	1x17-1/2x9-1/2	166	"
Hall	1x15x19-1/2	293	"
	2x14x10	280	"
	1x6x6-1/4	38	"
	Total.	**6222**	**Sft**

28 Providing and fixing collapsible gate made of 2"x2"x"¼ " (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼ "x¼ "x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts,handles 12" (300 mm) long of ¾"x¼ "x¼ "x1/8" (20x6x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

Main Ent.	1x10-1/2x7-1/2	79	Sft
	Total.	**79**	**Sft**

29 P/L 3/4" thick Prepolished Marble slab of China Verona, Random, laid over a bed of 3/4"thick C/S mortar 1:2 i/c cutting, and making nozing upto three sides upto 4-Sft size for stair steps complete in all respect as approved by Engineer Incharge.

Stair Step	2x(15-1/2+4+12+4+15-1/2)x4	408	Sft
	Total.	**408**	**Sft**

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

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Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST

OLD BLOCK (FIRST FLOOR)

Sr. #	Description of Items	Qty	Unit	Rate	Amount
	FIRST FLOOR				
1	Removing door with chowkat.	31	Each	346.50	10742
2	Removing of window or skylight.	83	Each	270.60	22460
3	Dismantling glazed or encaustic tiles, etc.	6559	%Sft	1848.00	121216
4	Removing of plaster lime or c/s mortar from walls.	12782	%Sft	330.00	42180
5	Dismantling brick work in lime or cement mortar.	13	%Sft	3366.00	442
6	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	12	%Cft	14256.00	1758
7	Dismantling of P.C.C 1:2:4.	1084	%Cft	8712.00	94460
8	Pacca brick work in ground floor (1:6).	47	%Cft	26178.70	12369
9	P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.	2151	%Cft	5514.60	118641
10	P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.	1084	%Cft	25317.60	274507
11	½" thick cement plaster (1:4) on walls upto 20' height .	12782	%Sft	2381.30	304375
12	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Floor).	6511	P.Sft	291.00	1894646
13	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Dado).	6528	P.Sft	307.00	2004038
14	Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR FLOOR)	528	P.Sft	200.00	105663
15	Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR DADO)	1571	P.Sft	210.00	329910

Sr. #	Description of Items	Qty	Unit	Rate	Amount
16	Providing and fixing M.S Grill c/o 3/8"x3/8" M.S square bars 4" centre to centre Horizontally & vertically with M.S flat 1"x1/8" 2 Nos Horizontally in centre and outer frame of M.S angle iron 1"x1"x1/8" all around 6 Nos holdfast 9" long of M.S angle iron ¾"x¾"x1/8" painting three coats i/c cost of labour, material, carriage, welding charges etc. complete in all respect and as approved by the Engineer Incharge.	1400	P.Sft	375.00	525000
17	Providing and fixing 1⅝" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1⅝"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWC on both sides & finger plate complete in all respects	639	P.Sft	671.60	429340
18	Providing and fixing class room almirah shutter consisting of 1¼"x1¼"x3/16" angle iron outer frame and 1"x1"x3/16" angle iron shutter frame with MS Sheet 20 SWG locking arrangements handles including paining 03 coats complete in all respect.	126	P.Sft	475.00	59850
19	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	840	P.Sft	839.20	705138
20	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc. complete in all respects:-On exterior surface (with mastic strip)	120	P.Rft	95.35	11442
21	Distempering 02-coats on old surface.	6454	%Sft	447.80	28902
22	Preparing surface and painting with emulsion paint 03-coats.	12782	%Sft	2248.20	287362
23	Painting to doors and windows 03-coats on new surface.	1279	%Sft	2004.20	25629
24	Painting to doors and windows 02-coats on old surface.	1477	%Sft	1506.70	22254
25	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect. (old surface)	10337	%Sft	1063.70	109958

Sr. #	Description of Items	Qty	Unit	Rate	Amount
26	Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x1-1/2" longitudinal rows 2' wide c/c and divider 1"x1" size at 2' c/c and supported with walls for angle iron 3/4"x3/4", frame hugged with G.I wire No 14 hanger fixed with truss membrane at appropriate distance i/c cost of hooks, clamps, carriage and labour charges at height of 35' to 40' etc complete in all respect and as per satisfaction of Engineer Incharge.	6222	%Sft	94.00	584886
27	P/L face work by using gutka 9" x 2-1/4"x2-1/4" of approved quality in cement surkhi mortar 1:3 i/c back filling of 1:3 cement sand mortar making tradezoidal groove/ set back of 1/4" depth during fresh masonry work laid with g.i. wire 8-swg, 8-shapped wall ties, one side embeded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally as approved by the engineer incharge.	10337	P.Sft	169.00	1747012
	Total Rs.				9874180
	Rate per Sft	9874180			
		6930			
	Rs.	1424.846	P.Sft		
	Say Rs.	1425	P.Sft		

SUB DIVISIONAL OFFICER
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SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

OLD BLOCK (FIRST FLOOR)

SR	DESCRIPTION	DETAIL	QTY	UNIT	
1	Removing door with chowkat.				
	Doors	1x(10+10+2+2+1+1+8)	31	No	
2	Removing of window or skylight.				
		2x(13+6+2+2)	46	No	
		1x(28+8+1)	37	"	
		Total.	83	No	
3	Dismantling glazed or encaustic tiles, etc.				
		2x2x(21+22-3/4)x4-1/2	806	Sft	
		3x2x(10+15)x4-1/2	675	"	
		1x2x(10+8)x4-1/2	162	"	
		1x2X(10+10-5/8)x4-1/2	186	"	
		1x2x4-3/8x4-1/2	39	"	
		2x2x(9+15)x4-1/2	432	"	
		1x2x(9+8)x4-1/2	153	"	
		1x2x(10+6-5/8)x4-1/2	150	"	
		1x2x8-3/8x4-1/2	75	"	
		1x2x(15+10)x4-1/2	225	"	
		1x2x(15+8)x4-1/2	207	"	
		1x2x(15+16)x4-1/2	279	"	
	Cor-1	1x2x17-3/8x4-1/2	156	#REF!	
		1x2x24-3/8x4-1/2	219	"	
	Cor-2	1x116-7/8x4-1/2	526	"	
		1x134-7/8x4-1/2	607	"	
	Cor-3	1x143-3/4x4-1/2	647	"	
		1x56-1/8x4-1/2	253	"	
	Cor-4	2x16-1/2x4-1/2	149	"	
	Cor.5	2x15-3/4x4-1/2	142	"	
	Hall	1x(15+15+15+7)x4-1/2	234	"	
		1x2x(17-1/2+5-1/2)x4-1/2	207	"	
		Total.	6528		(A)
		1x6x5-1/4	32	"	
		Total.	6559	Sft	
4	Removing of plaster lime or c/s mortar from walls.				
		2x2x(21+22-3/4)x7	1253	Sft	
		3x2x(10+15)x7	1050	"	
		1x2x(10+8)x7	252	"	
		1x2X(10+10-5/8)x7	289	"	
		1x2x4-3/8x7	61	"	

		1x2x(15+10-5/8)x7	359	"
		1x2x5-3/8x7	75	"
		2x2x(9+15)x7	672	"
		1x2x(9+8)x7	238	"
		1x2x(10+6-5/8)x7	233	"
		1x2x8-3/8x7	117	"
		1x2x(15+10)x7	350	"
		1x2x(15+8)x7	322	"
		1x2x(15+16)x7	434	"
		1x2x(14+10)x7	336	"
	Cor-1	1x2x17-3/8x7	243	"
		1x2x24-3/8x7	341	"
	Cor-2	1x116-7/8x7	818	"
		1x134-7/8x7	944	"
	Cor-3	1x143-3/4x7	1006	"
		1x56-1/8x7	393	"
	Cor-4	2x16-1/2x7	231	"
	Cor.5	2x15-3/4x7	221	"
	Cor.6	2x17-1/2x7	245	"
	Hall	1x(15+15+15+7)x7	364	"
		1x2x(17-1/2+5-1/2)x7	322	"
	Baths	10x2x(4+5)x6-1/4	1125	"
		1x2x(4+8)x6-1/4	150	"
		1x2x(14+10)x6-1/4	300	"
		1x6x6-1/4	38	"
		Total.	**12782**	**Sft**

5 Dismantling brick work in lime or cement mortar.

	Vanity	4x2x3/8x2-1/2	8	Sft
		3x2x3/8x2-1/2	6	"
		Total.	**13**	**Sft**

6 Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.

	Vanity	1x(10+6)x2x1/6	5	Cft
		1x(16+5)x2x1/6	7	"
		Total.	**12**	**Cft**

7 Dismantling of P.C.C 1:2:4.

		2x21x22-1/2x1/6	157	Cft
		3x10x15x1/6	75	"
		1x10x8x1/6	13	"
		1x10x10-5/8x1/6	18	"
		1x4-5/8x4-3/8x1/6	3	"
	St. Store	1x5-1/2x15x1/6	14	"
		1x15x12-1/2x1/6	31	"

		1x15x10-5/8x1/6	27	"
		1x10-5/8x4-3/8x1/6	8	"
		2x9x15x1/6	40	"
		1x9x8x1/6	12	"
		1x10x6-5/8x1/6	11	"
		1x5-1/4x8-3/8x1/6	7	"
		1x15x10x1/6	25	"
		1x15x8x1/6	20	"
		1x15x16x1/6	40	"
	Cor-1	2x17-3/8x7x1/6	41	"
	Cor-2	1x144-3/8x7x1/6	168	"
	Cor-3	1x143-3/4x7x1/6	168	"
	Cor-4	1x16-1/2x4x1/6	11	"
	Cor.5	1x15-3/4x7x1/6	18	"
	Cor.6	1x17-1/2x9-1/2x1/6	28	"
	Hall	1x15x19-1/2x1/6	49	"
	Boths	10x4x5x1/6	33	"
		1x4x8x1/6	5	"
	Laun.	2x14x10x1/6	47	"
		1x6x6-1/4x1/6	6	"
	Door Cill	4x4x3/4x1/6	2	"
		6x3x3/4x1/6	2	"
		1x2-3/4x3/4x1/6	0	"
		6x3-1/2x3/4x1/6	3	"
		11x2-1/2x3/8x1/6	2	"
	Laun. Opening	1x4x3/4x1/6	0	"
		Total.	**1084**	**Cft**

8 Pacca brick work in ground floor (1:6).

	Window Opening Closed	3x4-1/2x3-1/2	47	Cft
		Total.	**47**	**Cft**

9 P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.

		2x21x22-1/2x1/3	315	Cft
		3x10x15x1/3	150	"
		1x10x8x1/3	27	"
		1x10x10-5/8x1/3	35	"
		1x4-5/8x4-3/8x1/3	7	"
	St. Store	1x5-1/2x15x1/3	27	"
		1x15x12-1/2x1/3	62	"
		1x15x10-5/8x1/3	53	"
		1x10-5/8x4-3/8x1/3	15	"
		2x9x15x1/3	80	"
		1x9x8x1/3	24	"
		1x10x6-5/8x1/3	22	"
		1x5-1/4x8-3/8x1/3	15	"

	1x15x10x1/3	50	"
	1x15x8x1/3	40	"
	1x15x16x1/3	80	"
Cor-1	2x17-3/8x7x1/3	81	"
Cor-2	1x144-3/8x7x1/3	337	"
Cor-3	1x143-3/4x7x1/3	335	"
Cor-4	1x16-1/2x4x1/3	22	"
Cor.5	1x15-3/4x7x1/3	37	"
Cor.6	1x17-1/2x9-1/2x1/3	56	"
Hall	1x15x19-1/2x1/3	97	"
Boths	10x4x8x1/3	67	"
	1x4x8x1/3	11	"
Laun.	2x14x10x1/3	93	"
	1x6x6-1/4x1/3	12	"
	Total.	**2151**	**Cft**

10 P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.

Qty as per item # 7	1084	Cft
Total.	**1084**	**Cft**

11 ½" thick cement plaster (1:4) on walls upto 20' height .

Qty as per item # 4	12782	Sft
Total.	**12782**	**Sft**

12 Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Veried Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Floor).

	2x21x22-1/2	945	Sft
	3x10x15	450	"
	1x10x8	80	"
	1x10x10-5/8	106	"
	1x4-5/8x4-3/8	20	"
St. Store	1x5-1/2x15	83	"
	1x15x12-1/2	188	"
	1x15x10-5/8	159	"
	1x10-5/8x4-3/8	46	"
	2x9x15	240	"
	1x9x8	72	"
	1x10x6-5/8	66	"
	1x5-1/4x8-3/8	44	"
	1x15x10	150	"
	1x15x8	120	"
	1x15x16	240	"
Cor-1	2x17-3/8x7	243	"

Cor-2	1x144-3/8x7	1011	"
Cor-3	1x143-3/4x7	1006	"
Cor-4	1x16-1/2x4	66	"
Cor.5	1x15-3/4x7	110	"
Cor.6	1x17-1/2x9-1/2	166	"
Hall	1x15x19-1/2	293	"
Baths	10x4x5	200	"
	1x4x8	32	"
Laun.	2x14x10	280	"
	1x6x6-1/4	38	"
Door Cill	4x4x3/4	12	"
	6x3x3/4	14	"
	1x2-3/4x3/4	2	"
	6x3-1/2x3/4	16	"
	11x2-1/2x3/8	10	"
Laun. Opening	1x4x3/4	3	"
	Total.	**6511**	**Sft**

13 Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Dado).

Qty as per item # 3-A	6528	Sft
Total.	**6528**	**Sft**

14 Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR FLOOR)

Baths	10x4x5	200	Sft
	1x4x8	32	"
Laun.	2x14x10	280	"
	11x2-1/2x3/8	10	"
Laun. Opening	2x4x3/4	6	"
	Total.	**528**	**Sft**

15 Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR DADO)

Qty as per item # 3-B	1571	Sft
Total.	**1571**	**Sft**

16 Providing and fixing M.S Grill c/o 3/8"x3/8" M.S square bars 4" centre to centre Horizontally & vertically with M.S flat 1"x1/8" 2 Nos Horizontally in centre and outer frame of M.S angle iron 1"x1"x1/8" all around 6 Nos holdfast 9" long of M.S angle iron ¾"x¾"x1/8" painting three coats i/c cost of labour, material, carriage, welding charges etc. complete in all respect and as approved by the Engineer Incharge.

Cord.	13x10x5-1/2	715	Sft
	6x8x5-1/2	264	"
	2x7-1/4x5-1/2	80	Sft
	2x3-3/4x5-1/2	41	"
Cord.C.window	13x10x1-1/2	195	Sft
	6x8x1-1/2	72	"
	2x7-1/4x1-1/2	22	Sft
	2x3-3/4x1-1/2	11	"
	Total.	**1400**	**Sft**

17 Providing and fixing 1¾" (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 respects i/c Ms angle iron 1-1/2"x1-1/2"x1/4" welded with ms flat 2"x1/4"

D-1	4x4x7-1/2	120	Sft
D-2	6x3x7-1/2	135	"
D-3	1x2-3/4x7-1/2	21	"
D-4	6x3-1/2x7-1/2	158	"
D-5	11x2-1/2x7-1/2	206	"
	Total.	**639**	**Sft**

18 Providing and fixing class room almirah shutter consisting of 1¼"x1¼"x3/16" angle iron outer frame and 1"x1"x3/16" angle iron shutter frame with MS Sheet 20 SWG locking arrangements handles including paining 03 coats complete in all respect.

	3x5-1/4x8	126	Sft
	Total.	**126**	**Sft**

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

W-1	28x4-1/2x5	630	Sft
W-2	9x4-1/2x3-1/2	142	"
W-3	1x5x3-1/2	18	"
W-4	1x6x4-1/2	27	"
W-5	4x1-1/2x4	24	"
	Total.	**840**	**Sft**

20 Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc. complete in all respects:-On exterior surface (with mastic strip)

	4x(11-1/2+7+11-1/2)		120	Rft
		Total.	**120**	**Rft**

21 Distempering 02-coats on old surface.

	2x21x22-1/2	945	Sft
	3x10x15	450	"
	1x10x8	80	"
	1x10x10-5/8	106	"
	1x4-5/8x4-3/8	20	"
St. Store	1x5-1/2x15	83	"
	1x15x12-1/2	188	"
	1x15x10-5/8	159	"
	1x10-5/8x4-3/8	46	"
	2x9x15	240	"
	1x9x8	72	"
	1x10x6-5/8	66	"
	1x5-1/4x8-3/8	44	"
	1x15x10	150	"
	1x15x8	120	"
	1x15x16	240	"
Cor-1	2x17-3/8x7	243	"
Cor-2	1x144-3/8x7	1011	"
Cor-3	1x143-3/4x7	1006	"
Cor-4	1x16-1/2x4	66	"
Cor.5	1x15-3/4x7	110	"
Cor.6	1x17-1/2x9-1/2	166	"
Hall	1x15x19-1/2	293	"
Boths	10x4x5	200	"
	1x4x8	32	"
Laun.	2x14x10	280	"
	1x6x6-1/4	38	"
	Total.	**6454**	**Sft**

22 Preparing surface and painting with emulsion paint 03-coats.

	Qty as per item # 11	12782	Sft
	Total.	**12782**	**Sft**

23 Painting to doors and windows 03-coats on new surface.

D-1	4x2x4x7-1/2	240	Sft
D-2	6x2x3x7-1/2	270	"
D-3	1x2x2-3/4x7-1/2	41	"
D-4	6x2x3-1/2x7-1/2	315	"
D-5	11x2x2-1/2x7-1/2	413	"

Cor-4	1x16-1/2x4	68	"
Cor.5	1x15-3/4x7	110	"
Cor.6	1x17-1/2x9-1/2	166	"
Hall	1x15x19-1/2	293	"
	2x14x10	280	"
	1x6x6-1/4	38	"
	Total.	**6222**	**Sft**

27 P/L face work by using gutka 9" x 2-1/4"x2-1/4" of approved quality in cement surkhi mortar 1:3 i/c back filling of 1:3 cement sand mortar making tradezoidal groove/ set back of 1/4" depth during fresh masonry work laid with g.i. wire 8-swg, 8-shapped wall ties, one side embeded in the masonry work and other side in gutka at 12" center to center vertically and 36" center to center horizontally as approved by the engineer incharge.

Outside	2x130-3/8x25	6519	Sft
	2x5-1/8x25	256	"
	2x25-1/2x25	1275	"
	2x(7+12-1/2+16-1/4)x25	1788	"
	Total.	**10337**	**Sft**

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST

MAIN BLOCK

Sr. #	Description of Items	Qty	Unit	Rate	Amount
	GROUND FLOOR				
1	Remiving Doors with chokhat	6	Each	346.50	2079
2	Removing of window or skylight.	11	Each	270.60	2977
3	Dismantling glazed or encaustic tiles, etc.	936	%Sft	1848.00	17290
4	Dismantling of P.C.C 1:2:4.	736	%cft	8712.00	64090
5	P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.	224	%Cft	5514.60	12347
6	P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.	736	%Cft	25317.60	186251
7	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Floor).	1451	P.Sft	291.00	422277
8	Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X12" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Dado).	936	P.Sft	307.00	287237
9	Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR FLOOR)	109	P.Sft	200.00	21800
10	Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR DADO)	570	P.Sft	210.00	119700
11	Providing and laying chequred tile (nons-slippery for ramp)(Master OR Equivalent) 12"x12"x10-mm, for flooring, laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect as approved by the Engineerincharge	1492	P.Sft	200.00	298300

Sr. #	Description of Items	Qty	Unit	Rate	Amount
12	Providing and fixing M.S Grill c/o 3/8"x3/8" M.S square bars 4" centre to centre Horizontally & vertically with M.S flat 1"x1/8" 2 Nos Horizontally in centre and outer frame of M.S angle iron 1"x1"x1/8" all around 6 Nos holdfast 9" long of M.S angle iron ¾"x¾"x1/8" painting three coats i/c cost of labour, material, carriage, welding charges etc. complete in all respect and as approved by the Engineer Incharge.	330	P.Sft	375.00	123750
13	Providing and fixing 1¾" (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 respects	141	P.Sft	409.20	57544
14	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	330	P.Sft	839.20	276936
15	Distempering 02-coats on old surface.	1451	%Cft	447.80	6498
16	Preparing surface and painting with emulsion paint 03-coats.	4593	%Sft	2248.20	103268
	Total Rs.				2002345
	Rate per Sft	2002345 / 48908			
	Rs.	**40.94105**	**P.Sft**		
	Say Rs.	**41**	**P.Sft**		

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

MAIN BLOCK (G. FLOOR)

SR	DESCRIPTION	DETAIL		QTY	UNIT
1	Remiving Doors with chokhat	1x(6)		6	No
2	Removing of window or skylight.				
		1x(8)		8	No
		1x(3)		3	"
			Total.	11	No
3	Dismantling glazed or encaustic tiles, etc.				
	admin room	1x2x(10-1/4+17)x1/2		27	Sft
	store	1x2x(10-1/2+10-1/2)x5		210	"
	Ent Lobby	1x2(11-1/2+10-3/8)x1/2		22	"
	Ms Office	1x2(22+17)x1/2		39	"
	pantry+bath	2x2x(5-1/2+7)x5		250	"
	Establishment/Record	2x2(16-3/4x17)x1/2		68	"
	scrub	2x2x(8+8)x5		320	"
			Total.	936	Sft
4	Dismantling of P.C.C 1:2:4.				
	admin room	1x1x10-1/4x17x1/4		44	Cft
	store	1x1x10-1/2x10-1/2x1/4		26	"
	Ent Lobby	1x11-1/2x10-3/8x1/4		30	"
	Ms Office	1x22x17x1/4		94	"
	pantry+bath	2x5-1/2x7x1/4		19	"
	Establishment/Record	2x16-3/4x17x1/4		142	"
	scrub	2x2x8x8x1/4		8	"
	Ramp	1x157x9-1/2x1/4		373	"
			Total.	736	Cft
5	P/L dry rammed brick or stone ballast 1-1/2" to 2" gauge i/c 25% sand mixed.				
	pantry+bath	2x5-1/2x7x1/3		25	Cft
	Establishment/Record	2x16-3/4x17x1/3		188	"
	scrub	2x2x8x8x1/3		11	"
			Total.	224	Cft
6	P/L P.C.C 1:2:4 i/c curing compaction placing & finishing complete.				
		Qty as per item # 4		736	Cft

		Total.	**736**	**Cft**

7 Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X24" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Floor).

admin room	1x1x10-1/4x17	174	Sft
store	1x1x10-1/2x10-1/2	108	"
Ent Lobby	1x11-1/2x10-3/8	119	"
Ms Office	1x22x17	374	"
pantry+bath	2x5-1/2x7	77	"
Establishment/Record	2x16-3/4x17	570	"
scrub	2x2x8x8x	32	"
	Total.	**1451**	**Sft**

8 Extra rate for P/L Prepolished Porcelain Tile "Master Or Eq" with Dry / Wet / Venied Application, DWV Series (Light Color) class Sb, 24"X12" size over a bed of 3/4" thick c/c plaster 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the Engineer Incharge (For Dado).

admin room	1x2x(10-1/4+17)x1/2	27	Sft
store	1x2x(10-1/2+10-1/2)x5	210	"
Ent Lobby	1x2(11-1/2+10-3/8)x1/2	22	"
Ms Office	1x2(22+17)x1/2	39	"
pantry+bath	2x2x(5-1/2+7)x5	250	"
Establishment/Record	2x2(16-3/4x17)x1/2	68	"
scrub	2x2x(8+8)x5	320	"
	Total.	**936**	**Sft**

9 Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR FLOOR)

pantry+bath	2x5-1/2x7	77	Sft
scrub	2x2x8x8	32	Sft
	Total.	**109**	**Sft**

10 Extra rate for P/L Ceramic Tile (Master Or Equivalent) Sp Series On Matching Color Base (Glossy / Matt) Light Color Rectified Sb 12"X18" Size Laid Over A Bed Of 3/4" Thick Cement Sand Mortar 1:2 I/C Filling Joints With White Cement Mixed With Matching Pigments Complete In All Respect As Approved By The Engineer Incharge.(FOR DADO)

pantry+bath	2x2x(5-1/2+7)x5	250	Sft
scrub	2x2x(8+8)x5	320	Sft
	Total.	**570**	**Sft**

16 Preparing surface and painting with emulsion paint 03-coats.

admin room	1x2x(10-1/4+17)x11-1/2	627	Sft
store	1x2x(10-1/2+10-1/2)x6-1/2	273	"
Ent Lobby	1x2(11-1/2+10-3/8)x11-1/2	503	"
Ms Office	1x2(22+17)x11-1/2	897	"
pantry + bath	2x2x(5-1/2+7)x6-1/2	325	"
Establishment/Record	2x2(16-3/4x17)x11-1/2	1553	"
scrub	2x2x(8+8)x6-1/2	416	"
	Total.	**4593**	**Sft**

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST OLD MATERIAL

2nd Bi-Annual 2021

	GROUND FLOOR				
	Deduct Cost of Old Material.				
1	Bricks. 1 x 562 x 50% x 13.50	3794	%0Cft	5000.00	18968
2	Bats 1 x 562 x 50%	281	%Cft	3000.00	8430
3	Recived doors solid flush u/s.	31	Each	500.00	15500
4	Received MS windows rusted u/s.	37	Each	1000.00	37000
6	Received MS c.window grill rusted u/s.	46	Each	500.00	23000
	FIRST FLOOR				
	Deduct Cost of Old Material.				
1	Recived doors solid flush u/s.	31	Each	500.00	15500
2	Received MS windows rusted u/s.	37	Each	1000.00	37000
3	Received MS c.window grill rusted u/s.	46	Each	500.00	23000
	Deduction Total Rs.				178398

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

FACADE IMPROVEMENT

1-	Aluminum Cladding panels fixed on wall of exterior surface i/c all allied materials as directed & approved design by the Engineer Incharge.						
	Main building	1x329x30	9870	Sft			
	Main building	1x329x15	4935	Sft			
	Taper	1(44)21	924	"			
	old block	1x140x30	4200	Sft			
		Total=	**19929**	**Sft**	**350**	**P.Sft**	**6975150**
2-	ADD charges for improvement of façade making design pergolas, pillars new design, removing gutka and plaster,weather sheild etc complete		19929	Sft			
		Total=	**19929**	**Sft**	**120**	**P.Sft**	**2391480**
						Say Rs.	**9366630**

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division,
Sialkot.

Executive Engineer
Buildings Division
Sialkot

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST

EXTERNAL ELECTRIFICATIONS, DB'S

2nd Bi-Annual 2021

Sr. #	Description of Items	Qty	Unit	Rate	Amount
1	MAIN L.T. PANEL BOARD	1	Each	~~5013795~~	~~5013795~~ 196000
2	SYNCHRONIZING/LOAD SHARING CONTROL	1	Each	~~6723141~~	~~6723141~~ 667500
3	150KVAR AUTOMATIC POWER FACTOR IMPROVEMENT PLANT	2	Each	~~922283~~ 900683	~~1844566~~ 1801366
4	MDB-1	1	Each	960453	960453
5	PSMDB-1 (OLD BUILDING)	1	Each	1007422	1007422
6	FEEDER PILLER PANEL FOR EXTERNAL LIGHTING.	1	Each	~~226320~~	~~226320~~ 204120
7	Mineral Based Earthing	8	Each	122400	979200
8	External Wiring	1	Job	45118038 5283380	~~45118038~~ 5283380
9	Lightning Protection	1	Job	1502189	1502189
	Total Rs.				~~63375124~~ 7093430

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high dersity hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

MAIN L.T. PANEL BOARD

SR.No	DESCRIPTION OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING FROM 630KVA TRANSFORMER-1						
1	1250A TP ACB 65KA	1	No.	Terasaki/Legrand	737,100	737,100
2	Under Voltage Trip 220VAC	1	No.	Terasaki/Legrand	52,650	52,650
3	Shunt Trip Closing	1	No.	Terasaki/Legrand	35,100	35,100
4	Motor Mechanism 230VAC	1	No.	Terasaki/Legrand	187,200	187,200
5	Surge Protective Device (SPD)	1	No.	Iskra/Dhan	146,250	146,250
6	Phase Protection Relay (PPR)	1	No.	Entes/Eqv.	171,112	171,112
7	ON/OFF Push Button	2	Nos.	Schineder/Eqv.	1,404	2,808
8	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605	22,815
9	Digital Ampere Meter 0~1250A	3	No.	Smart Controller	7,020	21,060
10	Current Transformer 1200/5A	3	Nos.	Fico/Eqv.	5,265	15,795
11	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702	2,106
12	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579	4,737
INCOMING FROM SYNCHRONIZING PANEL.						
1	1250A FOUR POLE ACB 65KA	1	No.	Terasaki/Legrand	737,100	737,100
2	Under Voltage Trip 220VAC	1	No.	Terasaki/Legrand	52,650	52,650
3	Shunt Trip Closing	1	No.	Terasaki/Legrand	35,100	35,100
4	Motor Mechanism 230VAC	1	No.	Terasaki/Legrand	187,200	187,200
5	ON/OFF Push Button	2	Nos.	Schineder/Eqv.	1,404	2,808
6	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605	22,815
7	Digital Ampere Meter 0~1250A	3	No.	Smart Controller	7,020	21,060
8	Current Transformer 1200/5A	3	Nos.	Fico/Eqv.	5,265	15,795
9	Indication Lamp (R+Y+B)	3	Nos.	Schineder/Eqv.	702	2,106
10	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579	4,737
	OUTGOING CIRCUIT					
1	800A TP MCCB 65KA FOR MDB-1	1	No.	Terasaki/Legrand	315,900	315,900
2	400A TP MCCB 35KA FOR SMDB1F	1	Nos.	Terasaki/Legrand	101,790	101,790
3	32A TP MCCB 25KA FOR DBLP-ER	1	No.	Terasaki/Legrand	23,400	23,400
4	400A TP MCCB 35KA FOR OLD BUILDING	1	No.	Terasaki/Legrand	101,790	101,790
5	150A TP MCCB 36KA MASJID	1	No.	Terasaki/Legrand	47,970	47,970
6	50A TP MCCB 25KA DB-WFP	1	No.	Terasaki/Legrand	23,400	23,400
7	200A TP MCCB 36KA SPARE	1	No.	Terasaki/Legrand	47,970	47,970
8	60/100A MCCB 25KA	2	Nos.	Terasaki/Legrand	23,400	46,800
9	ONLY SPACE FOR FUTURE MCCB	3	Nos.	Terasaki/Legrand	space	
	MECHANICAL PORTION					
1	12/14SWG Powder Painted Indoor Type 04-cubicals ems make Size 6'X2'X2' each	96	Cft	EMS/SEMIENS	2,106	202,176
2	1500A TPN&E 99.8% Electrolytic Copper bus bar for- for main & link. Size 3-100X10MM sq. for main & links as per rating of each breaker	275	Kg	EMS/SEMIENS	2,048	563,063
	Bus Bar 1250A 3(80x10mm)					
	Bus Bar 400/250A (25x10mm)					
	Bus Bar 200A (25x6mm)					
	Bus Bar 150A (25x6mm)					
	CABLE 100A (25mm)					
3	Cable Control/Thimble/Tie Gland backled & saftey sheets live part Insulator,Nut Bolts Ets	4.00	Job	EMS/SEMIENS	17,550	70,200
4	Fixing/Assembling/installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty.	4.00	Job	EMS/SEMIENS	23,400	93,600
					TOTAL	4,118,163
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	~~40,000~~	~~40,000~~
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	20,000	20,000
	Total			4138163		~~4,178,163~~
	20 Contractor profit & overhead 20%			827632		~~835,633~~
	Total			4965796		~~5,013,795~~
			Say	4966000		5,013,795

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high density hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

SYNCHRONIZING/LOAD SHARING CONTROL PANEL FOR 600KVA SYSTEM.

SI	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING FROM 100~200KVA GENERATOR-1						
1	400A TP MCCB 50KA ADJUSTABLE	1	No.	Terasaki/Legrand	101,790.00	101,790.00
2	400A AC3 Mag. Contactor 4-Pole	1	No.	Schinder/mitsubishi	374,400.00	374,400.00
3	Synchronizing/Load Sharing Module 8660	1	No.	Terasaki/Legrand	526,500.00	526,500.00
4	Battery & Battery Charger	1	No.	Terasaki/Legrand	76,050.00	76,050.00
5	Miniature Relay 220VAC 11-PIN	8	No.	Iskra/Dhen	6,786.00	54,288.00
6	Auto/Manual Switch	1	No.	Entes/Eqv.	1,755.00	1,755.00
7	ON/OFF Push Button	2	Nos.	Schineder/Eqv.	1,404.00	2,808.00
8	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605.00	22,815.00
9	Digital Ampere Meter 0~1250A	3	No.	Smart Controller	7,020.00	21,060.00
10	Current Transformer 1200/5A	3	Nos.	Fico/Eqv.	3,276.00	9,828.00
11	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702.00	2,106.00
12	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579.00	4,737.00
INCOMING FROM 100~200KVA GENERATOR-2						
1	400A TP MCCB 50KA ADJUSTABLE	1	No.	Terasaki/Legrand	101,790.00	101,790.00
2	400A AC3 Mag. Contactor	1	No.	Terasaki/Legrand	374,400.00	374,400.00
3	Synchronizing/Load Sharing Module 8660	1	No.	Terasaki/Legrand	526,500.00	526,500.00
4	Battery & Battery Charger	1	No.	Terasaki/Legrand	76,050.00	76,050.00
5	Miniature Relay 220VAC 11-PIN	8	No.	Iskra/Dhen	6,786.00	54,288.00
6	Auto/Manual Switch	1	No.	Entes/Eqv.	1,755.00	1,755.00
7	ON/OFF Push Button	2	Nos.	Schineder/Eqv.	1,404.00	2,808.00
8	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605.00	22,815.00
9	Digital Ampere Meter 0~1250A	3	No.	Smart Controller	7,020.00	21,060.00
10	Current Transformer 1200/5A	3	Nos.	Fico/Eqv.	3,276.00	9,828.00
11	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702.00	2,106.00
12	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579.50	4,738.50
INCOMING FROM 100~200KVA GENERATOR-3						
1	400A TP MCCB 50KA ADJUSTABLE	1	No.	Terasaki/Legrand	101,790.00	101,790.00
2	400A AC3 Mag. Contactor	1	No.	Terasaki/Legrand	374,400.00	374,400.00
3	Synchronizing/Load Sharing Module 8660	1	No.	Terasaki/Legrand	526,500.00	526,500.00
4	Battery & Battery Charger	1	No.	Terasaki/Legrand	76,050.00	76,050.00
5	Miniature Relay 220VAC 11-PIN	8	No.	Iskra/Dhen	6,786.00	54,288.00
6	Auto/Manual Switch	1	No.	Entes/Eqv.	1,755.00	1,755.00
7	ON/OFF Push Button	2	Nos.	Schineder/Eqv.	7,605.00	15,210.00
8	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605.00	22,815.00
9	Digital Ampere Meter 0~1250A	3	No.	Smart Controller	3,276.00	9,828.00
10	Current Transformer 1200/5A	3	Nos.	Fico/Eqv.	3,276.00	9,828.00
11	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702.00	2,106.00
12	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579.50	4,738.50
OUTGOING CIRCUIT						
1	1250A TP MCCB ADJUSTABLE 65KA	1	No.	Terasaki/Legrand	403,650.00	403,650.00
2	400A TP MCCB 35KA	1	Nos.	Terasaki/Legrand	101,790.00	101,790.00
3	200A TP MCCB 35KA	1	No.	Terasaki/Legrand	47,970.00	47,970.00
4	100A TP MCCB 25KA	1	No.	Terasaki/Legrand	23,400.00	23,400.00
9	ONLY SPACE FOR FUTURE MCCB	3	Nos.	Terasaki/Legrand		
MECHANCAL PORTION						
1	12/14SWG Powder Painted Indoor Type 04-cubicals ems make Size 6'X2'X2' each	96	Cft	EMS/SEMIENS	2,106.00 2,047.00	202,176.00
2	1500A TPN&E 99.8% Electrolytic Copper bus bar for- for main & link. Size 3-100X10MM sq. for main & links as per rating of each breaker.	275	Kg	EMS/SEMIENS	2,047.50	563,062.50
	Bus Bar 1250A 3(80x10mm)					
	Bus Bar 400/250A (25x10mm)					
	Bus Bar 200A (25x6mm)					
	CABLE 100A (25mm)					
3	Cable Control/Thimble/Tie Gland backled &	4.00	Job	EMS/SEMIENS	25,740.00	102,960.00

	saftey sheets live part Insulator,Nut Bolts Ets					
4	Softwear of Synchronizing/Load Sharing commissioning at site	3.00	Job	DEEP SEE UK	58,500.00	175,500.00
6	Shelded Cable 2.5mm 6core for generator to synch module 03-sles.	150.00	meter	Pak/new/Imported	1,579.50	236,925.00
7	Fixing/Assembling/Installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty	4.00	Job	EMS/SEMIENS	23,400.00	93,600.00
					TOTAL	5,546,618
B	**LABOUR (For installation)**					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	~~38,000~~	~~38,000~~
C	**SUNDRIES**					
	Included in item (B) above					
D	**CARRIAGE / TRANSPOT / HANDLING**					
	From factory to site of work		1	Job	18,000	18,000
	Total				5564618	~~6,602,618~~
	20 Contractor profit & overhead 20%				112923	~~1,120,524~~
	Total				6677542	~~6,723,141~~
			Say		6677500	~~6,723,141~~

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high density hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

150KVAR AUTOMATIC POWER FACTOR IMPROVEMENT PLANT

Sl	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
1	400A LOAD BREAK SWITCH	1	No	SOCMEC/LKE	60,840.00	60,840.00
2	Power Capacitors 25 KVAr	6	No	Enerlux/Iskra/Entes	26,910.00	161,460.00
3	Magnetic Contactor 40A AC3	6	No	Mit/Sch/ter/hita	19,656.00	117,936.00
4	63A HRC Fuse with Base	18	No	Efen/jean/Muller	2,925.00	52,650.00
5	Reactive Power Regulator 6-step	1	No	Entes/Micro	60,840.00	60,840.00
6	ON/OFF Push Button	12	No	Telemechnique	596.70	7,160.40
7	Indications Lamp	6	No	Telemechnique	596.70	3,580.20
8	Auxiliary Contactor	4	No	GE/Hitachi	4,574.70	18,298.80
9	Sureabsorber	18	No	EMS	2,574.00	46,332.00
10	Automanual Switch	1	No	DPAS/GGT/Merz	2,106.00	2,106.00
11	Exhaust Fan Cassettes	1	No	Imported	5,265.00	5,265.00
	Thermostat	1	No	Imported	3,276.00	3,276.00
	MECHANICAL PORTION					
1	12/14SWG Powder Painted Indoor Type 01-cubicals ems make Size 6'X2'X2' each	24	Cft	EMS/SEMIENS	1,755.00	42,120.00
2	500A TPN&E 99.8% Electrolytic Copper bus bar for main Size 3-10CX10MM sq. for main as per SLD	58	Kg	EMS/SEMIENS	2,047.50	118,755.00
3	Cable Control/Thimble/Tie Gland backled & saftey sheets live part Insulator,Nut Bolts Ets	1.00	Job	EMS/SEMIENS	17,550.00	17,550.00
4	Fixing/Assembling/Installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty	1.00	Job	EMS/SEMIENS	23,400.00	23,400.00
					TOTAL	741,569
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	~~38,000~~	~~38,000~~
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	18,000	9,000
	Total				750569	~~768,569~~
	20 Contractor profit & overhead 20%				150114	~~153,714~~
	Total				900683	~~922,283~~
			Say			~~922,283~~

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
25 Sialkot

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high density hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

MDB-1

SI	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING FROM L.T. PANEL-1						
1	800A TP MCCB 50KA ADJUSTABLE	1	No.	Terasaki/Legrand	31,590.00	31,590.00
2	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605.00	22,815.00
3	Digital Ampere Meter 0~800A	3	No.	Smart Controller	7,605.00	22,815.00
4	Current Transformer 800/5A	3	Nos.	Fico/Eqv.	4,797.00	14,391.00
5	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702.00	2,106.00
6	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,579.50	4,738.50
OUTGOING CIRCUIT						
1	630A TP MCCB ADJUSTABLE 65KA.	1	No.	Terasaki/Legrand	196,560.00	196,560.00
2	100A TP MCCB 25KA	1	Nos.	Terasaki/Legrand	23,400.00	23,400.00
3	63A TP MCCB 25KA	1	No.	Terasaki/Legrand	23,400.00	23,400.00
9	ONLY SPACE FOR FUTURE MCCB	3	Nos.	Terasaki/Legrand		
MECHANICAL PORTION						
1	12/14SWG Powder Painted Indoor Type 02-cubicals ems make Size 6'X2'X2' each	48	Cft	EMS/SEMIENS	1,755.00	84,240.00
2	1000A TPN&E 99.8% Electrolytic Copper bus bar for for main & link Size 3-60X10MM sq. for main & links as per rating of each breaker.	126	Kg	EMS/SEMIENS	2,047.00	257,922.00
	Bus Bar 800A 3(50x10mm)					
	Bus Bar 630A (40x10mm)					
	CABLE 100A (25mm)					
3	Cable Control/Thimble/Tie Gland backled & saftey sheets live part Insulator,Nut Bolts Ets	2.00	Job	EMS/SEMIENS	17,550.00	35,100.00
4	Fixing/Assembling/Installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty	2.00	Job	EMS/SEMIENS	23,400.00	46,800.00
					TOTAL	765,878
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	38,000	22,000
C	SUNDRIES					
	Included in item (B) above					-
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	18,000	12,500
	Total					800,378
	20 Contractor profit & overhead 20%					160,076
	Total					960,453
			Say			960,453

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high density hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

PSMDB-1 (OLD BUILDING)

Sl	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING FROM L.T. PANEL-1						
1	400A TP MCCB 50KA ADJUSTABLE	1	No.	Terasaki/Legrand	101,790	101,790.00
2	Digital Volt Meter 0~500V	3	No.	Smart Controller	7,605	22,815.00
3	Digital Ampere Meter 0~630A	3	No.	Smart Controller	7,020	21,060.00
4	Current Transformer 600/5A	3	Nos.	Fico/Eqv.	2,808	8,424.00
5	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schineder/Eqv.	702	2,106.00
6	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,580	4,738.50
OUTGOING CIRCUIT						
1	150A TP MCCB 35KA. FOR PDB-150A	3	No.	Terasaki/Legrand	47,970	143,910.00
2	100A TP MCCB 25KA FOR PDB-100A	1	Nos.	Terasaki/Legrand	23,400	23,400.00
3	63A TP MCCB 25KA FOR SPARE	1	No.	Terasaki/Legrand	23,400	23,400.00
4	50A TP MCCB 25KA FOR FP	1	No.	Terasaki/Legrand	23,400	23,400.00
5	40A TP MCCB 25KA FOR DB-M	1	No.	Terasaki/Legrand	23,400	23,400.00
6	ONLY SPACE FOR FUTURE MCCB	2	Nos.	Terasaki/Legrand	23,400	46,800.00
MECHANICAL PORTION						
1	14SWG Powder Painted Indoor Type 01-cubicals ems make Size 5'X4'X1.5' each	30	Cft	EMS/SEMIENS	1,755	52,650.00
2	800A TPN&E 99.8% Electrolytic Copper bus bar for- for main & link. Size 3-60X10MM sq. for main & links as per rating of each breaker.	110	Kg	EMS/SEMIENS	2,048	225,225.00
	Bus Bar 600A (40x10mm)					
	Bus Bar 150A (25x5mm)					
	CABLE 100/63A (25mm)					
3	Cable Control/Thimble/Tie Gland backled & safety sheets live part Insulator Nut Bolts Ets	2.00	Job	EMS/SEMIENS	17,550	35,100.00
4	Fixing/Assembling/Installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty	2.00	Job	EMS/SEMIENS	23,400	46,800.00
					TOTAL	805,019
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	38,000	22,000
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	18,000	12,500
	Total					839,519
	20 Contractor profit & overhead 20%					167,904
	Total					**1,007,422**
			Say			1,007,422

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE

Mineral based Earthing system SOIL TREATMENT MATERIAL AS PER SOIL MINERAL IDENTIFICATION AFTER SOIL TESTING Material will be used as per soil nature not exact quaintly its used accordingly to required resistance value Integrates of PMCE system electrolytes pozolanics items Copper 3M long 16mm Diameter Rod Earth clamps BS 6346 Bore Dia 6" TO 8 Inch Depth 10 ft as per IEEE STANDARD Copper Wire 25mm &Nut Bolts Washers etc complete in all respect and as approved by the engineer incharge.

Mineral Based Earthing

Sl	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING						
1	EARTHING	1	No.	Paragon Focus Engineering	95,000.00	95,000.00
					TOTAL	95,000
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	5,000	5,000
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	2,000	2,000
	Total					102,000
	20 Contractor profit & overhead 20%					20,400
	Total					122,400
			Say			122,400

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

ANALYSIS OF RATE

Supply, fabrication, installation, commissioning and testing of E.M.S make Frame & Door 16 SWG MS Sheet fabricated, indoor type, Concealed Type L.T Switchgear according to IP-44 Standard suitable for 3 phase, 4 wire, 50 Hz system, degreased and derusted, zinc phosphated, Baked finished with electro-static powder coating in approved colour, complete in all respect including high density hard drawn 3 Phase copper bus bar, internal Power and control wiring, equipped as under

FEEDER PILLER PANEL FOR EXTERNAL LIGHTING.

Sl	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
INCOMING						
1	60A TP MCCB 25KA	1	No.	Terasaki/Legrand	20,000.00	20,000.00
2	60A Magnatic Contactor 220VAC AC3	1	No.	Terasaki/Legrand	25,500.00	25,500.00
3	Photo Electric Switch for automatic operation	1	No.	PANSONIC	8,000.00	8,000.00
4	Auto/Manual Switch	1	No.	Opas/eqv	1,500.00	1,500.00
5	Digital Volt Meter 0-500V	1	No.	Smart Controller	6,500.00	6,500.00
6	Volt Selector switch	1	No.	Opas/eqv	6,000.00	6,000.00
7	Indication Lamp (R+Y+B) 220VAC	3	Nos.	Schneder/Eqv	600.00	1,800.00
8	Control MCB 6A 220VAC	3	Nos.	Terasaki/Legrand	1,350.00	4,050.00
OUTGOING CIRCUIT						
1	60A TP MCCB 10KA For BYPASS	1	Nos.	Terasaki/Legrand	16,500.00	16,500.00
2	10/16A SP MCB 10KA	18	No.	Terasaki/Legrand	1,350.00	24,300.00
6	ONLY SPACE FOR FUTURE MCCB	1	Nos.	Terasaki/Legrand		
					MECHANICAL PORTION	
1	14SWG Powder Painted Outdoor Type 01 cubicals ems make Size 4'X2'X6" each	8	Sft	EMS/SEMIENS	1,900.00	15,200.00
2	60A TPN&E 99.8% Electrolytic Copper bus Bar for main & link. Size 3-20X3MM sq	8	Kg	EMS/SEMIENS	1,750.00	14,000.00
3	Cable Control/Thimble/Tie Gland backled & safey sheets live part Insulator,Nut Bolts Ets	19.00	Job	EMS/SEMIENS	400.00	7,600.00
4	Fixing/Assembling/Installation/Testing/Commissioning/Labour ems panel inside work design/admin & electricty	19.00	Job	EMS/SEMIENS	350.00	6,650.00
					TOTAL	157,600
B	LABOUR (For installation)					
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	Job	~~18,500~~	~~18,500.00~~
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	12,500.00	12,500.00
	Total				170100	
	20 Contractor profit & overhead 20%				34020	
	Total				204120	~~226,320~~
			Say			~~226,320~~

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

ANALYSIS OF RATE

Supply & Installation of Complete Early Streamer Emission (ESE) Lightning Protection

LIGHTNING PROTECTION

Sl	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Rate	Amount
1	Supply of Early Streamer Emission (ESE)Air Terminal, in accordance with the Standard NFC 17-102:2011 can with stand current 100kA (10/350us) with testable jack , 10+ years of Manufacturer's Warranty Protection level 1 (Height 5M, Rolling Sphere Radius=>79m) Model: Flash L Make: Turkey (See attached TDS)	1	No.	526,500.00	526,500.00
2	Supply of 5M high Lighting Terminal Mast 50mm Dia Galvanized Steel Complete with all the supports base, angles, brackets wire guard nuts & bolts	1	No.	58,500.00	58,500.00
3	Supply of Tin Copper (25x3) mm down conductor from Air Terminal to Earth Pit.	1	Meter	2,574.00	2,574.00
4	Supply of Lightning Strike Counter Make : Turkey	1	No.	64,350.00	64,350.00
5	Supply of Earth Enhance Powder/Gel (20Kg bag)	2	No.	17,550.00	35,100.00
6	Supply and installation of Earthing Veractor Cone/ Spike Size 2" thick, 12' long as shown in drawings or ¾" dia & 10 ft long copper rod as earth electrode 100 ft or up to the water level, below ground level including cost of boring and lowering the rod (100ft / up to the water level) down, complete with clamp and 2x70mm2 stranded copper conductor from rod to ground surface in 2" dia G.I pipe with watering cap. Man-hole with cover as per detail shown in drawings all earth work should be done according to the advice of electrical consultant	2	No.	99,450.00	198,900.00
7	Supply of Test Clamp to connect the down conductor (surface pasted) duly clamped with brass alloyed clamp to the earth termination and disconnect the down conductor size 2x(25mmx3mm) from the earth termination for regular checks in order to get the earth termination resistance value.	2	Nos	11,700.00	23,400.00
				TOTAL	1,059,324
B	**LABOUR (For installation)**				
	Installation, commissioning, Terminating, Shrounding, Thimbls, Testing, Fixing at site		1	150,000	150,000.00
C	**SUNDRIES**				
	Included in item (B) above				
D	**CARRIAGE / TRANSPOT / HANDLING**				
	From factory to site of work		1	12,500	12,500.00
	scaffolding		1	30,000	30,000.00
	Total				1,251,824
	20 Contractor profit & overhead 20%				250,365
	Total				1,502,189
			Say		1,502,189

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer
Buildings Division
Sialkot

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT

ABSTRACT OF COST

EXTERNAL WIRING

2nd Bi-Annual 2021

Sr. #	Description of Items	No.	Qty	Unit	Rate	Amount
1	Excavation of trenches in all kind of soil, except cutting rock, for water supply pipe lines upto 5 ft depth from ground level, i/c trimming dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc, complete in all respect.(FOR ELECTRIC PVC PIPE LINE)	1	13346	%o Cft	7730.50	103167
2	S/E of PVC pipe for recessed wiring (Main and Sub-Main) purpose, i/c bends, specials, etc., in					
	(i) 6" Dia	1	3057	P.Rft	1188.35	3632786
	(ii) 4" Dia	1	5840	P.Rft	546.25	3190100
3	Construction of Man holes		15			283395
		1	12	P.Nos	18893.00	226716
4	Wapda to Main panel Board 127/.103" S/Core (630 mm²) N-S	4	164	P.Rft	5818.53	386956
5	Main Panel to MDB-1 61/0.93" 4/Core (240mm²) N-S	2	1299	P.Rft	8936.70	23217546
6	" S/Core 37/0.83" (120mm²)	2	1299	P.Rft	588.65	1529313
7	Main Panel to SMDB-1F 37/0.103" 4/Core (185 mm²)	1	1430	P.Rft	3716.80	5315024
8	" S/Core 37/0.072" (95 mm²)	1	1430	P.Rft	469.75	671743
9	Main Panel Board to Ex.lights 7/0.052" 4/Core (10mm²)	1	3640	P.Rft	172.19	626772
10	S/core 7/0.052" (10mm²)	1	3640	P.Rft	46.00	167440
11	Main Panel to DB-M 19/0.83" (70mm²) 4/core	2	1122	P.Rft	1426.55	3201178
12	Main Panel to DB-M 19/0.064" (35mm²) S/core	2	1122	P.Rft	179.50	402798
13	Main Panel to Old Block/Tb/Tube well/mortury/Family 37/0.093" 4/Core (150mm²)	2	1078	P.Rft	2986.25	6438355
14	" 7/0.044" (6mm²) 4/core	1	1330	P.Rft	138.30	183939
15	" 7/0.044" (6mm²) S/core	1	1330	P.Rft	39.60	52668
	Total Rs.					52833180

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

PAKISTAN CABLES LIMITED
QUOTATION

TRUSTED NOT TO COMPROMISE

80-A, F.C.C. Zeeshan Main Road, Gulberg III, Lahore, Pakistan. Phone: (042) 3578 5411-14 Web: www.pakistancables.com

Quote to:		Quote Detail:			
Customer Name :	Enter Customer Name in DFF	PCL Quotation # :	285114-SLK-W&C	Version :	1
Attn :	MR. ZEESHAN	Quote Date :	27-JUL-2021		
Address :	Enter Customer Address in DFF	Customer Inquiry # :	Referenced		
Phone # :		Inquiry Date:	27-JUL-2021		
Fax # :		Project :	TEHSIL HOSPITAL DASKA		
Email :		Account Manager :	Gulam, Qadir		
Currency :	PKR				

Dear Sir/Madam

We thank you for your inquiry dated **27-JUL-2021**. Please find below special prices under the attached/given terms and conditions of offer:

S.#	Description	Requested Quantity	Unit	Unit Price	Amount (Excluding GST)	Sales Tax @ 20 %	Amount (Including GST)
1	CU/PVC/PVC 1X630 MM² (Circular Compacted Conductor) 600/1000V (BS:6346)	1	Meter	13,252.9143	13,253	2,651	15,904
	4-5 WEEKS()						
2	CU/PVC/PVC 4x240 MM² 600/1000 V (BS 6346)	1	Meter	20,356.2108	20,356	4,071	24,427
	4-5 WEEKS()						
3	CU/PVC/PVC 4x185 MM² 600/1000 V (BS 6346)	1	Meter	15,663.1359	15,663	3,133	18,796
	4-5 WEEKS()						
4	CU/PVC/PVC 4x150 MM² 600/1000V (BS 6346)	1	Meter	12,493.5598	12,494	2,499	14,993
	4-5 WEEKS()						
5	CU/PVC/PVC 4x120 MM² 600/1000 V (BS 6346)	1	Meter	10,117.6093	10,118	2,024	12,142
	4-5 WEEKS()						
6	CU/PVC/PVC 4x95 MM² 600/1000 V (BS 6346)	1	Meter	8,128.6386	8,129	1,626	9,755
	4-5 WEEKS()						
7	CU/PVC/PVC 4x70 MM² 600/1000 V (BS 6346)	1	Meter	5,851.7703	5,852	1,170	7,022
	4-5 WEEKS()						
8	CU/PVC/PVC 1X35 MM² 600/1000 V	1	Meter	760.1437	760	152	912
	4-5 WEEKS()						
9	CU/PVC/PVC 4x10MM² 600/1000 V ((RED, YELLOW, BLUE & BLACK) BLACK) (BS:6346)	1	Meter	949.8122	950	190	1,140
	13-15 WEEKS()						
10	CU/PVC/PVC 1X10MM² (STRANDED) 600/1000V (BLACK (BLACK)) (BS:6346)	1	Meter	250.9276	251	50	301
	11-13 WEEKS()						
				Total :	87,826	17,566	105,392

ANALYSIS OF MANHOLE 2'X2' SIZE.

S.No.	Description of Item	Qty.		Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings excluding shuttering and timbering, dressing to correct section and dimensions accordiong to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock. From					
	1x3'x3'x3'	**27 Cft**		6925.65	%0Cft	187
2-	P/L cement concrete 1:6:18 using brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth.					
	3'x3'x1/2'	**4.5 Cft**		12180	%Cft	548
	Horizontal Walls					
	2x3-1/2 x3/4x2-1/2'	13.125 Cft				
	2x2x3/4'x2-2-1/2'	7.5 Cft				
	Total =	**20.625 Cft**		**26289.60**	**%Cft**	5422
4-	P/L P.C.C. 1:2:4 for benching i/c placing compacting, finishing and curing complete (including screening and washing of stone aggregate).					
	1x2'x2'x1/3'	**1.332 Cft**		25317.60	%Cft	337
5-	1/2" thick cement plaster 1:3 up to 20' height i/c floating coat of cement 1/32" thick.					
	inside					
	2(2'+2')2'	32 Sft				
	Total =	**32 Sft**		**3848.4**	**%Sft**	1231
6-	Making and finishing benching floor work in manhole chamber with 1/8" thick cement finish.					
	2(2'+2')2'	**32 Sft**		**2120.9**	**%Sft**	679
7-	RCC 1:2:4 in roof slab, beam, columns, lintels, girders and other structural members laid in situ or precast laid in position or prestressed members cast in situ complete in all respect.					
	1x3-1/2x3-1/2'x1/3'	4.0793 Cft				
	D/d of manhole cover					
	1x(22/7x1-5/6'x1-5/6')/4x1/3'	0.88 Cft				
	Net Total = 9.16 - 0.88 =	**3.1993 Cft**		**418.4**	**P.Cft**	1339
8-	Fabrication of mild steel reinforcement for cement concrete using deformed bars i/c cutting, bending binding, laying in position, making joints and fastening, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).					
9-	P/F 3" thick RCC manhole cover with tee shaped C.I.frame of 20" clear i/d (frame weighing 37.324 k.g. or one maund as per standard drawing STD/PD No.5 of 1977, complete in all respect.	**1 Set**		**9150.10**	**P.Set**	9150
					Total =	18853
					SAY Rs	18853

Sub Divisional Officer
Buildings Sub Division
Sialkot

Executive Engineer
Buildings Division
Sialkot

0302-82-60

EMS

Date:	17/7/2021
Reference:	Q
o Quotation	QE-98/Dec/2021
o Purchase Order	N/A
o Invoice	N/A
o Delivery Challan	N/A
Attention:	Sub. Engineer
Subject:	Low voltage Switchgear
Project:	Revamping of DHQ
Consumer Ref:	DASKA Hospital
Page:	1/2

The Sub Divisional Officer,
(C&W) DHQ Hospital DASKA
Building Department,
Daska-Pakistan

We would like to take this opportunity of thanking you for your inquiry regarding supply of LV Switchgear equipment. Please to submit our most competitive & special prices as per your given specification & SLD Drawings.

OFFER OF LV SWITCHGEAR (ELECTRICAL PANELS)

Sr.#	Mechanism Of Equipment	Qty/Unit	Rate	Amount
01	MAIN L.T. PANEL BOARD 1250A FOR Transformer & Generator System/Automatic operation auto transfer switch with 3-1250A ACB 65KA, Motorized system Surge Protective Devises, Phase Protection Relay, & outgoing circuit 1-800A TP MCCB 65KA, 2-400A TP MCCB 35KA, 100A 300/32/60A. Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 1500A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD.	01 Job.	3,389,550.00	3,389,550.00
02	Synchronizing & Load Sharing Control (600KVA) Panel for 120 to 260KVA Gerenator System, 3-Synchronizing generator Module DEEP SEE UK. 3-400A Automatic Control through 4-Pole Magnetic Contactor AC3, 3-400A MCCB TP MCCB 50KA, Over Load Short Circuit Protection & outgoing circuit 1250A TP MCCB 50KA, 400A TP MCCB 35KA, 200A TP MCCB 35KA, 100A TP MCCB 25KA, Instrument metering Protection & 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 1500A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per Design/Drawing SLD.	01 Set	4,739,700.00	4,739,700.00
03	150KVAR POWER FACTOR IMPROVEMENT PLANT 06-STEP AUTOMATIC RELAY, With 6-25kvar Power Capacitor 440VAC, 6-40A AC3 Mag. Contactor 220VAC, 18-63A HRC Fuse built in Base, 1-6-step PFI Relays, ON/OFF Push Button, ON-Indication Lamp, Surge Observer Discharge coil ems make, Auto Manual Switch, Auxiliary Relays 4Q+4C, Exhaust Fan, Temperature Sensor, 400A Load Break Switch, Instrument metering Protection & 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 500A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per Design/Drawing SLD. Complete with L.T. MAIN PANEL.	01 Sets	608,160.00	608,160.00
04	MAIN DISTRIBUTION BOARD 800A (MDB) with 800A TP MCCB 65KA, & outgoing circuit 1-400A TP MCCB 35KA, 250A IP0/63A, Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD	01 Set	653,150.00	653,150.00

Head Office:
24-F, 1st Floor, Shimla Tower,
5-Davis Road,
Lahore 54000 Pakistan.

Sub Office:
F-1, FF Square Commercial Phase-7
Bahria Town, Rawalpindi., Pakistan.

Factory:
34-Km, Multan Road,
Lahore-Pakistan.

Ph: +92-42-33629-3014-15
E-mail: info@ems-pakistan.com
Web: www.ems-pakistan.com

ENGINEERING MECHANISM SERVICES (SMC) PRIVATE LTD.

EMS

Date:	12/8/2021
Reference:	Q
o Quotation	QT-030/Dec/2021
o Purchase Order	N/A
o Invoice	N/A
o Delivery Challan	N/A
Attention:	Sub Engineer
Subject:	Low voltage Switchgear
Project:	Revamping of DHQ
Customer Ref:	DASKA Hospital
Page:	2/2

The Sub Divisional Officer,
(C&W) DHQ Hospital DASKA
Building Department
Daska-Pakistan

05	400A (PSMDB) with 400A TP MCCB 35KA, & outgoing circuit 150A TP MCCB 25KA, 100A TP MCCB 25KA 60A TP MCCB 25KA, 50A TP MCCB 25KA, 40A TP MCCB 25KA Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD.	01 Set	688,050.00	688,050.00
06	150A (PDB) with 150A TP MCCB 35KA, & outgoing circuit 32A TP MCB 10KA, 20A DP MCB 10KA, 20/16/10A SP MSCB 10KA, Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD.	01 Set	218,150.00	218,150.00
07	100A (PDB) with 100A TP MCCB 25KA, & outgoing circuit 32A TP MCB 10KA, 20A DP MCB 10KA, 20/16/10A SP MSCB 6KA, Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD.	01 Set	120,000.00	120,000.00
08	60A (LDB) with 60A TP MCCB 25KA, & outgoing circuit 16A DP MCB 6KA, 20/16/10/6A SP MSCB 6KA, Instrument Protection 12/14swg sheet fabricated, Indoor Type, IP-44, Floor Mounting, ems make 800A Copper Bus Bar, Assembling/Installation/ Commissioning & Testing inside of panel complete in all respect as per your Design/Drawing SLD.	01 Set	91,900.00	91,900.00

We believe will a with your good business relation self after the observing our specification & prices of Flexible joint. If you have any questions, please feel free to contact us me.

Thanking you and assuring you of our best services and co-operation at all times, we remain,

Perfectly Yours,

Commercial conditions:

Prices Basis:	By work
Term of Payment:	50% advance and 50% after completion.
Validity:	15 Days
Taxes:	Excluding of 17% GST
Delivery Time:	8-10 Week after the receipt technical & Financial.
Guarantee/Warranty:	1-Year

Perfectly Yours

Engr. Waqas Javeed
Manager Sales Engineer
0345-444-4300

Muhammad Fayyaz Ch.
Manager Marketing
0300-043-0832

PARAGON FOCUS ENGINEERING (PF-ENGINEERING)

Minerals Based Earthing System Installation

To,

SDO SB SUB DVISIONAL
DHQ DASKA

Quotation # 1001001690

Customer ID: P.S 00770

Date # 17.JULY 2021

Comments and special Instructions:-Assuring the constant, permanent and maintenance free resistivity level as per customer requirements and IEEE standards

MODEL	DESCRIPTION	UNIT PRICE	QUANTITY	AMOUNT
CP 1013	(PMCE)PERMANENT MAINTENANCE FREE CONSTANT EARTHING SYSTEM	95,000	01	95,000
	TWO SAPERATE EARTHING SYSTEM			
3599 D 6941-12	• SOIL TREATMENT MATERIAL AS PER SOIL MINERAL IDENTIFICATION AFTER SOIL TESTING (2-3 times) • NOTE. Material will be used as per soil nature not exact quaintly its used accordingly to required resistance value • Integrates of PMCE system electrolytes pozolanics items ,water retainable reagents etc (confidential) • NOTE. Both points will be in mesh system • Material will be used following terms • *Leaching Test (EN 12457, EN 12506)* • *Sulphur Determination (ISO- 4689-3)* • *Determination of Resistivity (ASTM G57-06)* • *Corrosion Test (ASTM G59-97*			
IEC 62561-7	• 100% Copper Copper 3M long 16mm Diameter Rod NOTE. Rod will be used as Per Resistance Value Its May Be More Than One			
BS 1433				
S 951	• Earth clamps			
BS 6346	• Bore Dia 6" TO 8 Inch Depth 10 ft as per IEEE STANDARD • MOBILIZATION, TRANSPORTATION • Copper Wire 25mm &Nut Baits Washers(OPTIONAL ITEM) • SYSTEM INSTALLATION AS PER IEEE&IEC STANDARD			

Warranty: LIFE TIME WARRANTY OF CONSTANT RESISTANCE VALUE LESS THEN 1 OHMS & FREE OF ANY MAINTENANCE & TEST REPORT AND CERTIFICATE

Mode of Payment: Fifty % Advance

TOTAL(Nine Five Thousand Only) 95,000

FLASH L ESE ACTIVE LR

JEFLASH
LIGHTNING PROTECTION SYSTEMS

FLASH L TECHNICAL SPECIFICATIONS

Manufacturer Company	Uskuna Muhendislik Co. Ltd.
Brand	Jeflash
Order Code	Flash L
Dimensions	620 mm length ϕ 22 mm rod 120 mm length ϕ195 mm ionization case
Weight	2700 g
Material	AISI 304L Stainless Steel
ΔT	76 µs (According to test results)
Protection Area	214 m (NFC 17 102 ΔT_{Max}=60 µs)

We reserve the right to make change in product design, dimensions and weight according to production process.

$R_{(m)}$	Flash L ΔT=60			
N_p	Level I	Level II	Level III	Level IV
h(m)\r(m)	20	30	45	60
2	31	35	39	43
4	63	69	78	85
5	79		97	107
6	79	87	97	107
8	79	87	98	108
10	79	88	99	109
20	80	89	102	113
30	80		104	116
40	80	90	105	118
60	80	90	105	120

EYELOGY Inc.

Attention: Sub Divisional Officer,
Buildings Sub Division Daska.
DHQ Hospital Daska.

Dated: July 17, 2021
Ref: LPS/RCP-001.

Subject: Proposal for the Supply & Installation of Complete Early Streamer Emission (ESE) Lightning Protection DHQ Hospital Daska.

Dear Sir,

Ref to the subject matter, we take pleasure in submitting herewith our proposal based on Scope. We are open to discuss further requirements or changes in the scope. We are eager for any additional discussion on technical or commercial aspects of the Project. Following is our recommended proposal.

S#	Description	Unit	Qty.	Unit Price (Rs.)	Amount (Rs.)
1	Supply of Early Streamer Emission (ESE)Air Terminal, in accordance with the Standard NFC 17-102:2011 can with stand current 100kA (10/350us) with testable jack , 10+ years of Manufacturer's Warranty Protection level 1 (Height 5M, Rolling Sphere Radius=>79m) Model: **Flash** L Make: **Turkey** (See attached **TDS**)	Nos.	1	450,000/-	450,000/-
2	Supply of 5M high Lighting Terminal Mast 50mm Dia. Galvanized Steel, Complete with all the supports, base, angles, brackets, wire guard nuts & bolts.	Nos.	1	50,000/-	50,000/-
3	Supply of Tin Copper (25x3) mm down conductor from Air Terminal to Earth Pit **This will be calculated as per actual Measurement at site**	Mtr.	1	2200/-	2000/-

3rd Floor Tariq Center Johar Town Lahore
Ph: +92(0)322-8092588

4	Supply of Lightning Strike Counter Make : Turkey	Nos.	1	55000/-	55000/-
5	Supply of Earth Enhance Powder/Gel (20Kg bag)	Nos.	2	15000	30,000/-
6	Supply and installation of Earthing Veractor Cone/ Spike Size 2" thick, 12" long as shown in drawings or ¾" dia & 10 ft long copper rod as earth electrode 100 ft or up to the water level, below ground level including cost of boring and lowering the rod (100ft / up to the water level) down, complete with clamp and **2x70mm2 stranded copper conductor** from rod to ground surface in 2" dia G.I.pipe with watering cap, Man-hole with cover as per detail shown in drawings. all earth work should be done according to the advice of electrical consultant.	Nos.	2	85,000	170,000/-
7	Supply of **Test Clamp** to connect the down conductor (surface pasted) duly clamped with brass alloyed clamp to the earth termination and disconnect the down conductor size: 2x(25mmx3mm) from the earth termination for regular checks in order to get the earth termination resistance value.	Nos.	2	10,000/-	20,000/-
8	Installation ,Testing & Commissioning charges	lot	1	150,000/-	150,000/-
Total Amount in Pakistani Rupees(Rs.)					**927,000/-**

3rd Floor Tang Center Johar Town Lahore

Ph: +92(0)322 8092588

EYELOGY Inc.

Note:

***The cost of Copper tape will be as per actual Measurement at site.**
The provision of scaffoldings and civil work for the installation of the air terminals and copper tape will be on clients end.

General Terms & Conditions

Payment Term:: 80% Advance with P.O & Remaining 20% @Delivery
Delivery: Ex – Stock
Make: Jeflash Turkey
Warranty: 1 Year warranty from the date of installation
Validity: 3 Weeks

Quoted Prices are exclusive of all taxes.
Assuring you our best services and cooperation all the times

Thanking you in anticipation.

Kind Regards,
On behalf of Eyelogy Inc.

3rd Floor Tariq Center Johar Town Lahore
Ph: +92(0)322-8092588

ENAC ILAC-MRA
ENSAYOS
237/LE554

SIMPLIFIED TEST CERTIFICATE

Nº. 190046-03

ITE

Product: Lighting protection (E-18501)

Trade Mark: USKUNA

Model: JEFLASH-L

Manufacturer: USKUNA MUHENDISLIK

Tested on request of: USKUNA MUHENDISLIK
Address: Karacaoglan Mah. Bornova Caddesi Ozum Is Merkezi No:9
BORNOVA (TURKEY)

Description: Lightning protection: Early streamer emission lightning conductor

Standards: NF C17-102:2011

Test certificate based on the test report: IE-ITE-190046-03

Test results

DESCRIPTION	RESULTS
C.3.1. General Tests	
C.3.1.1. Documentation, information and identification	Pass
C.3.1.2. Marking	Pass
C.3.2. Mechanical Tests	Pass
C.3.3. Environmental testing	
C.3.3.1. Salt mist test	Pass
C.3.3.2. Humid sulphurous atmosphere test	Pass
C.3.4. Withstand current test	Pass
C.3.5. Advance time test	72.2 µs

[illegible]

Authorized signatory:

Firmado digitalmente
por LORENA|JIMENEZ|
CHILLARON
Fecha: 2019.07.10
08:47:55 +02'00'

HIGH VOLTAGE AND MATERIALS DEPARTMENT MANAGER

INSTITUTO TECNOLÓGICO DE LA ENERGÍA (ITE)
Centro Tecnológico CT nº 74
Sede Central
Contabilidad, facturas, correspondencia

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

EXTERNAL WATER SUPPLY

S.No	Description of Item	Qty.		Rate	Unit	Amount
1-	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.					
	For 4" dia Pipe					
	1X1[(137+176)+(79+100)]2X2-1/2	1208	Cft			
	1(137+94+34+75+60)2-1/2X2-1/2	2500	"			
	Total=	3708	Cft	5,966.40	%0 Cft	22123
2-	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.					
i	4" i/d (100 mm) 4.5mm thick					
	(137+79)	216	Rft			
	Total=	216	Rft	1,083.30	P.Rft	233993
ii	3" i/d (75 mm) 4.05mm thick					
	1(200)	200	Rft			
	Total=	200	Rft	752.05	P.Rft	150410
iii	2" i/d (50 mm) 3.65mm thick					
	1(200)	200	Rft			
	Total=	200	Rft	458.10	P.Rft	91620
iv	1½" i/d (40 mm) 3.25mm thick					
	1(400)	400	Rft			
	Total=	400	Rft	328.50	P.Rft	131400
3-	Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel.					
	1x9231	9231	Cft			
	Total=	9231	Cft	1980	%0 Cft	18277
4-	P/F Gate Valve (Imported) i/c cost of tap, cotton, theading complete in all respect.					
i	4" i/d					
	1x8	8	Nos			
	Total=	8	Nos	6,000.00	Each	48000
ii	3" i/d					
	1x8	8	Nos			
	Total=	8	Nos	4,000.00	Each	32000
iii	2" i/d					
	1x10	10	Nos			
	Total=	10	Nos	3,000.00	Each	30000

S.No	Description of Item	Qty.		Rate	Unit	Amount
5-	Wrapping of bitumen tape 4" wide protect the soil chemical best quality i/c all labour charges & allied material as approved by the Engineer Incharge.					
i	4" i/d					
	1477	1477	Rft			
	Total=	1477	Rft	40.00	P.Rft	59080
ii	3" i/d					
	300	300	Rft			
	Total=	300	Rft	30.00	P.Rft	9000
iii	2" i/d					
	350	350	Rft			
	Total=	350	Rft	25.00	P.Rft	8750
iv	1½" i/d					
	400	400	Rft			
	Total=	400	Rft	18.00	P.Rft	7200
					G.Total=	841854
					Say Rs.	841854

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer
Buildings Division
Sialkot

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

EXTERNAL SEWERAGE

S.No	Description of Item	Qty.		Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-					
i	0 ft. to 7.0 ft. (0 to 2.10 m) depth					
	Back Side 1(150+240+119+50)3x3	5031	Cft			
	Front 1(105-1/2)3x3	950	"			
	Old Block 1x2(109+115)3x3	4032	"			
	Total=	**10013**	**Cft**	**6,925.65**	**%0 Cft**	**69347**
2-	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.					
i	225 mm (9:) i/d					
	(105-1/2+115+109+115+39+26)	510	Rft			
	Total=	**510**	**Rft**	**430.20**	**P.Rft**	**219187**
ii	310 mm (12") i/d					
	[(109+105)+150+240+119+50]	773	Rft			
	Total=	**773**	**Rft**	**549.25**	**P.Rft**	**424570**
iii	460 mm (18") i/d					
	1(320)	320	Rft			
	Total=	**320**	**Rft**	**854.25**	**P.Rft**	**273360**
	1x12893	12893	Cft			
	Total=	**12893**	**Cft**	**1980**	**%0 Cft**	**25528**
4-	Construction of Man Hole					
	1x30	30	Nos			
	Total=	**30**	**Nos**	**41485**	**Each**	**1244550**
5-	Construction of Septic Tank					
	1x4	4	Nos			
	Total=	**4**	**Nos**	**189068**	**Each**	**756272**
				G.Total=		**3012814**
				Say Rs.		**3012814**

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer
Buildings Division
Sialkot

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

GENERATORS PAD'S

Sr. No.	Description of Item	No.	L	B	H	Quantity	Unit	Rate	Amount
1	Excavation in foundation of buildings, bridges and other structures, including dag beling, dressing, refilling around structure with excavated earth, watering and ramming lead upto 100 ft and lift upto 5 ft (1.5 m)								
		1	30	20	1.00	600	Cft.		
					Total	600	%0Cft.	8395.20	5037
2	P/L cement concrete 1:6:12 brick or stone ballast 1-1/2" to 2" gauge in F&P.								
		1	30	20	0.75	450.00	Cft.		
					Total	450.00	%0Cft.	13192.80	59368
3	Pacca brickwork 1:6 cement sand mortar in F&P								
		2	30	0.75	1.00	163.00	Cft.		
		2	20	0.75	1.00	144.00	Cft.		
		1	30	1	0.50	124.00	Cft.		
		1	30	2	0.500	104.00	Cft.		
					Total	535.00	%Cft.	24462.70	130875
4	Reinforced C.C in raft slab, beam columns, lintel, girders and other structure 1:2:4, without shuttering, etc								
	Pad	1	30	20	1.00	600.00	Cft.		
					Total	600.00	P.Cft.	304.40	182640
5	Fabrication of Mild Steel reinforcement i/c cutting bending laying in position.								
		1.00	1050.00	6.75	0.454	3217.73	Kg.		
					Total	3217.73	%Kg.	20017.50	644108
6	P/F fiber glass canopy comprising of vertical post of M.S pipe 4" dia 14-SWG at 14' c/c in both directions 15' above floor level and 2' embedded in cement concrete 1:2:4 belows floor level provided with top frame of M.S pipe 2"x1" 16 SWG and M.S pipe 2"x1" 18-SWG laid in curvature with								
	Pad	1	30	20	1.00	600.00	Cft.		
					Total	600.00	P.Cft.	600.00	360000
								Grand Total	1382028
								Say Rs.	1382028

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
SIALKOT

Sub Divisional Officer
Buildings Sub Division
Daska

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE (TELEPHONE,INTERNET CABLE)

SR.No	DESCRIPTION OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
1	Single Port DATA Face Plate with CAT-6 RJ-45 I/Os and backbox	22	No.	(3M / i-Connect / Schneider)	1,463	32,175
2	Single Port TELEPHONE Face Plate with CAT-6 RJ-45 I/Os and backbox	22	No.	(3M / i-Connect / Schneider)	1,463	32,175
3	24-Ports Data Patch Panel (fully loaded) with RJ-45 CAT-6 I/Os.	1	No.	(3M / i-Connect / Schneider)	44,460	44,460
4	24-Ports Data Switch, complete with all respect	2	No.	(3M / i-Connect / Schneider)	65,520	131,040
5	UTP CAT-6 Data Cable with 1" dia (25mm) PVC conduit and all fixing material	10000	Rft	(3M / i-Connect / Schneider)	99	994,500
6	6U Double Door Data Cabinet with fan, lock and glass door and PDU 5 Ports.	1	No.	Local Made	16,965	16,965
7	30-Pair Telephone Junction Box with KRONE connection modules	2	Nos		9,945	19,890
8	Telephone PABX 4 TRUNK and 20 Extentions lines	1	Nos		99,450	99,450
					TOTAL	1,370,655
B	LABOUR [For installation]					
	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.		1	Job	40,000	40,000
C	SUNDRIES					
	Included in item (B) above					-
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	20,000	20,000
	Total					1,430,655
	20 Contractor profit & overhead 20%					286,131
	Total					1,716,786
			Say			1,716,786
	Per Sft Rate	=	Say	1716786.00 / 17188	100	P.Sft

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

Off #: 8, 4th Floor, TELE Tower, Link Road,
Model Town, Lahore-Pakistan.
Ph #: 0092 (42) 35443273
E-mail : info@itbridge.com.pk

To,
Sub Divisional Officer,
Buildings Sub Division DASKA.

Dated : July 19th, 2021.
Ref #: ITB/DATA/THQ-DSKA/01/21Y.
Project Ref : Revamping of THQ Hospital DASKA (OLD Block)

QUOTATION FOR TELEPHONE AND DATA SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
1	Supply and installation of Single Port DATA Face Plate with CAT-6 RJ-45 I/Os and backbox. (3M / i-Connect / Schneider)	22	Each	1,250.00	27,500.00
2	Supply and installation of Single Port TELEPHONE Face Plate with CAT 6 RJ-45 I/Os and backbox. (3M / i-Connect / Schneider)	22	Each	1,250.00	27,500.00
3	24 Ports Data Patch Panel (Fully loaded) with RJ-45 CAT-6 I/Os. (3M / i-Connect / Schneider)	1	Each	38,000.00	38,000.00
4	Supply and installation of 24-Ports Data Switch, complete with all respect. **(TP-LINK)**	2	Each	56,000.00	112,000.00
5	Supply and installation of UTP CAT-6 Data Cable with 1" dia (25mm) PVC conduit and all fixing material (3M / i-Connect / Schneider)	10000	RFT	85.00	850,000.00
6	Supply and installation of 6U Double Door Data Cabinet with fan, lock and glass door and PDU 5 Ports. (LOCAL made)	1	No.	14,500.00	14,500.00
7	Supply and installation of 30 Pair Telephone Junction Box with KRONE connection modules.	2	No.	8,500.00	17,000.00
8	Supply and installation of Telephone PABX 4 TRUNK and 20 Extentions lines.	1	JOB	85,000.00	85,000.00
9	Termination, Testing and Commissioning Charges of complete system	1	JOB	40,000.00	40,000.00
			TOTAL AMOUNT		1,211,500.00

NOTE: All above prices are excluded of all kind of tax .

If you need any further assistance, kindly contact at my cell number 0321-4631931.

Best regards,
For IT BRIDGE,

IT BRIDGE PROPRIETOR

PATRAS ANWAR
Cell #: 0321-4631931
E-mail : patras@itbridge.com.pk

HOCHIKI Fire Alarm System | BOUYER Public Address Sys | NOVUS CCTV Systems | Honeywell CCTV/Fire Alarm Sys | Kentec | 3M Data Systems

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE (FIRE ALARM SYSTEM)

SR.No	DESCRIPTION OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
1	Supply and installation of Addressable Photoelectric Smoke detectorwith Soft addressing, programmable parameters, low current consumption, automatic drift compensation, built-in short circuit isolator and approved from EN 54-5 Standard.	45	No.	Polan Alfa Europe / siemens Germnay	9,594	431,730
2	HEAT SENSOR with soft addressing,programmable temp class, low current consumption, built-in short circuit isolator and approved from EN 54-7 standard.	2	No.	Polan Alfa Europe / siemens Germnay	9,594	19,188
3	Addressable Resetable Manual Call Point with flush mounting and LED Indication on front side, wall mounting with assembling frame, soft addressing, low current consumption, built-in short circuit isolator and approved shall be from EN 54-11 (type B) Standard.	10	No.	Polan Alfa Europe / siemens Germnay	11,349	113,490
4	Addressable Electronic Loop Sounder with soft addressing, 3 sound patterns, 3 power options (24VDC, 9VDC and 220VAC), Sound level : 85dB, built-in short circuit isolator and will be approved from EN 54-3 and sounder is IP protection raied to IP21	10	No.	Polan Alfa Europe / siemens Germnay	14,672	146,720
5	2 Loop Addressable Fire Alarm Control panel, networksble, 3 supervised relay outputs, 2 monitoring inputs, 2 supervised signalling lines, redundancy "on board", 240x320pix graphic display. Ingress Protection: IP 30 rating and approved shall be from EN 54-2 international standard	1	No.	Polan Alfa Europe / siemens Germnay	263,250	263,250
6	dry chemical powder (DCP) fire extinguisher portable type,06 KG size stored pressure, standard version with pressure guage, discharge pip and operating level.	10	No.	China made	7,020	70,200
7	Supply of CO2 type portable 03KG fire extinguisher, stored pressure model locking pin to control accidental discharge, rechargeable seamless body cylinder of carbon steel standard version with discharge pipe and operating leve.	10	Nos.	China made	11,443	114,430
					TOTAL	1,159,008
B	LABOUR (For installation)					
	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.		1	Job	80,000	80,000
C	SUNDRIES					
	Included in item (B) above					-
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	20,000	20,000
	Total					1,259,008
	20 Contractor profit & overhead 20%					251,802
	Total					1,510,810
			Say			1,510,810
	Per Sft Rate	=	Say	1510810.00 / 17188	88	P.Sft

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

REVAMPING OF DHQ HOSPITAL DASKA

ANALYSIS OF RATE (CCTV)

SR.No	DESCRIPTION OF EQUIPMENT	Qty.	Unit	Make	Rate	Amount
1	2 MPX BULLETT IP CAMERA Supply and installation of 2 MPX Bullet IP Camera with • Image Sensor : 2 MPX CMOS sensor 1/2.9" SmartSens • Lens: fixed focal, f=2.8 mm/F2.0 • Frame Rate : 30 fps for 1920 x 1080 (Full HD) • MicroSD card support • D/N function - IR cut filter • Video content analysis • Min. Illumination from 0.01 lx (0 lx, IR on) • IR LED, range up to 30 m • Enclosure : Aluminium with IK10 impact rating • Enclosure's degree of protection : IP67	22	No.	(AXIS Europe / NOVUS Europe / Avigilon USA)	30,420	669,240
2	32-CHANNEL NVR WITH FACE RECOGNITION Supply and installation of 32-Channel NVR with face recognition feature • Video and audio channels: 32 • Supported protocols: ONVIF, RTSP • Recording speed up to 960 fps at 3840 x 2160 • Recorded stream size: 256 Mb/s in total from all cameras • Internal HDDs mount: 2 • Monitor outputs: 2 (HDMI (4K UltraHD), VGA) • Face recognition	1	No.	(AXIS Europe / NOVUS Europe / Avigilon USA)	140,400	140,400
3	Supply and installation of 6 TB Surviellance Hard Drive	1	No.		44,460	44,460
4	16-PORTS (PoE) DATA SWITCH Supply and installation of 16-Ports (PoE) Data Switch, complete with all respect	2	No.	(AXIS Europe / NOVUS Europe / Avigilon USA)	65,520	131,040
5	UTP CAT-6 Data Cable with 1" dia (25mm) PVC conduit and all fixing material	7000	Rft	(3M / i-Connect / Schneider)	99	693,000
6	6U Double Door Data Cabinet with fan, lock and glass door and PDU 5 Ports	1	No.	Local Made	16,965	16,965
7	22U Data Cabinet with fan, lock and glass door and PDU 5 Ports.	1	Nos.	Local Made	70,200	70,200
					TOTAL	1,765,305
B	LABOUR (For installation)					
	Termination, testing, software Programming with 1 year complete system performance warranty from the manufacturer / Authorized Dealer.		1	Job	80,000	80,000
C	SUNDRIES					
	Included in item (B) above					
D	CARRIAGE / TRANSPOT / HANDLING					
	From factory to site of work		1	Job	20,000	20,000
	Total					1,845,305
	20 Contractor profit & overhead 20%					369,061
	Total					**2,214,366**
			Say			2,214,366
	Per Sft Rate	=	Say	2214366.00 / 17188	129	P.Sft

Sub Divisional Officer,
Buildings Sub Division,
Daska

Executive Engineer,
Buildings Division
Sialkot

iT BRIDGE

Off #: 8, 4th Floor, TELE Tower, Link Road,
Model Town, Lahore-Pakistan
Ph #: 0092 (42) 35443273
E-mail : info@itbridge.com.pk

To,
Sub Divisional Officer,
Buildings Sub Division DASKA.

Dated : July 19th, 2021
Ref #: ITB/CCTV/THQ-DSKA/01/21Y
Project Ref : Revamping of THQ Hospital
DASKA (OLD Block)

QUOTATION FOR CCTV SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
1	**2 MPX BULLETT IP CAMERA**				
	Supply and installation of 2 MPX Bullet IP Camera with • Image Sensor : 2 MPX CMOS sensor 1/2.9" SmartSens • Lens: fixed focal, f=2.8 mm/F2.0 • Frame Rate : 30 fps for 1920 x 1080 (Full HD) • MicroSD card support • D/N function - IR cut filter • Video content analysis • Min. illumination from 0.01 lx (0 lx, IR on) • IR LED, range up to 30 m • Enclosure : Aluminium with IK10 impact rating • Enclosure's degree of protection : IP67 **(AXIS Europe / NOVUS Europe / Avigilon USA)**	22	Each	26,000.00	572,000.00
2	**32-CHANNEL NVR WITH FACE RECOGNITION**				
	Supply and installation of 32-Channel NVR with face recognition feature • Video and audio channels: 32 • Supported protocols: ONVIF, RTSP • Recording speed up to 960 fps at 3840 x 2160 • Recorded stream size: 256 Mb/s in total from all cameras • Internal HDDs mount: 2 • Monitor outputs: 2 (HDMI (4K UltraHD), VGA) • Face recognition **(AXIS Europe / NOVUS Europe / Avigilon USA)**	1	Each	120,000.00	120,000.00
3	Supply and installation of 6 TB Surveillance Hard Drive.	1	Each	38,000.00	38,000.00

iT BRIDGE PROPRIETOR

HOCHIKI Fire Alarm System | BOUYER Public Address Sys | NOVUS CCTV Systems | Honeywell CCTV/Fire Alarm Sys | Kentec | 3M Data Systems

IT BRIDGE

Off #: 8, 4th Floor, TELE Tower, Link Road,
Model Town, Lahore-Pakistan.
Ph #: 0092 (42) 35443273
E-mail : info@itbridge.com.pk

QUOTATION FOR CCTV SYSTEM

Sr. #	Item's Description	Qty	Unit	Unit Price	Total Amount
4	16-PORTS (PoE) DATA SWITCH				
	Supply and installation of 16-Ports (PoE) Data Switch, complete with all respect. (AXIS Europe / NOVUS Europe / Avigilon USA)	2	Each	56,000.00	112,000.00
5	UTP CAT-6 DATA CABLE				
	Supply and installation of UTP CAT-6 Data Cable with 1" dia (25mm) PVC conduit and all fixing material (3M / i-Connect / Schneider)	7000	RFT	85.00	595,000.00
6	6U DOUBLE DOOR DATA CABINET				
	Supply and installation of 6U Double Door Data Cabinet with fan, lock and glass door and PDU 5 Ports. (LOCAL made)	1	No	14,500.00	14,500.00
7	22 DOUBLE DOOR DATA CABINET				
	Supply and installation of 22U Data Cabinet with fan, lock and glass door and PDU 5 Ports. (LOCAL made)	1	No	14,500.00	14,500.00
8	Termination, Testing and Commissioning Charges of complete system	1	JOB	60,000.00	60,000.00
		TOTAL AMOUNT			1,526,000.00

NOTE: All above prices are excluded of all kind of tax.

If you need any further assistance, kindly contact at my cell number 0321-4631931.

Best regards,
For IT BRIDGE,

IT BRIDGE * PROPRIETOR *

PATRAS ANWAR
Cell #: 0321-4631931
E-mail : patras@itbridge.com.pk

HOCHIKI Fire Alarm System | BOUYER Public Address Sys | NOVUS CCTV Systems | Honeywell CCTV/Fire Alarm Sys | Kentec Fire Alarm Panels | 3M Data Systems

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

ABSTRACT OF COST

Tuff Paver / Concrete Paver

Sr. #	Description of Items	Qty	Unit	Rate	Amount
1	Tuff Paver	12412	P.sft	354.00	4393848
2	Concrete Paver	19400	Each	371.00	7197400
		Total=			11591248

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

Srl	Description	No			L		B	H/D	Qty		Unit
	back side of old block	1	x	1	x	151	x	15	=	2265	Sft
	Front of old block	1	x	1	x	143 1/2	x	10	=	1435	"
	old block to main block	1	x	1	x	71 1/2	x	10	=	715	"
	Right side of old block	1	x	1	x	50	x	10	=	500	"
	TB side for parking	1	x	1	x	133	x	20	=	2660	"
	right side of main block to edhi centre	1	x	1	x	119 1/4	x	20	=	2385	"
	Front of Masjid	1	x	1	x	58	x	10	=	580	"
	Right side of masjid	1	x	1	x	156	x	12	=	1872	"
								Total (A)	=	**12412**	**Sft**

DETAIL OF CONCRETE PAVER

	Gate-1 to main building	1	x	2	x	313	x	20	=	12520	Sft
	Gate-2 to main building	1	x	2	x	172	x	20	=	6880	"
								Total (B)	=	**19400**	**Sft**

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
DASKA

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ANALYSIS OF RATE FOR THE ITEM ROAD PAVEMENT (TUFF PAVER)

DETAIL OF COST = 10X10 = 100 SFT
UNIT OF RATE = P.Sft

sr.no	Description	Qty	UNIT	Rate	U	Amount
1	Excavation in foundation of buildings, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30m) and lift upto 5 ft (1.5 m) in ordinary soil.					
	2x10x1-1/2x1	30	Cft	8395.2	% 0 Cft	252
2	Cement concrete 1:6:18 using brick or stone ballast 1-1/2" to 2" gauge in foundation & plinth.					
	2x10x1-1/2X1/2	15	Cft	12180	% Cft	1827
	2x10x1-1/8x1/4	5.625	Cft			
	2x10x3/4x1-1/2	22.5	Cft			
		28.125	Cft	24462.7	% Cft	6880
3	Pacca brick work with cement sand mortar 1:6 F&P.					
	2x10x1-1/2x1/4	8	Cft			
	2x10x1-1/8x1-1/2	33.75	Cft			
		41.75	Cft	24462.7	% Cft	10213
4	Providing and laying pit run or bed run gravel sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work from dina quarry distance upto 138 Km. (from Dina quarry to daska).					
	1x10x10x1/2	50	Cft	8751.25	% Cft	4376
6	P/L P.C.C 1:2:4					
	1x10x10x1/2	50	Cft	25317.10	% Cft	12659
7	Cement Plaster 1:4					
	1x2x10x1-1/2	30	Sft	3117.8	% Sft	935.34
						37142

RATE PER Sft = 37142 / 100 = 371.41683

Say Rs:= 371

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Daska

Executive Engineer
Buildings Division
Sialkot

ANALYSIS OF RATE FOR THE ITEM ROAD PAVEMENT (TUFF PAVER)

DETAIL OF COST = 10X10 = 100 SFT
UNIT OF RATE = P.Sft

sr.no	Description	Qty	UNIT	Rate	U	Amount
1	Excavation in foundation of buildings, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30m) and lift upto 5 ft (1.5 m) in ordinary soil.					
	2x10x1-1/2x1	30	Cft	8395.2	% 0 Cft	252
2	Cement concrete 1:6:18 using brick or stone ballast 1-1/2" to 2" gauge in foundation & plinth.					
	2x10x1-1/2X1/2	18	Cft	12180	% Cft	1827
	2x10x1-1/8x1/4	5.625	Cft			
	2x10x3/4x1-1/2	22.5	Cft			
		28.125	Cft	24462.7	% Cft	6880
3	Pacca brick work with cement sand mortar 1:6 F&P.					
	2x10x1-1/2x1/4	8	Cft			
	2x10x1-1/8x1-1/2	33.75	Cft			
		41.75	Cft	24462.7	% Cft	10213
4	Providing and laying pit run or bed run gravel sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work from dina quarry distance upto 138 Km. (fron Dina quarry to daska).					
	1x10x10x1/2	50	Cft	8751.25	% Cft	4376
6	P/L PAVERS 60-mm THICK WITH 7000 PSI, CRUSHING STRENGTH MANUFACTURED BY TUFF TILE / CONCRETE CONCEPT PVT. LTD TEXLA, OVER 2" TO 3" SAND CUSHION I/C GROUTING WITH SAND IN JOINTS I/C FINISHING TO REQUIRED SLOP COMPLETE IN ALL RESPECT & AS APPROVED BY THE ENGINEER INCHARGE 50% (GRAY / COLOUR)					
	1x10x10	100	Sft	112.9	P.Sft	11290
7	Cement Plaster 1:4					
	1x2x10x1-1/2	30	Sft	3117.8	% Sft	935.34
						35773

RATE PER Sft = $\frac{35773}{100}$ = 357.73133

Say Rs:= 354

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Daska

Executive Engineer
Buildings Division
Sialkot

ROUGH COST ESTIMATE FOR THE WORK

"BALANCE WORK OF REVAMPING OF DHQ HOSPITAL AT DASKA DISTRICT SIALKOT"(ADP NO: 1013 FOR THE YEAR 2021-22)

MAIN BLOCK

Sr. No.	Description of Item	No.	L	B	H	Quantity	Unit	Rate	Amount
1	P/A 2 coat weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:								
	front	1	266	30	-	7980	Sft		
	left side	1	160	30	-	4800	Sft		
	Back side	1	138	30	-	4140	Sft		
		1	92	17	-	1564	Sft		
	Right side	1	92	17	-	1564	Sft		
		1	58.5	30	-	1755	Sft		
	main entrance	1	67	4.5	-	302	Sft		
	side entrance	2	76	4.5	-	684	Sft		
	Pillars	12	3.75	10	-	450	Sft		
	lower roof	1	115.5	15.5	-	1790	Sft		
	Mumty	1	82	12	-	984	Sft		
	Mumty	1	87	12	-	1044	Sft		
	open grassy area	1	142	30	-	4260	Sft		
		1	366	30	-	10980	Sft		
		1	87	30	-	2610	Sft		
		1	64	17	-	1088	Sft		
					Total	**45995**	**Sft**		
	D/D								
		6	7.5	10	-	450	Sft		
		20	9	10	-	1800	Sft		
		1	8	12	-	96	Sft		
		14	6	8	-	672	Sft		
		23	6	4	-	552	Sft		
		3	8	10	-	240	Sft		
		13	6	6	-	468	Sft		
					Total	**4278**	**Cft.**		
				Net Total		**41717**	**%Sft.**	**3198.00**	**1334102**

T.B CLINIC

Sr. No.	Description of Item	No.	L	B	H	Quantity	Unit	Rate	Amount
1	P/A 2 coat weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:								
	front	1	39.5	16.5	-	652	Sft		
	left side	1	36	16.5	-	594	Sft		
	Back side	1	38.5	16.5	-	635	Sft		
	Right side	1	27.5	16.5	-	454	Sft		
					Total	**2335**	**Sft**		
	D/D								
		1	3	6	-	18	Sft		
		5	4	5	-	100	Sft		
		1	4	8.5	-	34	Sft		
		1	4	4	-	16	Sft		
					Total	**168**	**Cft.**		
				Net Total		**2167**	**%Sft.**	**3198.00**	**69293**

FAMILY PLANING

1	P/A 2 coat weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:								
	front	1	59	15	-	885	Sft		
	left side	1	60.5	15	-	908	Sft		
	Back side	1	76	15	-	1140	Sft		
	Right side	1	60.5	15	-	908	Sft		
					Total	**3840**	**Sft**		
	D/D								
		1	11	8.5	-	94	Sft		
		2	3	4	-	24	Sft		
					Total	**118**	**Cft.**		
				Net Total		**3723**	**%Sft.**	**3198.00**	**119046**

MORTURY

1	P/A 2 coat weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:								
	front	1	43	14	-	602	Sft		
	left side	1	23.25	14	-	326	Sft		
	Back side	1	34	14	-	476	Sft		
	Right side	1	14	14	-	196	Sft		
					Total	**1600**	**Sft**		
	D/D								
		1	4	5	-	20	Sft		
		1	3.5	8	-	28	Sft		
					Total	**48**	**Cft.**		
				Net Total		**1552**	**%Sft.**	**3198.00**	**49617**

OLD BLOCK

1	P/A 2 coat weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:								
	front	1	161	18	-	2898	Sft		
	left side	1	59	18	-	1062	Sft		
	Back side	1	204	18	-	3672	Sft		
	Right side	1	66	18	-	1188	Sft		
					Total	**8820**	**Sft**		
	D/D								
		12	4	6	-	288	Sft		
		12	4	4	-	192	Sft		
					Total	**480**	**Cft.**		
				Net Total		**8340**	**%Sft.**	**3198.00**	**266713**
								Grand Total	**1838770**
								Say Rs.	**1838770**

Sub Engineer

EXECUTIVE ENGINEER
BUILDINGS DIVISION
SIALKOT

Sub Divisional Officer
Buildings Sub Division
Daska

Analysis Of Rate For

Providing and laying prepolished porcelain tile (Master OR Equivalent) Dry / Wet / venied application DWV series Polished [Light colour] class SB, **for flooring**, tile size 24"x24", laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with mixed white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respects and as approved by the Engineer incharge.

S.No	Detail	Unit Rate P.Sft				
		Quantity		Rate per unit		Amount
	For Analysis (100.00 Sft)					
	MATERIAL					
1	Dry/wet/venied application DWV series polished (light colour) class SB tiles Size 24"x24" i/c 5% wastage. (CA-4(7)Page.53) 1595/10.76=148.23	105.00	Sft	148.23	P.Sft	15564.15
2	white cement (06.009)	0.10	Bag	1100.00	P.Bag	110.00
3	Grey cement (06.008)	2.16	Bag	600.00	P.Bag	1296.00
4	Pigment (10.015)	0.45	Kg	82.00	P.Kg	36.90
5	Sand (06.007)	5.20	Cft	1450.00	%Cft	75.40
6	Tile bond (Master)	3.00	Bag	400.00	P.Bag	1200.00
	Total					18282.45
	Contractor profit & over head's 20%					3656.49
	Total					**21938.94**
	LABOUR					
1	Mason (LB-040)	2.00	No	1000.00	P.Day	2000.00
2	Un-skilled Coolies (LB-015)	4.00	Nos	750.00	P.Day	3000.00
3	Bhashti (LB-017)	0.50	No	800.00	P.Day	400.00
	Total					5400.00
	Sundries 10%					540.00
	Total					5940.00
	Contractor profit & over head's 20%					1188.00
	Total					**7128.00**
	Item Rate					
	Labour Rate Per Sft					71.28
	Composite Rate per % P.Sft	21938.94	+	7128.00		29066.94
	Composite rate per Sft				=	**290.67**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi-Annual -2021(1st July ,2021 To 31th December,2021.) District Sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

Analysis Of Rate For

Providing and laying prepolished porcelain tile (Master OR Equivalent) Dry / Wet / venired application DWV series Polished (Light colour) class SB, **for dado OR skirting**, tile size 24"x12", laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respects as approved by the Engineer in-charge.

S.No	Detail		Unit Rate P.Sft				
			Quantity		Rate per unit		Amount
	For Analysis (100.00 Sft)						
	MATERIAL						
1	Dry/wet/venied application DWV series polished (light colour) class SB tiles Size 24"x24" i/c 5% wastage. (CA-4(7)Page.53) 1595/10.76=148.23		105.00	Sft	148.23	P.Sft	15564.15
2	white cement	(06.009)	0.10	Bag	1100.00	P.Bag	110.00
3	Grey cement	(06.008)	2.16	Bag	600.00	P.Bag	1296.00
4	Pigment	(10.015)	0.30	Kg	82.00	P.Kg	24.60
5	Sand	(06.007)	5.00	Cft	1450.00	%Cft	72.50
6	Tile bond (Master)		3.00	Bag	400.00	P.Bag	1200.00
		Total					18267.25
	Contractor profit & over head's 20%						3653.45
		Total					**21920.70**
	LABOUR						
1	Mason	(LB-040)	2.50	No	1000.00	P.Day	2500.00
2	Un-skilled Coolies	(LB-015)	5.00	Nos	750.00	P.Day	3750.00
3	Bhashti	(LB-017)	0.50	No	800.00	P.Day	400.00
		Total					6650.00
	Sundries 10%						665.00
		Total					7315.00
	Contractor profit & over head's 20%						1463.00
		Total					**8778.00**
	Item Rate						
	Labour Rate Per Sft						87.78
	Composite Rate per % P.Sft		21920.70	+	8778.00		30698.70
	Composite Rate per Sft					=	**306.99**
		Say Rs.				=	**307.00**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi-Annual -2021(1st July ,2021 To 31th December,2021.) District sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

Analysis Of Rate For

Providing and laying chequred tile (nons-slippery for ramp)(Master OR Equivalent) 12"x12"x10-mm, **for flooring**, laid in white cement over a bed of 3/4" thick cement sand mortar ratio 1:2, filling joints with white cement and matching pigment, including cost of labour, materials, carriage, cutting tiles, etc., complete in all respect as approved by the Engineerincharge.

S.No	Detail	Unit Rate P.Sft				
		Quantity		Rate per unit		Amount
	For Analysis (100.00 Sft)					
	MATERIAL					
1	Chequred tile Size 12"x12"x10-mm i/c 5% wastage. (CB-4(1)) 800/10.76=74.35 (P=55/98)	105.00	Sft	74.35	P.Sft	7806.75
2	white cement (06.009)	0.10	Bag	1100.00	P.Bag	110.00
3	Grey cement (06.008)	2.16	Bag	600.00	P.Bag	1296.00
4	Pigment (10.015)	0.45	Kg	82.00	P.Kg	36.90
5	Sand (06.007)	5.20	Cft	1450.00	%Cft	75.40
6	Tile bond (Master)	3.00	Bag	400.00	P.Bag	1200.00
	Total					10525.05
	Contractor profit & over head's 20%					2105.01
	Total					**12630.06**
	LABOUR					
1	Mason (LB-040)	2.00	No	1000.00	P.Day	2000.00
2	Un-skilled Coolies (LB-015)	4.00	Nos	750.00	P.Day	3000.00
3	Bhashti (LB-017)	0.50	No	850.00	P.Day	425.00
	Total					5425.00
	Sundries 10%					542.50
	Total					5967.50
	Contractor profit & over head's 20%					1193.50
	Total					**7161.00**
	Item Rate					
	Labour Rate Per Sft					71.61
	Composite Rate per % P.Sft	12630.06	+	7161.00		19791.06
	Composite rate per Sft					**197.91**
	say Rs.					**198.00**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi-Annual -2021(1st July ,2021 To 31th December,2021.) District Sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

Analysis Of Rate For

Providing & fixing stainless steel Non Magnetic hand railing 4.75" height consisting of 2" dia 18 SWG pipe top as hand rail welded with stainless steel pipe 2" dia 2-3/4" high as support welded M.S Tikki 3" dia 1/4" thick at bottom fixed on walls with holding down rawel bolts 3"X3/8" M.S Tikki covered with Architectural Multi offset shape stainless steel cap 3" dia at bottom and reduced to 1-1/2" dia at top 2" height, i/c steel polishing fixed at site, complete in all respects and as approved by the Engineer Incharge (All Stainless Steel Member, Shell Be Of Non Magnetic. Code NO.304)

S.No	Detail	Unit Rate (British System) for Per Rft Take size =12.00								
		Qty						Rate Per Unit		Amount
A	MATERIAL									
1	Non magnatic stainless steel pipe 2"dia 18 SWG									
	hand rail	1	x	11.00	=	11.00	Rft			
	Sports in midle on wall	3	x	0.23	=	0.69	Rft			
				Total	=	11.69	Rft			
		Add: 5% wastage			=	0.58	Rft			
				Total	=	12.27	Rft	263.34	P.Rft	3231.18
2	Stainless steel bend 2" dia 6" long									
		1	x	2.00	=	2.00	No			
				Total	=	2.00	Nos	346.50	P.Rft	693.00
3	M.S (Tikki) round plate at bottom for support on 3"dia 1/4" thick with holes 3 Nos.	1	x	5.00	=	5.00	Each			
				Total	=	5.00	Each	124.75	Each	623.75
4	Architectural multi offset shape Stainless steel cap 3" dia reduced to 1-1/2" dia at top and 2" high cover the M.S Tikki.	1	x	5.00	=	5.00	Each			
				Total	=	5.00	Each	69.30	Each	346.50
5	Welding rod	1	x	18.00	=	18.00	Each			
				Total	=	18.00	Each	4.00	Each	72.00
6	Holding down rawal plug 3"x3/8"	5	x	3.00	=	15.00	Each			
				Total	=	15.00	Each	13.20	Each	198.00
									Total	5164.43
	Contractor profit & overheads 20 %									1032.89
								(A)	Total	6197.32
B	LABOUR									
	Labour charges for cutting fabrication & bending, essembling at site & carriage, welding, drilling & polishing									
1	Black smith (LB-028)					0.58	No	1000	P Day	580.00
2	Helper (LB-061)					0.58	No	750	P Day	435.00
3	Welder (LB-052)					0.58	No	1000	P Day	580.00
									Total	1595.00
	Sundries 10 %									159.50
									Total	1754.50
	Contractor profit & overheads 20 %									350.90
								(B)	Total	2105.40
	Labour Rate Per Rft									175.45
	Composite Rate for 12 Rft			6197.32	+	2105.40				8302.72
	Composite Rate Per Rft									691.89
								Say		692.00

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi-Annual -2021(1st July ,2021 To 31th December,2021.) District Sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

Analysis Of Rate For

P/L **FACE WORK BY USING GUTKA 9" X 2-1/4"X2-1/4"** OF APPROVED QUALITY IN CEMENT SURKHI MORTAR 1:3 I/C BACK FILLING WITH 1:3 CEMENT SAND MORTAR MAKING TRADEZOIDAL GROOVE/ SET BACK OF 1/4" DEPTH DURING FRESH MASONRY WORK LAID WITH G.I. WIRE 8-SWG, 8-SHAPPED WALL TIES, ONE SIDE EMBEDED IN THE MASONRY WORK AND OTHER SIDE IN GUTKA AT 12" CENTER TO CENTER VERTICALLY AND 36" CENTER TO CENTER HORIZONTALLY , RAKING OUT JOINTS, CURING, SCAFFOLDING AND ITS REMOVAL, COMPLETE (CONTRACTOR SHALL PREPARE SAMPLES AT SITE) AS APPROVED BY THE ENGINEER INCHARGE.

Detail	Unit Rate P.Sft				
	Quantity		Rate per unit (Rs)		Amount
For Analysis (100.00 Sft)					
MATERIAL					
i). Special Gutka 9"x2-1/4"x2-1/4"					
No of course = 48 rows	655		11800	%0 Nos	7729
Mortar for Jointing of masonry					
Horizontall=48x10'x0.1875'x1/48=1.90 Cft					
Vertically=12x10'x0.1875'x1/48=0.47 Cft					
Total=2.37 Cft					
2.37x1.20=2.84 Cft +5% wastage=3.00 Cft					
Ratio=1:3					
Cement=3x1/3x4/5=0.564 Bag	0.564	Bag	540	P.Bag	304.56
Pozzo=3.00x3/4=2.25 Cft	2.25	Cft	113	P.Cft	254.25
Mortar for Filling Gaps					
1x10'x10'x1/24=4.17 Cft					
4.17x1.20=5.00 Cft					
Ratio=1:3					
Cement=5x1/4x4/5=1.00 Bag	1	Bag	540	P.Bag	540
Sand=5x3/4=3.75 Cft	3.75	Cft	1450	%Cft	54.375
G.I. Wire 8-SWG 8-Shapped wall ties	50	Nos.	21	Each	1050
Total					9932.185
Add 20% Contracto's profit & overhead charges					1986.437
Total					**11918.622**
Labour					
	100	Sft	30	P.Sft	3000
Scaffolding Charges for 100sft	100	Sft	7	P.Sft	700
Total					**3700**
Add 10% sundries					300
Total					4000
Add 20% Contracto's profit & overhead charges					800
Total					**4800**
Item Rate					
					16718.62
			167.19		
Composite Rate P.Sft (For Lahore)			**Say Rs.**		**167**
Add Rs.1 for additional carriage for other districts.					**1.00**
				Net Rate	**168.19**
				Say	**168**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 1st Bi-Annual -2021(1st Jan, 2021 To 30th June,2021.) District Sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

Analysis Of Rate For

Providing and fixing **Mild steel Grill** consisting of 3/8"x3/8" M.S square bar at 4" center to center horizontally and vertically with M.S Flat 3/4"x1/8" 2 Nos Horizontally in center and outer Frame of M.S Flat 3/4"x1/8" all around 6 Nos holdfast 9" long of M.S angle iron 3/4"x3/4"x1/8",Painting 3-coats i/c cost of labour, material, carriagr, welding charges, etc complete in all respect and as approved by the Engineer incharge.

S.No	Detail								unit Rate Per Sft		
								Qty	Rate Per unit		Amount
	For Analysis (6'x6'=36 Sft)										
	MATERIAL										
1	M.S Flat 3/4"x3/16" For Frame.(12.119)										
	Horizontally		1	x	4	x	6.00	=	24.00	Rft	
	Vertically		1	x	2	x	6.00	=	12.00	Rft	
	Vertically in Central sport.		1	x	2	x	0.33	=	0.666	Rft	
	Total							=	36.666	Rft	
	Wastage 5%							=	1.833	Rft	
	Total							=	38.499	Rft	
		38.50	Rft	@	0.319	lb/Rft	x	0.4536	=	5.57	Kg
									@	140.07 P.Kg	780.19
2	M.S square Bar 3/8"x3/8"										
	Vertically		2	x	16	x	2.83	=	90.66	Rft	
	Horizontally		2	x	7	x	6.00	=	84.00	Rft	
	Total							=	174.66	Rft	
	Wastage 5%							=	8.73	Rft	
	Total							=	183.39	Rft	
		183.39	Rft	@	0.478	lb/Rft	x	0.45359	=	39.76	Kg
									@	125.07 P.Kg	4972.78
3	M.S Angle iron 3/4"x3/4"x1/8"										
	Holdfast.		1	x	6	x	0.75	=	4.50	Rft	
		4.50	Rft	@	0.584	lb/Rft	x	0.45359	=	1.19	Kg
									@	140.07 P.Kg	166.68
4	Welding Electrod (06.024)								=	1.36	Packet
									@	700.00 P.Pkt	952.00
5	Preparing surface and painting guard bars, gate of iron bar, grating, railing, 3-coats on new surface.(MRS ch 13,item:5d)										
			1	x	6.00	x	6.00		=	36.00	Sft
									@	1344.40	% Sft 483.98
	Total										7355.63
	Contractor's Profit & Ove 20 Percent -				On Rs	6871.65					1374.33
	Total										**8729.96**
	LABOUR										
	Blacksmith (LB-028)						1.25	No	@	1000.00	P.day 1250.00
	Helper (LB-061)						1.25	No	@	750.00	P.day 937.50
	Welder (LB-052)						1.25	No	@	1000.00	P.day 1250.00
	Helper (LB-061)						1.25	No	@	750.00	P.day 937.50
	Mason (Lb-040)						1.25	No	@	1000.00	P.day 1250.00
	Un-skilled Cooly (LB-015)						1.2	No	@	750.00	P.day 900.00
	Total										6525.00
	Sundries 10 Percent										653.00

ANALYSIS OF RATE FOR

Providing and fixing Gypsum board false ceiling Vinyl laminated decorative approved design and colour, have a surface light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, (made DFB Gypsum or approved equal) fixed on imported approved colour profile double pressed Galvanized iron sheet 26 SWG made Tee section having size 1"x 1-1/2" longitudinal rows 2' c/c and divider size 1"x1" at 2' c/c and supported with walls angle 3/4"x3/4", frame huged, G.I wire No 14 hanger fixed at 2' center to center i/c cost of hooks, clamps, carriage and labour charges, etc., complete in all respects and as per satisfaction of the Engineer Incharge.

S.No	detail	unit Rate per sft				Amount
		Qty		Rate Per Unit		
	Rate Analysis for 100 Sft					
	MATERIAL					
1	Gypsum board Vinyl laminated light reflection value more than 85% with polished aluminum foil backing tiles size 2'x2' and 7mm thickness (have a industrial standard of BS 1230 and ASTM C 36, Non-Sagging, Fire protection, (made DFB Gypsum or approved equal). i/c wastage5%	105.00	Rft	34.86	P.Sft	3660.30
2	Imported Tee 1"x1.50" i/c wastage 10%	44.00	Rft	17.79	P.Rft	782.76
3	Imported Tee 1"x1" i/c wastage 10%	44.00	Rft	16.50	P.Rft	726.00
4	Imported Angle 3/4"x3/4" i/c wastage 10%	44.00	Rft	15.25	P.Rft	671.00
4	G.I wire, screws, hooks, nails, rawal plug,etc.	100.00	Sft	6.25	P.Sft	625.00
	Total					6465.06
	Contractor's Profit & Ove 20 Percent -					1293.01
	Total					7758.07
	LABOUR					
1	Black smith (LB-028)	1.00	Nos	1000.00	P.day	1000.00
2	Helper (LB-061)	1.00	Nos	750.00	P.day	750.00
	Total -					1750.00
	Sundries 10 Percent -					175.00
	Total -					1925.00
	Contractor's Profit & Ove 20 Percent -					385.00
	Total Rate for 100 Sft					2310.00
	ITEM RATES					
	Labour rate per Sft					23.10
	Composite rate per Sft	7758.07	+	2310.00		10068.07
	Say rate per Sft					**100.68**

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi-Annual -2021(1st July ,2021 To 31th December,2021.) District Sialkot.

Sub Divisional Officer,
Buildings Sub Division
Daska

Executive Engineer,
Buildings Division
Sialkot

S/E

Analysis of rates

Analysis of rates for Providing and Fixing of Sign Board (16'x2') (For Main Entrance) size of 16 SWG sheet on both sides and 2 Nos. G.I pipe pole 3" dia upto 7' long i/c (Base & writing) with 3 M (USA) High Intensity Prismatic (HIP) reflective sheet complete approved and directed by the Engineer Incharge. (Unit = 01 job)

S.#	Detail of Work	No.	Measurements			Qty	Unit	Rate	Amount
			L.	B.	H.				
1	P/f of G.I pipe 3" dia [High Quality]								
		4	7			28	Rft		
					Total	**28**	**P.Rft**	815.05	22821
2	Cost of G.I Sheet 16 SWG								
		2	16	2		64	Sft		
		2	16	0.75		24	Sft		
		2	2	0.75		3	Sft		
						91	**Sft**		
	Add 5% wastage					5	Sft		
					Total	**96**	Sft		
	Convert into kg			96	**1.2**	**115**	Kg.		
					Total	**115**	Kg.	135	15479
3	M.S. Box section of 16 SWG 1½" x 2" hand rail								
		10	2			20	Rft		
		4	16			64	Rft		
		6	0.75			5	Rft		
					Total	**89**	**P.Rft**	36	3186
3	P/F of 3 M (USA) High Intensity Prismatic (HIP) reflective sheet complete as approved and directed by the Engineer Incharge.								
		2	16	2		64	Sft		
		2	16	0.75		24	Sft		
		2	2	0.75		3	Sft		
						91	**Sft**		
	Add 5% wastage					5	Sft		
					Total	**96**	P.Sft	700	66885
4	Welding charges i.c hire charges of welding plant and hire charges of Generator i.c welding rod etc. L.S								3000
7	Carriage charges L.S								1000
								Total	**112372**
	Add 20 % Contractor profit except item No.1 on Rs.	89550							17910
								Total:	**130282**
								Say Rs.	**130300**

Sub Divisional Officer
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Buildings Division
Sialkot

Analysis of rates

Analysis of rates for Providing/Fixing Sign Board (6'x4') made of 16 SWG sheet single side with 2 Nos. G.I pipe pole 2-1/2" dia upto 12' long i/c Printing (Base & writing) with 3 M (USA) High Intensity Primsatic (HIP) reflective sheet, complete in all respect approved and directed by the Engineer Incharge. (Unit = 01 job)

S.#	Detail of Work	No.	Measurements			Qty	Unit	Rate	Amount
			L.	B.	H.				
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around 17.1 to 17.5 structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in hard soil.								
		2	1	1	2	4	Cft		
					Total	**4**	%0Cft	7492.3	30
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4								
		2	1	1	2.5	5	Cft		
					Total	**5**	%Cft	22679.2	1134
3	P/f of G.I pipe 2-1/2" dia (High Quality)								
		2	12			24	Rft		
					Total	**24**	P.Rft	615.95	14783
4	Cost of G.I Sheet 16 SWG								
		1	6	4		24	Sft		
	Add 5% wastage					1.20	Sft		
					Total	**25.20**	Sft		
	Convert into kg			25.20	**1.2**	**30.24**	Kg.		
					Total	**30.24**	Kg.	135	4082
5	P/F of 3 M (USA) High Intensity Primsatic (HIP) reflective sheet complete as approved and directed by the Engineer Incharge.								
		1	6	4		24	Sft		
	Add 5% wastage					1	Sft		
					Total	**25**	P.Sft	700	17640
6	Welding charges i.c hire charges of welding plant and hire charges of Generator i.c welding rod etc. L.S								2000
7	Carriage charges L.S								1000
								Total	**40669**
	Add 20 % Contractor profit except itemNo.1 - 3. on Rs.		24722						4944
								Total:	**45614**
								Say Rs.	**45600**

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Sialkot

Analysis of rates

Analysis of rates for Providing and Fixing of Sign Board (3'x5') size of 16 SWG sheet on both sides and 2 Nos. G.I pipe pole 6" dia upto 20' long i/c (Base & writing) with 3 M (USA) High Intensity Primsatic (HIP) reflective sheet complete approved and directed by the Engineer Incharge. (Unit = 01 job)

S.#	Detail of Work	No.	Measurements			Qty	Unit	Rate	Amount
			L.	B.	H.				
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around 17.1 to 17.5 structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in hard soil.								
		1	2	2	4	16	Cft		
					Total	**16**	%0Cft	7492.3	120
2	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizental shuttering) complete in all respects Type C (nominal mix 1: 2: 4)								
		1	2	2	5	20	Cft		
					Total	**20**	P.Cft	267.35	5347
3	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel einforcement (also includes removal of rust from bars) Deformed bars (Grade-60)								
	1" dia	8	6.5	2.667	0.4536	63	Kg		
					Total	**63**	%Kg	15917.6	10013
4	M.S. Sheet 1" thick (25mm)								
		2	1	1		2	Sft		
						2	**Sft**		
	Add 5% wastage					0.10	Sft		
					Total	**2**	Sft		
	Convert into kg			2	**1.2**	**3**	Kg.		
					Total	**3**	P.Kg.	118.50	299
5	P/F of M.S pipe 10" dia								
		1	25			25	Rft		
					Total	**25**	P.Rft	2350.75	58769
6	Cost of G.I Sheet 16 SWG								
		2	3	5		30	Sft		
						30	**Sft**		
	Add 5% wastage					2	Sft		
					Total	**32**	Sft		
	Convert into kg			32	**1.2**	**38**	Kg.		
					Total	**38**	Kg.	135	5103
7	M.S. Box section of 16 SWG 1½" x 2" hand rail								
		6	6			36	Rft		
		8	3			24	Rft		
					Total	**60**	P.Rft	36	2160
8	P/F of 3 M (USA) High Intensity Primsatic (HIP) reflective sheet complete as approved and directed by the Engineer Incharge.								
		2	3	5		30	Sft		
		2	3	0.75		5	Sft		
		2	5	0.75		8	Sft		

S.#	Detail of Work	No.	Measurements			Qty	Unit	Rate	Amount
			L.	B.	H.				
						42	Sft		
	Add 5% wastage					2	Sft		
					Total	44	P.Sft	700	30870
9	Welding charges i.c hire charges of welding plant and hire charges of Generator i.c welding rod etc. L.S								3000
7	Carriage charges L.S								1000
								Total	116681
	Add 20 % Contractor profit except item No.1,2,3. on Rs.		42432						8486
								Total:	125167
								Say Rs.	125200

Sub Divisional Officer
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Sialkot

ANALYSIS OF RATE

S/E of street light pole 22'-9" long made of G.I pipe 4" dia 3" dia 5' long 2-1/2" dia 5' long 1-1/4" dia L-shape duly moulded reducing section & MS base plate 1'x1'1/4" with nut bolt excvation, base concrete 1:2:4 i/c M.S sheet box 7"x4" size with 6-10 amp circuit breaker single pole and single core PVC cable 7/0.029" in side pipe complete in all respect & as approved by the Engineer Incharge.

Sr. No	Detail	Qty	Unit	Rate	Amount
A	**MATERIAL**				
1	G.I Pipe 4" dia (Medium quality)	10			
	Add: 5% wastage	0.5			
	Total	**10.5**	P.Rft	902.4	9475.20
2	G.I Pipe 3" dia (Medium quality)	5			
	Add: 5% wastage	0.25			
	Total	**5.25**	P.Rft	628.9	3301.73
3	G.I Pipe 2.5" dia (Medium quality)	5			
	Add: 5% wastage	0.25			
	Total	**5.25**	P.Rft	488.35	2563.84
4	G.I Pipe 1.25" dia (Medium quality)	2.75			
	Add: 5% wastage	0.14			
	Total	**2.89**	P.Rft	242.2	699.35
5	Base plate 1"x1"x1/4"	2	Each	2500	5000.00
6	Nuts & Bolts 1" dia 2' long	4	Each	400	1600.00
7	Excavation in foundation etc. 1x2x2x3.5	14	% 0Cft	7,492.30	104.89
8	Cement concrete 1:2:4 plain 1x2x2x3.5	16	% Cft	27158.18	4345.31
9	Sheet box, 6-10 amp: (SP) circuit breaker	1	Each	1200	1200.00
10	Painting	1	P.Job	600	600.00
11	Single Core PVC Cable 7/0.029	50	P.Rft	16.80	840.00
12	Pole mounted street light, holders, for fitting 125/250 watts mercury vapour philips design	1	Each	3434.90	3434.90
13	Supply and fitting of mercury vapour lamp, complete with choke set. 250 watt lamp	1	Each	2080.90	2080.90
				Total A	**35246.12**
B	**Labour**				
1	Charges for hot dip / manufacturing	1	P.Job	2000	2000.00
2	Mason	0.5	P.Day	848	424.00
3	Helper	0.5	P.Day	673	336.50
				Total	**2760.50**
	Add: 10% Sundries				276
				Total B	**3037**
				Total A+B	**38283**
	Add 20% contractor profit and OH charges excepth item No 1 to 4, & 7,8,11,12,& 13 on Rs. 11476/-				2287
				G.Total	**40570**
				Say Rs. Each	**40000**

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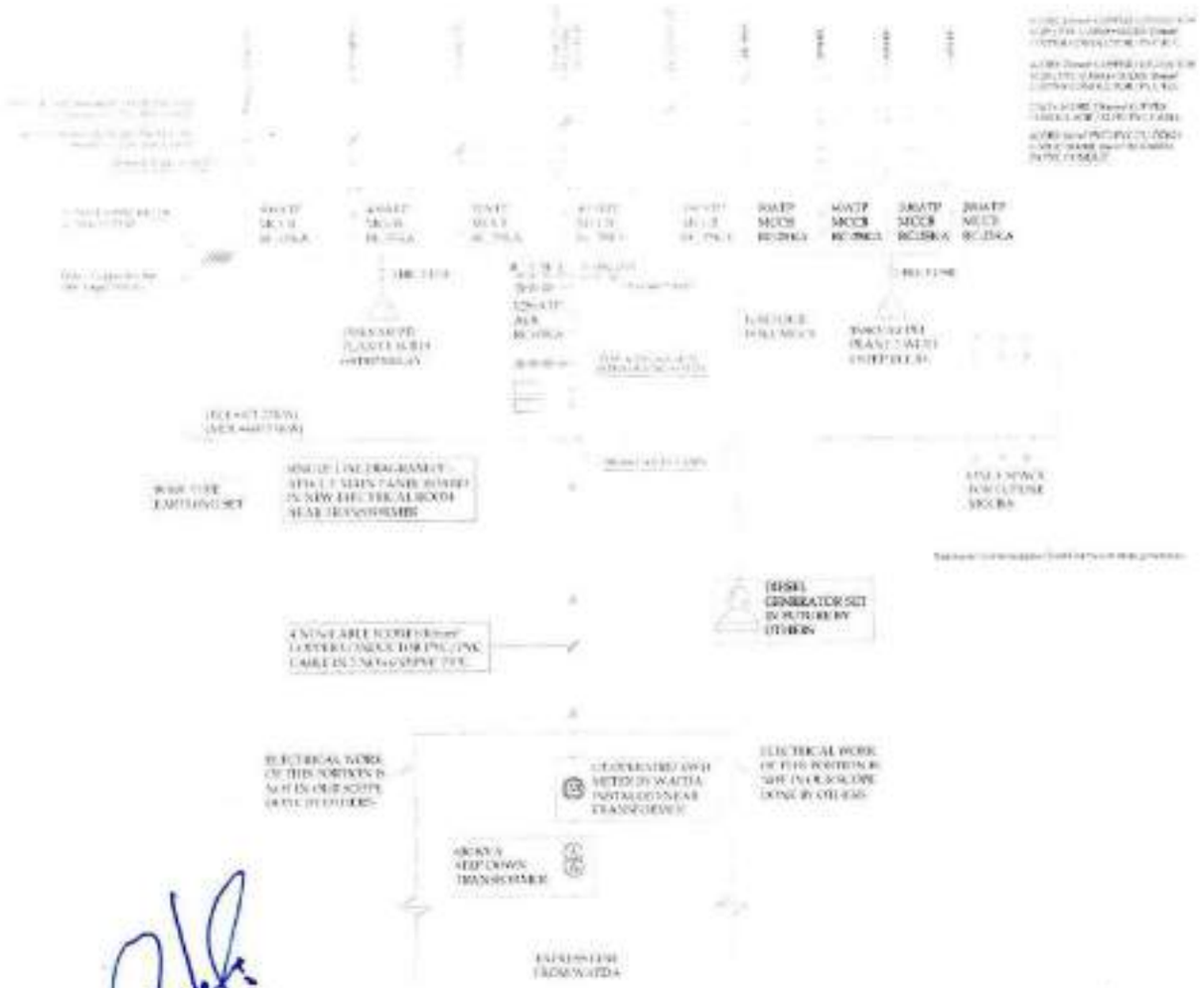

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EXECUTIVE ENIGNEER
BUILDINGS DIVISION
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8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Revenue
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):N/A
Grant Number: Development - (PC22036)
LO NO:N/A
A/C To be Credited: Assan Assignment

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

Attached

9. FINANCIAL PLAN AND MODE OF FINANCING

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

Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
Funds Released	**4.860**	**8.060**
Utilization	**4.135**	**1.317**

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	**73.000**	**45.490**
Utilization	**73.000**	**0.000**

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

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

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.

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

The Targets of Sustainable Development Goals (SDGs) will be achieved
The Human Development Index of Pakistan (HDI) will improve

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

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees
Diagnostic facility fees
X-Ray fee
Dental fee
ECG fee
Private room charges
Parking fee
Medico Legal Fee
Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021
Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

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12.3 IMPLEMENTATION PLAN

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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

12.6 PROCUREMENT PLAN

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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

undefined

15. CERTIFICATE

Focal Person Name: **Designation:**
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 THQ Dipkot (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.

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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 rist 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 committiees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	