PC-1

Balance Work of Revamping of THQ Hospital Hazro

ORIGINAL APPROVED COST	**PKR Million. 158.652/-**
ORIGINAL APPROVED GESTATION	**43 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Balance Work of Revamping of THQ Hospital Hazro

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. ATTOCK

2.2. TEHSIL(S)

I. HAZRO

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:**5371
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 Hazro:	72,144 SFT
Area completed:	56,800 SFT
Area Not Taken up:	15,344 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.

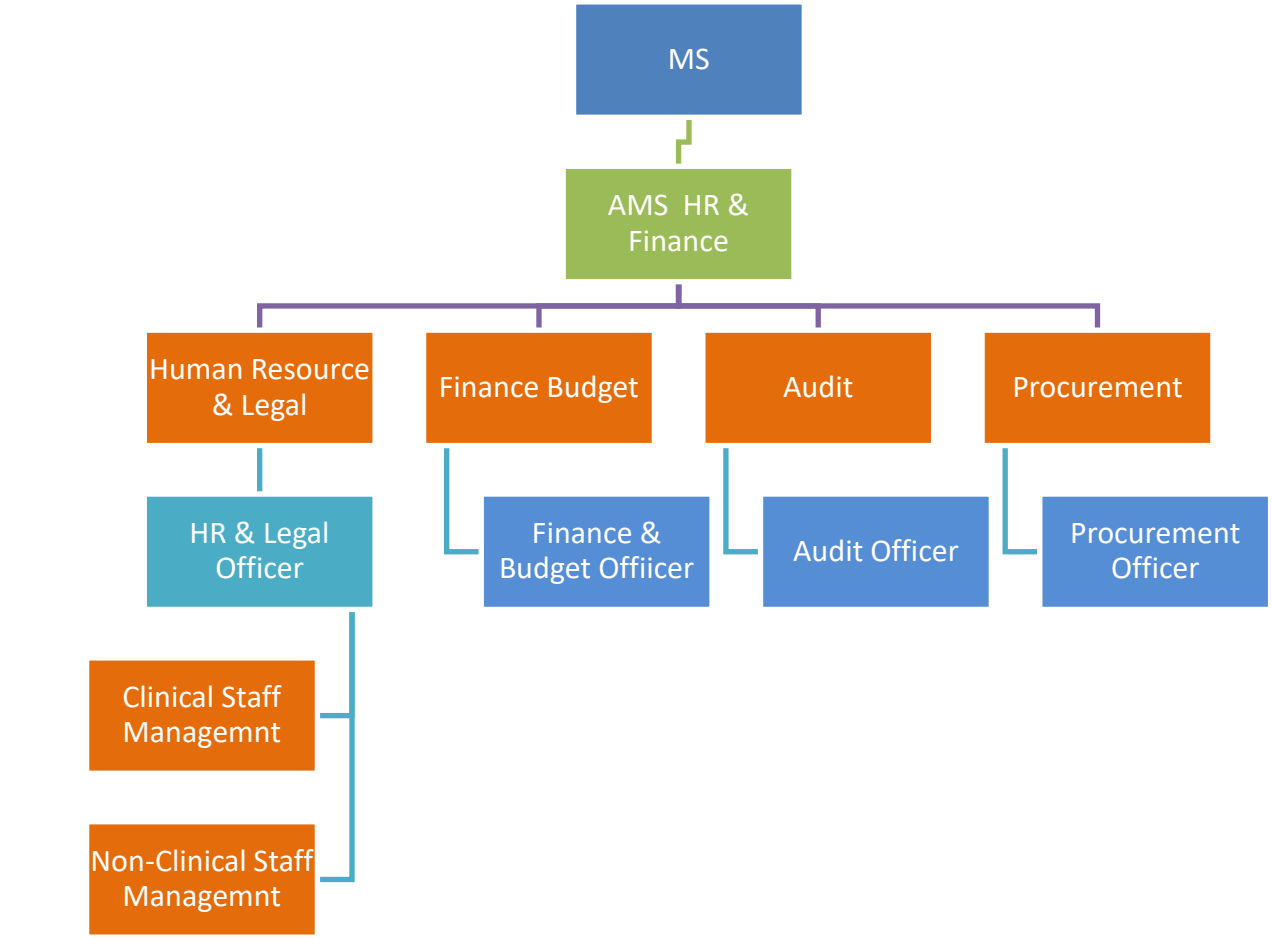
5.7.4 EMR and Networking

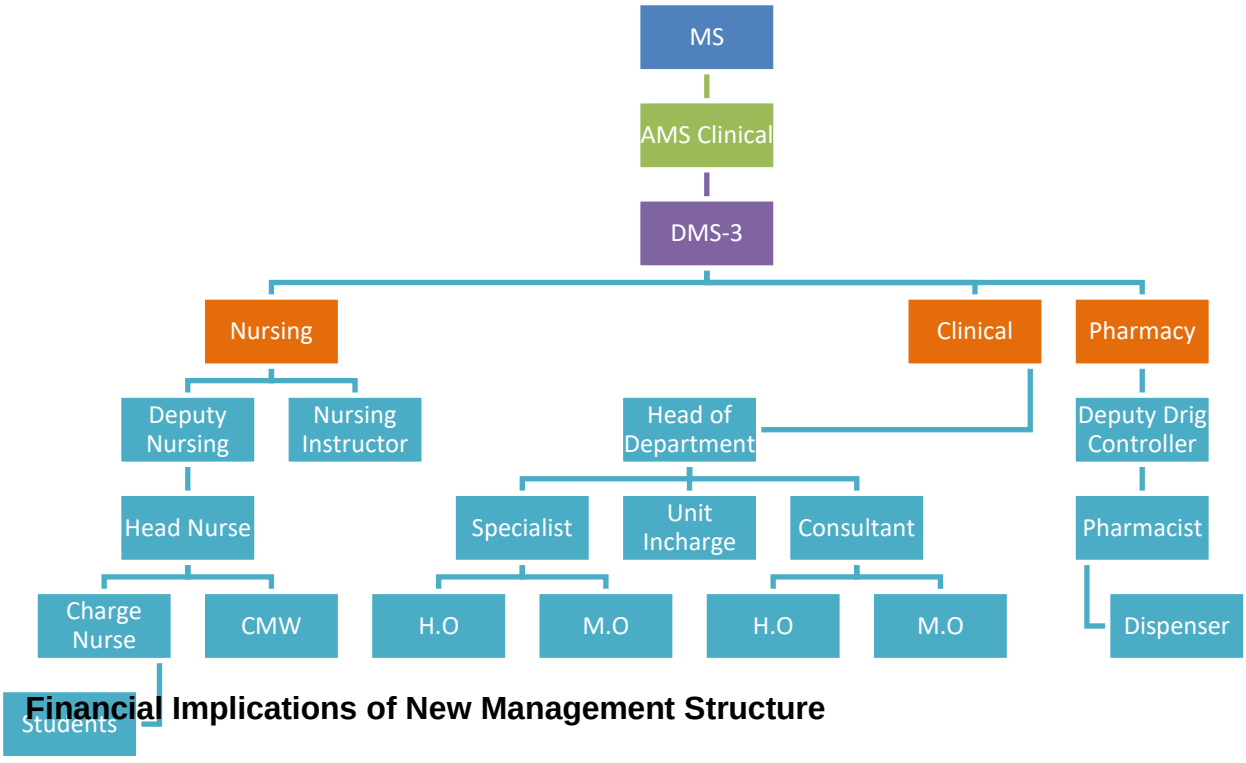
Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries 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	138,000	1,656,000
HUMAN RESOURCE OFFICER	1	80,000	960,000	138,000	1,656,000
IT/STATISTICAL OFFICER	1	80,000	960,000	138,000	1,656,000
FINANCE & BUDGET OFFICER	1	80,000	960,000	138,000	1,656,000
AUDIT OFFICER	1	80,000	960,000	138,000	1,656,000
PROCUREMENT OFFICER	1	80,000	960,000	138,000	1,656,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	840,000	228,000	2,736,000
BIOMEDICAL ENGINEER	1	80,000	960,000	138,000	1,656,000

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

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

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

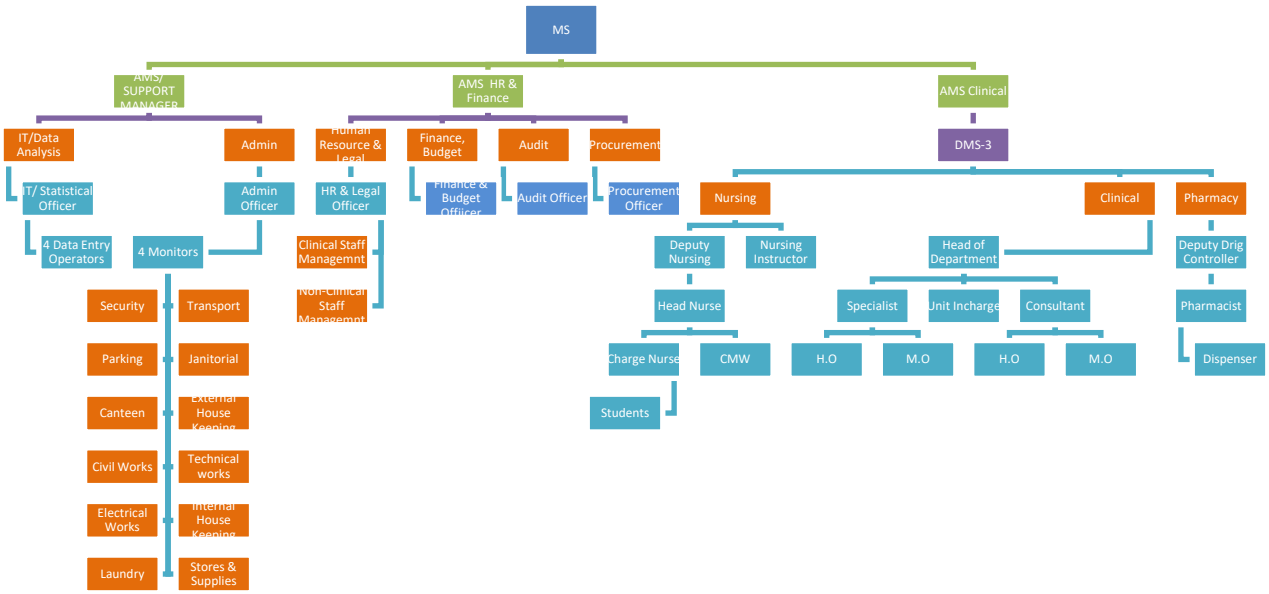
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

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 Hazro District Attock is more than 0.920 million. The area of the THQ Hospital Hazro District Attock is 406513 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

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

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

JUSTIFICATION FOR REVISION OF PC-I

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

Name of Posts	**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 Hazro District Attock
35	THQ Hospital Kamokee District Gujranwala
36	THQ Hospital Kot Addu District Muzaffargarh
37	THQ Hospital Mian Channu District Khanewal
38	THQ Hospital Noorpur Thal District Khushab
39	THQ Hospital Shujabad District Multan
40	THQ Hospital Taunsa District Dera Ghazi Khan

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO21010555
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	17.656	0.000	10.000	0.000	10.000	0.000
Total		**0.000**	**0.000**	**17.656**	**0.000**	**10.000**	**0.000**	**10.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO21010732
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	40.996	0.000	40.000	0.000	40.000	0.000
Total		**0.000**	**0.000**	**40.996**	**0.000**	**40.000**	**0.000**	**40.000**	**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 Hazro

Scope of work	Original Cost			Amended Cost			1st Revised Cost		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component									
Internal Development	56.649	0.000	56.649	78.346	0.000	78.346	78.346	0.000	78.346
External Development	48.069	0.000	48.069	37.160	0.000	37.160	37.160	0.000	37.160
Water filtration plant	5.483	0.000	5.483	5.490	0.000	5.490	5.490	0.000	5.490
Total Capital Component	**110.201**	**0.000**	**110.201**	**120.996**	**0.000**	**120.996**	**120.996**	**0.000**	**120.996**
Revenue component									
Human resource (HR) plan	0.000	17.520	17.520	0.000	17.520	17.520	0.000	37.656	37.656
Total Revenue component	**0.000**	**17.520**	**17.520**	**0.000**	**17.520**	**17.520**	**0.000**	**37.656**	**37.656**
Total	**110.201**	**17.520**	**127.721**	**120.996**	**17.520**	**138.516**	**120.996**	**37.656**	**158.652**
Grand Total	**110.201**	**17.520**	**127.721**	**120.996**	**17.520**	**138.516**	**120.996**	**37.656**	**158.652**

Human Resource Model of THQ Hospital

	Original				1st Revised				
NAME OF POST	**No. of Employees**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**	**No. of Employees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
Sub Total of HR Model	**11**		**730,000**	**17,520,000**	**11**	**50**	**849,000**	**963,000**	**29,853,000**
				17.520					**29.853**
Utilization of HR Component				**7.803**					
									37.656

(1)

From

The Chief Engineer,
Punjab Buildings Department (NZ),
(BRS) Near New Campus UOP,
Lahore.

To

The Director Infrastructure
Project Management Unit (PMU)
Primary & Secondary Healthcare Department
31/E-1, Shahra-e-Imam Hussain Gulberg-III,
Lahore.

No.CEBNZ / 2478 /D, Dated 30 / 12 /2021

SUBJECT: AMENDED ROUGH COST ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL D.H.Q / 15 T.H.Q HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HAZRO DISTRICT ATTOCK"
A.D.P SCHEME NO.1013 FOR THE YEAR (2021-22).

REFERENCE: Superintending Engineer Building Circle No.1 Rawalpindi office letter No.4546/D, dated 28.12.2021 (received on 30.12.2021)

As approved by the competent authority, the amended rough cost estimate received through above referred communication is sent hereby dully vetted for **Rs.120.996 (M)** for favour of consideration and arranging amended administrative approval under proper head of account.

DA/
Copy of
vetted estimate

Deputy Director-I
For Chief Engineer
Punjab Buildings Deptt. (N.Z),
Lahore

C.C
A Copy is forwarded for information & necessary action to the:-

1. Secretary, to Govt. of the Punjab, Primary & Secondary Healthcare Department, Lahore.
2. Commissioner Rawalpindi, Division Rawalpindi.
3. Deputy Commissioner, Attock.
4. Superintending Engineer, Building Circle No.1 Rawalpindi, with reference to his office letter referred as above.
5. Chief Executive Officer, District (Health) Authority Attock.
6. Executive Engineer, Building Division Attock.
7. Chief Draftsman (Local)

GOVERNMENT OF THE PUNJAB

NAME OF WORK

AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL HAZRO DISTRICT ATTOCK

ESTIMATED COST: **Rs. 122.120 M**

122.996 (M)

EXECUTIVE ENGINEER
BUILDING DIVISION, ATTOCK

AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL HAZRO DISTRICT ATTOCK

HISTORY.

The Government of the Punjab is making full efforts to provide the maximum facilities to the people in health sector at each Tehsil level. In this regard 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 for Revamping Program i.e. Phase – I (25 DHQ and 15 THQ Hospitals) and Phase – II (Remaining Hospitals). 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 as per Project Management Unit, Primary and Secondary Healthcare Department Lahore. The Project Management Unit, Primary and Secondary Healthcare Department intend to carry out complete revamping of their Phase – I Hospitals through Communication and Work Department Punjab. The scheme cited as subject has been reflected in current ADP at General Serial No. 1013 for the year 2021-22 and Project Management Unit, Primary and Secondary Healthcare Department Lahore No. PMU/(P&SHD)/2021/1231, dated 03.06.2021 for preparation of rough cost estimate revamping only for Clinical Blocks. In this regard a Rough cost estimate for "Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab one at Tehsil Head Quarter Hospital Hazro District Attock" amounting to **Rs. 106.967 M** was prepared and submitted to client department vide Chief Engineer Punjab Buildings Department North Zone Lahore memo No. CEBNZ/1399/D, dated 30.07.2021 but the Administrative approval was issued for **Rs. 110.201 M** vide Secretary to Government of the Punjab Primary and Secondary Healthcare Department Lahore No. PO(D-II)Revamping/P-I21, dated 05.10.2021. Accordingly detailed estimate was prepared amounting to **Rs. 99.671 M** and submitted to higher authorities for technical sanction and the same was technical sanctioned vide Chief Engineer Punjab Buildings Department North Zone Lahore memo No. CEBNZ/2141/D, dated 11.11.2021 after codel / procedural formalities the tenders were called but tenders were boycotted by the Contractors all over Punjab due to inflation of rates in the market.

Now the new rates arrived and this amended Rough cost estimate amounting to **Rs. 122.120 M** has been prepared on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/2346-50/D, Dated 15.12.2021 for 1st Bi Annual Period 2022 (1st January

2022 to 30th June 2022) and MRS 1st Bi Annual Period 2022 (1st January 2022 to 30th June 2022) and submitted for onward submission to quarter concerned for seeking amended administrative approval / funds.

SCOPE OF WORK.

1. **Internal Development (B)**
    a. **Revamping of Main Building**
        i. Tile Work, Ramp and Stairs, Paint and Dampness work, Façade Improvement, internal fixtures and internal electrification.
2. **External Development (A)**
    a. External Platform / Pathways
    b. Boundary Wall (front side)
    c. Sewerage System
    d. Water Filtration Plant with Supply system
    e. External Waiting area and Parking facility
3. **External Electrification**
    a. Main Panel Room comprising of Power / Light Distribution Boards

CARRYING OUT OF WORK.

The work will be carried out through approved contractor of Buildings Department after calling competitive through wide publicity in the press.

SPECIFICATION.

The entire specification of the Buildings Department will be adopted for the completion of the work.

RATES.

This amended rough cost estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/2346-50/D, Dated 15.12.2021 for 1st Bi Annual Period 2022 (1st January 2022 to 30th June 2022).

TIME.

36 Months are required subject to availability of funds as per allocation of current ADP 2021-22 GS No. 1013.

COST.

120.9960 (M)

The total cost of the scheme comes to **Rs. ~~122.120~~ M**

Sub Divisional Officer
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

(5)

Primary & Secondary Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated 05-10-2021

ORDER

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

Rs. in Million

Sr. No.	Sub Scheme	Capital Component	Revenue Component	Total
1	Balance work of Revamping of DHQ Hospital Sheikhupura	49.880	25.440	75.320
2	Balance work of Revamping of DHQ Hospital Kasur	44.058	25.440	69.498
3	Balance work of Revamping of DHQ Hospital Chinot	49.869	25.440	75.309
4	Balance work of Revamping of DHQ Hospital Chakwal	47.746	25.440	73.186
5	Balance work of Revamping of DHQ Hospital Attock	134.858	25.440	160.298
6	Balance work of Revamping of THQ Hospital Daska, Sialkot	148.816	17.520	166.336
7	Balance work of Revamping of THQ Hospital Hazro, Attock	110.201	17.520	127.721
8	Balance work of Revamping of THQ Hospital Esa-Khel, Mianwali	34.928	17.520	52.448
9	Balance work of Revamping of DHQ Hospital Okara	45.044	25.440	70.484
10	Balance work of Revamping of THQ Hospital Noor Pur Thal	14.249	17.520	31.769
11	Balance work of Revamping of DHQ Hospital Jhelum	64.345	25.440	89.785
12	Balance work of Revamping of DHQ Hospital Hafiz Abad	28.596	25.440	54.036
13	Balance work of Revamping of THQ Hospital Arif Wala	110.476	17.520	127.996
14	Balance work of Revamping of DHQ Hospital Bahawalnagar	77.597	25.440	103.037
15	Balance work of Revamping of THQ Hospital Kamoki	30.902	17.520	48.422
16	Balance work of Revamping of DHQ Hospital Toba Tek Singh	186.366	25.440	211.80
17	Balance work of Revamping of THQ Hospital Gojra	172.144	17.520	189.66

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OFFICE OF THE
CHIEF ENGINEER
Punjab Buildings Department North Zone
(BRS) Near New Campus University of Punjab, Lahore

Telephone No.042-99230410 Fax No. 042-99230411 Email# .cebnzdb@gmail.com

To

The Superintending Engineer,
Buildings Circle No.1
Rawalpindi.

Memo No.CEBNZ/2141/D, Dated:- 11 / 11 /2021

SUBJECT: **DETAILED ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL D.H.Q / 15 T.H.Q HOSPITALS IN PUNJAB ONE AT TEHSIL HEADQUARTER HOSPITAL HAZRO DISTRICT ATTOCK"**
A.D.P SCHEME NO.1013 FOR THE YEAR (2021-22)

Reference: Your office letter No.3477/D, dated 21.10.2021.

As approved by the competent authority, **Technical Sanction** to the detailed estimate for the subject scheme is hereby accorded under the Delegation of Financial Power Rules 2016 (Effective from 01.07.2016) with upto date amendments under Part-II Rule 1-A(ii) (Communication & Works Department) subject to the strict financial regularities and observance of due codal formalities:-

Year	***Amount***	***Head of Account***
2021-22	**Rs.99.671 (M)** (Rupees Ninety Nine Point Six Seven One Million Only)	**GRANT NO.PC-12042(042) GOVT. BUILDINGS 04-ECONOMIC AFFAIRS, 045-CONSTRUCTION & TRANSPORT 0457-CONSTRUCTION (WORKS) 0457-02- BUILDING & STRUCTURE,**

Note: The scheme stand administratively approved for Rs.110.201 (M) vide Secretary to Govt. of the Punjab Primary & Secondary Healthcare Department Lahore No.PO(D-II)Revamping/P-1/21, dated 05.10.2021.

2. **This Technical Sanction is subject to the following conditions:-**

1). The payment of rates of non standardized items should be made to the contractor as approved by the competent authority.

2). The responsibility of all types of Designs (i.e. Structural as well as Foundation Design etc) lies with the Executive Engineer In-charge as laid down in Para No.1.58 of B & R Code.

3). The Superintending Engineer in lieu of above shall check and satisfy himself to ensure economy, safety, durability and stability of structure as required under Para 1-49 of B & R Code.

4). The Lead of new earth if taken in the estimate is for estimation purpose only. The payment of the same shall be made keeping in view the instructions issued by the Government of the Punjab C&W Department, Lahore vide memo No.F&C(C&W) 11-10/86 dated 06.07.1998 / after approval by the competent authority.

5). The provision of steel is for estimation purpose only and payment of steel should be provided / paid as per actual structural design provided / vetted / approved by the P&D Department / as per actual measurement at site.

6). Sub soil investigation and bearing capacity evaluation should be got arranged from the Building Research Station / otherwise prior to execution of work at site (if needed).

7). In case of any omission regarding provisions, unit, specification rates, the Bi-Annual period i.e (2nd Bi-Annual 2021) for District Attock, upon which the scheme was originally approved, should be matter should be referred to this office for necessary correction / amendment / corrigendum / advice.

8). Procurement of Pre-cast Roofing, Concrete Pavers, Curbstones, Electric Cables and Appliances, Pipes, Wooden Doors & Windows, Aluminum profile E.I / sanitary items / appliances, Structural Steel,, insulation material , water proofing material shall be made from approved manufacture, if exists in T.S estimate.

9). The work should be got executed after getting foundation and structural design by the P&D Department. As reported by the concerned Superintending Engineer that the site / lay out plan yet not available, as such the incorporated external development kept intact provisionally with the condition the work should be allotted after clearance of site.

10). Any changes / variations on account of subsequent advice of Buildings Research Station or structural design supplied by Planning and Design Department or due to any other reason should be got approved from this office prior to execution of work at site.

11). The Executive Engineer should ensure that at the time of finalization of accounts, the lowest contractor remains the lowest keeping in view the premium over and above or below.

12). In case the estimate technically sanctioned by using 10% cushion as admissible over A.A as laid down in the latest Delegation of Financial Power Rules, the work against the excessive amount beyond original approved cost should be got executed after release of additional / balance funds by the Client Department / Competent Authority.

13). The concerned Executive Engineer / Sub Divisional Officer / Sub Engineer will be personally responsible regarding quantities / description of items / codal formalities and payment to be made to the contractor.

14). No additional items, change in items of work beyond the T.S. provision should be got executed without prior approval by the technical sanctioning authority.

15). The responsibilities regarding incorporated provisions / measurement / description of items / necessity of site will fully rest upon the concerned Sub Engineer / Sub Divisional Officer / Executive Engineer. The work should be got executed as per approved scope of work.

16). The Superintending Engineer / Executive Engineer concerned that the work should be got executed after arranging foundation and structural design from the P&D Building Department.

Design Officer
for Chief Engineer
Punjab Buildings Department,
North Zone, Lahore.

DA/
Estimate one copy

C.C

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

1. Director Audit & (Works) Punjab, Lahore.
2. Executive Engineer, Building Division Attock.
3. Chief Draftsman (Local).

ABSTRACT OF COST

ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL HAZRO DISTRICT ATTOCK

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates									Total Rate	Amount	Remarks
				Building Portion						E.I	S.I	S.G			
				Building Portion	Extra for Strip Foundation	Extra for Basement:	Reduced Cost of Foundation	Extra For 1st Floor and Subsequent Floors	Extra For Framed Structure For Each Floors						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	CLINICAL BUILDING (Internal Development, Tile work, ramp & stair paint & dampness work lead lining , façade improvement, internal fixtures, intenal electrification & miscellaneous repair work of building												52693000/- 526		This Rough Cost Estimate has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CESNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 1st July 2021 to 31st December 2021
1	Revamping of Main Building	1	P.Job	--	--	--	--	--	--	--	--	--	~~53417300~~	~~53417300~~	Detailed attached.
2	Provision of Heavy Electric Installation and Panel Room.	1	P.Job	--	--	--	--	--	--	--	--	--	13306400	13306400	Detailed attached.
3	Provision of Water Filteration Plant with Supply System	1	P.Job	--	--	--	--	--	--	--	--	--	~~6170189~~ 4930143	~~6170189~~ 4930143	Detailed attached.
4	Re-Construction of B-Wall 9" thick 8' High above Plinth Level.	1	P.Job	3692241	--	--	--	--	--	--	--	--	3692241	3692241	Detailed attached.
5	Provision of Retaining Wall 6' Height.	524	P. Rft	3657	--	--	--	--	--	--	--	--	3657	1916268	Detailed attached.
6	Provision of Gate and Gate Pillars	2	Each	442800	--	--	--	--	--	--	--	--	442800	885600	Detailed attached.
7	Providing And Fixing Of Razor Wire 22" To 24" Dia On Boundary Wall I/C Cost Of Angle Iron 1-1/2"X1-1/2"X3/16" @ 8' C/C Y-Shaped, Size 1-1/2' Side Post 2 No And 1 No Vertical Post 1' High Embedded In Pcc 1:2:4, 9"X9"X9" On Wall Including Cost Of 2 Nos G.I Wire 8 Swg For Binding Complete In All Respect As Approved By The Engineer Incharge. 447+150 = 597 Rft	524	P.Rft	400/ ~~469~~ 650/	--	--	--	--	--	--	--	--	400/ ~~469~~ 650/	209600/ ~~245756~~ 681200/	Analysis attached.
8	Provision of Iron Spike on Boundary Wall 524 x 2 = 1194 Sft	1048	P.Sft	~~1842~~	--	--	--	--	--	--	--	--	~~1842~~	~~1092016~~	Analysis attached.
9	Provision of Tuff Pavers (250+50) = (300x60) = 18000 Sft	18000	P.Sft	197	--	--	--	--	--	--	--	--	197	3546000	Analysis attached.

Hasan E Abdul Rehman Engr/Revamping THQ Hazro/THQ Hazro estimate

(01)

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates: Building Portion: Building Portion	Extra for Strip Foundation	Extra for Basement:	Reduced Cost of Foundation	Extra For 1st Floor and Subsequent Floors	Extra For Framed Structure For Each Floors	E.I	S.I	S.G	Total Rate	Amount	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15
10	Provision of External Waiting Area & Parking facility	1	P.Job	3244560	--	--	--	--	--	--	--	--	3244560	3244560	Detailed attached.
11	Provision of Sewerage Sysytem	1	P.Job	10484535	--	--	--	--	--	--	--	--	10484535	10484535	Detailed attached.
12	Provision of Street Lights	1	P.Job	4084364	--	--	--	--	--	--	--	--	4084364	4084364	Detailed attached.
													Total	~~101085160~~ 98036151/-	
													Add 1% for tree plantation charges	~~1010852~~ 980362/-	
													Total	~~102096821~~	
													Add 5% PST charges	~~5104841~~ 4930826/-	
													Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trasnsforme	2000000	
													Add Cost for Sui Gas payable to SNGPL	1000000	
													Grand Total:-	~~410209632~~ 106967339/-	
													Rs.in Million	~~410.201~~ 106.967 (M)	

TECHNICALLY VETTED
Est Rs. 106.967 (M)illion
Chief Draftsman
Punjab Buildings Deptt
North Zone, Lahore

Sub Divisional Officer,
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

Superintending Engineer
Buildings Circle
Attock

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GENERAL COMPARATIVE STATEMENT

AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL HAZRO DISTRICT ATTOCK

Sr. No.	Description	As per Vetted R/C Estimate				As per Amended R/C Estimate				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
1	Revamping of Main Building	1	P.Job	52693000	52693000	1	P.Job	56034200	56034200	3341200	0	Excess due to new rates arrived for the period 1st Half 2022.
2	Provision of Heavy Electric Installation and Panel Room.	1	P.Job	13306400	13306400	1	P.Job	22311700	22311700	9005300	0	----do----
3	Provision of Water Filteration Plant with Supply System	1	P.Job	4930143	4930143	1	P.Job	5489900	5489900	559757	0	----do----
4	Re-Construction of B-Wall 9" thick 8' High above Plinth Level.	1	P.Job	3692241	3692241	1	P.Job	4066200	4066200	373959	0	----do----
5	Provision of Retaining Wall 6' Height.	524	P. Rft	3657	1916268	524	P. Rft	4191	2196084	279816	0	----do----
6	Provision of Gate and Gate Pillars	2	Each	442800	885600	2	Each	567400	1134800	249200	0	----do----

Sr. No.	Description	As per Vetted R/C Estimate				As per Amended R/C Estimate				Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
7	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge 24" diameter.	524	P.Rft	400	209600	524	P.Rft	322.55	169016	0	40584	Saving due to new rates arrived for the period 1st Half 2022.
8	Provision of Iron Spike on Boundary Wall	1048	P.Sft	650	681200	1048	P.Sft	845	885560	204360	0	Excess due to new rates arrived for the period 1st Half 2022.
9	Provision of Tuff Pavers	18000	P.Sft	197	3546000	18000	P.Sft	223	4014000	468000	0	Saving due to new rates arrived for the period 1st Half 2022.
10	Provision of External Waiting Area & Parking facility	1	P.Job	1606800	1606800	1	P.Job	1350100	1350100	0	256700	Excess due to new rates arrived for the period 1st Half 2022.
11	Provision of Sewerage Sysytem	1	P.Job	10484535	10484535	1	P.Job	10941600	10941600	457065	0	Saving due to new rates arrived for the period 1st Half 2022.
12	Provision of Street Lights	1	P.Job	4084364	4084364	1	P.Job	3784332	3784332	0	300032	Excess due to new rates arrived for the period 1st Half 2022.
				Total: -	**98036151**				**112377492**	**14341341**	**0**	

Sr. No.	Description	As per Vetted R/C Estimate				As per Amended R/C Estimate			Excess	Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount			
	Add 1% for tree plantation charges: -				980362				~~1423775~~	~~143413~~	0	
	Total: -				99016513				~~113501267~~	~~14484754~~	0	
	Add 5% PST charges: -				4950826				5618875	668049	0	
	Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trasnsformer: -				2000000				2000000	0	0	
	Add Cost for Sui Gas payable to SNGPL: -				1000000				1000000	0	0	
	Grand Total: -				106967339				~~122120142~~ 120996366	~~15152803~~	0	
	Rs.in Million: -				106.967				~~122.120~~ 120.996 (M)	~~15.153~~	0	

TECHNICALLY VETTED
For Rs. 120.996 (M) (Million)
Chief Engineer, Punjab Buildings Deptt, North Zone, Lahore.
Punjab Buildings Deptt, North Zone, Lahore.
Punjab Buildings Deptt, North Zone, Lahore.

Sub Divisional Officer,
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

Superintending Engineer
Buildings Circle No. 1
Rawalpindi

ABSTRACT OF COST

AMENDED ROUGH COST ESTIMATE FOR "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL HAZRO DISTRICT ATTOCK

Sr. No.	Description	Plinth Area/ Qty	Unit	Plinth Area Rates										Amount	Remarks
				Building Portion						E.I	S.I	S.G	Total Rate		
				Building Portion	Extra for Strip Foundation	Extra for Base-ment:	Reduced Cost of Found-ation	Extra For 1st Floor and Subsequent Floors	Extra For Framed Structure For Each Floors						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	**CLINICAL BUILDING** (Internal Development, Tile work, ramp & stair paint & dampness work lead lining , façade improvement, internal fixtures, intenal electrification & miscellaneous repair work of building														This amended RCE has been framed on the basis of Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/2346-50/D, Dated 15.12.2021 for 1st Bi Annual Period 2022 (1st January 2022 to 30th June 2022)
1	Revamping of Main Building	1	P.Job	--	--	--	--	--	--	--	--	--	56034200	56034200	Detailed attached.
2	Provision of Heavy Electric Installation and Panel Room.	1	P.Job	--	--	--	--	--	--	--	--	--	22311700	22311700	Detailed attached.
3	Provision of Water Filteration Plant with Supply System	1	P.Job	--	--	--	--	--	--	--	--	--	5489900	5489900	Detailed attached.
4	Re-Construction of B-Wall 9" thick 8' High above Plinth Level.	1	P.Job	4066200	--	--	--	--	--	--	--	--	4066200	4066200	Detailed attached.
5	Provision of Retaining Wall 6' Height.	524	P. Rft	4191	--	--	--	--	--	--	--	--	4191	2196084	Detailed attached.
6	Provision of Gate and Gate Pillars	2	Each	567400	--	--	--	--	--	--	--	--	567400	1134800	Detailed attached.

13

7	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge 24" diameter. 447+150-67 = 524 Rft	524	P.Rft	322.55	--	--	--	--	--	--	--	--	322.55	169016	Analysis attached.
8	Provision of Iron Spike on Boundary Wall 524 x 2 = 1194 Sft	1048	P.Sft	845	--	--	--	--	--	--	--	--	845	885560	Analysis attached.
9	Provision of Tuff Pavers (250+50) = (300x60) = 18000 Sft	18000	P.Sft	223	--	--	--	--	--	--	--	--	223	4014000	Analysis attached.
10	Provision of External Waiting Area & Parking facility	1	P.Job	1350100	--	--	--	--	--	--	--	--	1350100	1350100	Detailed attached.
11	Provision of Sewerage Sysytem	1	P.Job	10941600	--	--	--	--	--	--	--	--	10941600	10941600	Detailed attached.
12	Provision of Street Lights	1	P.Job	3784332	--	--	--	--	--	--	--	--	3784332	3784332	Detailed attached.
													Total	**112377492**	
													~~Add 1% for tree plantation charges~~	~~1123775~~	
													Add 5% PST charges	5618875	
													Add Cost for WAPDA Transformer payable to IESCO (Increase the load capacity of trasnsformer	2000000	

Add Cost for Sui Gas payable to SNGPL	1000000	
Grand Total:	~~122120142~~ 120996366	
Rs.in Million	~~122.120~~ 120.996	

Sub Divisional Officer,
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

Superintending Engineer
Building Circle No. 1
Rawalpindi

ABSTRACT OF COST FOR REVAMPING OF MAIN BUILDING

(16)

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Dismantling cement concrete 1:2:4 plain.	4437	%Cft	9060.5	402014
2	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	2219	%Cft	6301.3	139826
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	4437	%Cft	28284.95	1255003
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 600mmx 600 mm	23831	P. Sft	302.15	7200537
5	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	2519	P. Sft	202.6	510349
6	Removing cement or lime plaster.	43899	%Sft	343.2	150661
7	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick	43899	%Sft	2582.9	1133867
8	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm	32462	P. Sft	302.15	9808393
9	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	11032	P. Sft	209.5	2311204
10	P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.	10526	P. Sft	405	4263030
11	Preparing surface and painting with emulsion paint 3 coats i/c Scraping Ordinary distemper, oil bound distemper, or paint of wall.	43377	%Sft	3170.9	1375441
12	P/F Of U-PVC Door I/C Chowkat Framed 70Mm Casement Frame For Openable Delux / White With Multi Locking System, Special Uv Resistent Profile With Titanium Dioxide Belgium (Deceuninck) Made Complete In All Respect As Approved And Directed by the Engineer Incharge.	508	P. Sft	860	436880
13	Removing door with chowkat.	54	Each	362.35	19567
14	Removing windows and sky lights with chowkat.	89	Each	283.15	25200

15	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	429	P. Sft	716.5	307379
16	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.	2004	P. Sft	606.5	1215426
17	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2004	P. Sft	688.35	1379453
18	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 1/2" Squar Bars	2004	P. Sft	760.05	1523140
19	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge 15 " wide	284	P. Sft	669.95	190266
20	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge Oak/Ash wood Door 1-1/2" thick (40 mm)	259	P. Sft	1462.5	378788
21	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (Non-Skid Chequred Tiles) 300mmx300mm	588	P. Sft	190.4	111955
22	Dismantling 2nd class tile roofing.	6253	%Sft	1029.6	64381
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.	6253	%Sft	9636.05	602542
24	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	30	Each	670.5	20115
25	Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) or Equivalent i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge	325	Each	10920	3549000

26	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect. Deodar wood architrave	284	P. Sft	79.2	22493
27	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	18	Each	13915.8	250484
28	P/F Glazed earthen ware W.C squater type (Orisa pattern) (ICL 4006 Brand) complete in all respect as approved by the Engineer Incharge.	15	Each	3490	52350
29	Providing And Fitting White Glazed earthenware Wash Hand Basins (22" x 16") (56 cm x 40 cm) with padestal (ICL Freegate Brand) (22" X 16"), Including Bracket Set, Waste Pipe And Waste Coupling, Etc. Colour With Pedestal As Approved And Directed By The Engineer In Charge.	14	Each	4080	57120
30	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)	855	P. Rft	382.7	327209
31	Providing and installing P.V.C. bends, of B.S.S. Class `B' working pressure 4" i/d (100 mm)	60	Each	477.35	28641
32	Providing and installing P.V.C. tees, of B.S.S. Class `B' working pressure 4" i/d (100 mm)	30	Each	1355.5	40665
33	P/F of UPVC wall paneling UPVC section like plank, beading gola, angle gola 200 mm wide 9mm thick designed grooved planks fixed with inter locking system nails scew on existing wall produced in plumbs using wooden strips (Anti termite) i/c carriage of material from market to site work complete in all respect as approved/ directed by the Engineer Incharge	3201	P. Sft	145	464145
34	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.	290	P. Sft	4558	1321820
35	P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.	1648	P. Rft	740	1219520
36	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 two coats.	18797	%Sft	3446.3	647801
37	P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	2504	P. Sft	1090	2729360
38	P/F Of Antistatic Antibacterial Vinyl Flooring With Fixation On floor I/C Carriage Of Material From Market To Site Of Work Complete In All Respect As Approved/ Directed By The Engineer Incharge	999	P. Sft	695	694305
39	P/L Sunny Grey Marble 1/2" To 3/8" Thick Laid On Top Of Parapit At 2Nd And 3Rd Floor Of Width 1.25" Laid With 1:2 Cement Sand Mortor, Providing 3/8" Thick Slope Inside Without Rubbing But Also Include Filling Of Joint Projected Outside 1/2" Complete In All Respected As Approved Directed By The Engineer Incharge	7023	P. Sft	200	1404520
40	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	52	P. Rft	1775.1	92305

41	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge 3/4" thick	72	P. Sft	841.3	60574
42	Providing and fitting glazed earthen ware Under Counter Vanity Basin waste pipe and waste coupling, etc.	12	Each	6603.9	79247
43	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.	12	Each	607.8	7294
44	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.	20	Each	32650.85	653017
45	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	13	Each	6600	85800
46	Providing And Fitting Low Down Flushing Cistern 13.63 Litres (3 Gallons) Capacity, Plastic (Master or Eq. Made) Including Bracket Set, Copper Connection, Etc Complete In All Respect As Approved And Directed By The Engineer In Charge.	15	Each	3175	47625
47	Providing and fixing CP double Bib Cock, made of Sonex/Master/Faisal complete in all respect as approved and directed by the Engineer incharge.	32	Each	1681.55	53810
48	Providing and fixing CP Muslim showe made of Sonex/Master/Faisal complete in all respect as approved and directed by the Engineer incharge.	18	Each	2161.55	38908
49	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)	540	P. Rft	382.7	206658
50	Providing and fitting "P" trap 10 cm (4") glazed	40	Each	217.8	8712
51	P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In All Respect As App By The Engineer Incharge	35	Each	770	26950
52	S/E of Emergency Exit logo light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.	5	Each	2200	11000
53	S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.	50	Each	2550	127500
54	Supply & errection of Wall Bracket fan plastic body 18" size GFC / Pak Fan made i/c fitting and making electric connection complete in all respect as approved by the Engineer Incharge.	150	Each	4820	723000
55	P/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	110	Each	420	46200
56	P/F Of Gang Plate 8 To 10 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	50	Each	500	25000
57	S/E of Power Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.	40	Each	765	30600
58	P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	790	Each	185	146150
59	P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	160	Each	410	65600
60	P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	210	Each	390	81900
61	Electrification (160) + Public Health (121) + Sui Gas (52) = 333 P. Sft (Plinth Area Rates 1st BI Annual 2022 Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/2346-50/D, Dated 15.12.2021 for 1st Bi Annual Period 1st January 2022 to 30th June 2022	13890	P. Sft	333	4625370
				Total (A): -	**54878070**

	Deduction of Old Material				
1	Old Doors with Chowkat	54	Each	1725	93150
2	Old Windows	89	Each	1150	102350
3	Tiles 9"x4-1/2"x1-1/2"	16195	%0Nos	6900	111746
4	Tile Bats	782	%Cft	2875	22483
5	Electric Cables (Unserviceable)	1	P. Job	11500	11500
				Total (B): -	**341229**
				Net (A-B): -	**54536841**
				Add 3% Contingency on all Items except Item No. 61: -	**1497346**
				G-Total: -	**56034187**
				Say: -	**56034200**

Sub Divisional Officer,
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DETAIL FOR REVAMPING OF MAIN BUILDING

(21)

1	Dismantling cement concrete 1:2:4 plain.								
	Ground Floor								
	Specialist OPD								
	X-Ray Dilevery		1	16	8	0.167		21	Cft
	X-Ray Room		1	16	18	0.167		48	Cft
	Lobby		1	16	16	0.167		43	Cft
	D-Room		1	10	10	0.167		17	Cft
	Lobby and film store		1	6	10	0.167		10	Cft
	Doctor Room		3	12	18	0.167		108	Cft
	Waiting Room		1	12	18	0.167		36	Cft
	C.M.O Room		1	12	16	0.167		32	Cft
	M.S Room		1	14	16	0.167		37	Cft
	Toilet with Doctor room		3	4	6	0.167		12	Cft
	Toilet with CMO and MS room		2	5	6	0.167		10	Cft
	Verandah		1	8	51	0.167		68	Cft
	Exam and waiting		1	10.5	10	0.167		18	Cft
	Gyne Department								
	Labour Room		1	14	18	0.167		42	Cft
	Wash room		1	7	7	0.167		8	Cft
	Lobby		1	7	11	0.167		13	Cft
	Recovery		1	12	18	0.167		36	Cft
	10 beded ward		1	36	18	0.167		108	Cft
	Lav		1	10	18	0.167		30	Cft
	APWMO Room		1	13	18	0.167		39	Cft
	Exm		1	6	9.58	0.167		10	Cft
	Toilet		1	6	8	0.167		8	Cft
	WMO		1	12	18	0.167		36	Cft
	Waiting Room		1	13	11	0.167		24	Cft
	Toilet		2	6	7	0.167		14	Cft
	WMO Room		1	13	18	0.167		39	Cft
	Exm		1	8	11.58	0.167		15	Cft
	Toilet		1	8	6	0.167		8	Cft
	Gyne specialist		1	13.5	18	0.167		41	Cft
	Store		1	7	8	0.167		9	Cft
	Lobby and corridor		1	85	8	0.167		113	Cft
	Female and Peads wards								
	Nursing		1	11	12	0.167		22	Cft
	Toilet		1	5	7	0.167		6	Cft
	Store		1	7	7	0.167		8	Cft
	20 beded ward		1	56.5	18	0.167		170	Cft
	Lav		1	14	18	0.167		42	Cft
	Duty Doctor		1	10	13	0.167		22	Cft
	Toilet		1	10	5	0.167		8	Cft
	Semi Sterlize		1	15	8.25	0.167		21	Cft
	Toilet		1	8	9	0.167		12	Cft
	Nursing		1	15.75	9	0.167		24	Cft
	Super ster		1	8	8.25	0.167		11	Cft
	6 beded ward		1	38	18	0.167		114	Cft
	Lav		1	10	18	0.167		30	Cft
	Corridor		1	85	8	0.167		113	Cft
	Emergency Department								
	Lobby		1	20	18	0.167		60	Cft
			1	13	10	0.167		22	Cft
	Doctor Room		1	12	12	0.167		24	Cft
	Both Toilet with vanity		1	11	12	0.167		22	Cft
	5 beded ward		1	22	12	0.167		44	Cft
	O.T.		1	16	18	0.167		48	Cft
	Recpt		1	10	12	0.167		20	Cft
	Doctor Room		1	12.5	12	0.167		25	Cft
			1	12	16	0.167		32	Cft
	Toilet		1	6	8	0.167		8	Cft
	Toilet		1	6	8	0.167		8	Cft
	Anesthetist		1	11	8	0.167		15	Cft
	Scrub up		1	11	8	0.167		15	Cft
	Ster		1	10	8	0.167		13	Cft

	Lobby and corridor		1	35	6	0.167		35	Cft
	Main corridor		1	170	12	0.167		340	Cft
	Room under ramp		1	16	8	0.167		21	Cft
	Under ramp		1	50	8	0.167		67	Cft
	1st Floor								
	Specialist								
	Doctor room		1	16	18	0.167		48	Cft
	Toilet		1	4	6	0.167		4	Cft
			1	5	4	0.167		3	Cft
	Dirty		1	10	10	0.167		17	Cft
	Doctor		3	12	18	0.167		108	Cft
	Toilet		3	4	6	0.167		12	Cft
	Waiting		1	12	18	0.167		36	Cft
	3 W.C.		1	16	8	0.167		21	Cft
	Ver		1	67	8	0.167		89	Cft
	Private room					0.167		0	Cft
	P. Room		1	12	18	0.167		36	Cft
	Toilet		1	6	8	0.167		8	Cft
	P. Rm		2	10	18	0.167		60	Cft
			2	6	10	0.167		20	Cft
	Toilet		2	6	8	0.167		16	Cft
	P. Rm		2	10	18	0.167		60	Cft
			2	6	5	0.167		10	Cft
	Toilet		2	6	8	0.167		16	Cft
	Doctor Rm		1	12	18	0.167		36	Cft
	Toilet		1	4	6	0.167		4	Cft
	Nursing		1	11	12	0.167		22	Cft
	Store		1	7	7	0.167		8	Cft
	Toilet		1	5	7	0.167		6	Cft
	20 beded ward		1	56.5	18	0.167		170	Cft
	Lav		1	14	18	0.167		42	Cft
	P. Rm		1	12	18	0.167		36	Cft
	Toilet		1	6	8	0.167		8	Cft
	P. Rm		4	10	18	0.167		120	Cft
			4	6	10	0.167		40	Cft
	Toilet		4	6	8	0.167		32	Cft
	Corridor left side		1	82	8	0.167		109	Cft
	Corridor right side		1	70	8	0.167		93	Cft
	Waiting		1	14	18	0.167		42	Cft
	Ent/stair		1	20	24	0.167		80	Cft
	Main corridor		1	100	12	0.167		200	Cft
	Specialist O.P.D.								
	Waiting		1	14	18	0.167		42	Cft
	Lab		1	12	18	0.167		36	Cft
	Doctor		1	12	18	0.167		36	Cft
	Waiting		1	10	11	0.167		18	Cft
	Dress and Toilet		1	10	7	0.167		12	Cft
	Doctor		1	12	18	0.167		36	Cft
	Exam		1	8	11	0.167		15	Cft
	Bath		1	8	7	0.167		9	Cft
	Store		1	15	8.75	0.167		22	Cft
	Corridor		1	60	8	0.167		80	Cft
			1	12	18	0.167		36	Cft
			1	8	6	0.167		8	Cft
							Total: -	**4437**	**Cft**
2	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.								
	Same Qty as Item No. 1		1	4437	/0.167	x0.333		8874	Cft
	Take 25% of Qty		1	8874	25%			**2219**	**Cft**
3	Cement concrete plain including placing, compacting, finishing and curing complete (including								
	Same Qty as Item No. 1							**4437**	**Cft**
4	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 600mmx 600 mm								
	Ground Floor								
	Specialist OPD								

X-Ray Dilevery	1	16	8			128	Sft
X-Ray Room	1	16	18			288	Sft
Lobby	1	16	16			256	Sft
D-Room	1	10	10			100	Sft
Lobby and film store	1	6	10			60	Sft
Doctor Room	3	12	18			648	Sft
Waiting Room	1	12	18			216	Sft
C.M.O Room	1	12	16			192	Sft
M.S Room	1	14	16			224	Sft
Verandah	1	8	51			408	Sft
Exam and waiting	1	10.5	10			105	Sft
Gyne Department							
Labour Room	1	14	18			252	Sft
Lobby	1	7	11			77	Sft
Recovery	1	12	18			216	Sft
10 beded ward	1	36	18			648	Sft
APWMO Room	1	13	18			234	Sft
Exm	1	6	9.58			57	Sft
WMO	1	12	18			216	Sft
Waiting Room	1	13	11			143	Sft
WMO Room	1	13	18			234	Sft
Exm	1	8	11.58			93	Sft
Gyne specialist	1	13.5	18			243	Sft
Store	1	7	8			56	Sft
Lobby and corridor	1	85	8			680	Sft
Female and Peads wards							
Nursing	1	11	12			132	Sft
Store	1	7	7			49	Sft
20 beded ward	1	56.5	18			1017	Sft
Duty Doctor	1	10	13			130	Sft
Semi Sterlize	1	15	8.25			124	Sft
Nursing	1	15.75	9			142	Sft
Super ster	1	8	8.25			66	Sft
6 beded ward	1	38	18			684	Sft
Corridor	1	85	8			680	Sft
Emergency Department							
Lobby	1	20	18			360	Sft
	1	13	10			130	Sft
Doctor Room	1	12	12			144	Sft
5 beded ward	1	22	12			264	Sft
O.T.	1	16	18			288	Sft
Recpt	1	10	12			120	Sft
Doctor Room	1	12.5	12			150	Sft
	1	12	16			192	Sft
Anesthetist	1	11	8			88	Sft
Scrub up	1	11	8			88	Sft
Ster	1	10	8			80	Sft
Lobby and corridor	1	35	6			210	Sft
Main corridor	1	170	12			2040	Sft
Room under ramp	1	16	8			128	Sft
Under ramp	1	50	8			400	Sft
1st Floor							
Specialist							
Doctor room	1	16	18			288	Sft
Dirty	1	10	10			100	Sft
Doctor	3	12	18			648	Sft
Waiting	1	12	18			216	Sft
Ver	1	67	8			536	Sft
Private room							
P. Room	1	12	18			216	Sft
P. Rm	2	10	18			360	Sft
	2	6	10			120	Sft
P. Rm	2	10	18			360	Sft
	2	6	5			60	Sft
Doctor Rm	1	12	18			216	Sft
Nursing	1	11	12			132	Sft
Store	1	7	7			49	Sft

	20 beded ward		1	56.5	18			1017	Sft
	P. Rm		1	12	18			216	Sft
	P. Rm		4	10	18			720	Sft
			4	6	10			240	Sft
	Corridor left side		1	82	8			656	Sft
	Corridor right side		1	70	8			560	Sft
	Waiting		1	14	18			252	Sft
	Ent/stair		1	20	24			480	Sft
	Main corridor		1	100	12			1200	Sft
	Specialist O.P.D.								
	Waiting		1	14	18			252	Sft
	Lab		1	12	18			216	Sft
	Doctor		1	12	18			216	Sft
	Waiting		1	10	11			110	Sft
	Doctor		1	12	18			216	Sft
	Exam		1	8	11			88	Sft
	Store		1	15	8.75			131	Sft
	Corridor		1	60	8			480	Sft
							Total: -	**23831**	**Sft**
5	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"								
	Toilet with Doctor room		3	4	6			72	Sft
	Toilet with CMO and MS room		2	5	6			60	Sft
	Wash room		1	7	7			49	Sft
	Lav		1	10	18			180	Sft
	Toilet		1	6	8			48	Sft
	Toilet		2	6	7			84	Sft
	Toilet		1	8	6			48	Sft
	Toilet		1	5	7			35	Sft
	Lav		1	14	18			252	Sft
	Toilet		1	10	5			50	Sft
	Toilet		1	8	9			72	Sft
	Lav		1	10	18			180	Sft
	Both Toilet with vanity		1	11	12			132	Sft
	Toilet		1	6	8			48	Sft
	Toilet		1	6	8			48	Sft
	Toilet		1	4	6			24	Sft
			1	5	4			20	Sft
	Toilet		3	4	6			72	Sft
	3 W.C.		1	16	8			128	Sft
	Toilet		1	6	8			48	Sft
	Toilet		2	6	8			96	Sft
	Toilet		2	6	8			96	Sft
	Toilet		1	4	6			24	Sft
	Toilet		1	5	7			35	Sft
	Lav		1	14	18			252	Sft
	Toilet		1	6	8			48	Sft
	Toilet		4	6	8			192	Sft
	Dress and Toilet		1	10	7			70	Sft
	Bath		1	8	7			56	Sft
							Total: -	**2519**	**Sft**
6	Removing cement or lime plaster.								
	Ground Floor								
	Specialist OPD								
	X-Ray Dilevery		2	56.5	5			565	Sft
			2	8	5			80	Sft
	X-Ray Room		2	16	5			160	Sft
			2	18	5			180	Sft
	Lobby		2	16	5			160	Sft
			2	16	5			160	Sft
	D-Room		2	10	5			100	Sft
			2	10	5			100	Sft
	Lobby and film store		4	6	5			120	Sft

			2	10	5			100	Sft
	Doctor Room		6	12	5			360	Sft
			6	18	5			540	Sft
	Toilet		6	4	7			168	Sft
			6	6	7			252	Sft
	Waiting Room		2	12	5			120	Sft
			2	18	5			180	Sft
	C.M.O Room		2	12	5			120	Sft
			2	16	5			160	Sft
	M.S Room		2	14	5			140	Sft
			2	16	5			160	Sft
	Toilet		4	5	7			140	Sft
			4	6	7			168	Sft
	Verandah		2	51	5			510	Sft
	Exam and waiting		1	10.5	5			53	Sft
			2	10	5			100	Sft
	Gyne Department								
	Labour Room		2	14	5			140	Sft
			2	18	5			180	Sft
	Wash room		2	7	7			98	Sft
			2	7	7			98	Sft
	Lobby		2	7	5			70	Sft
			2	11	5			110	Sft
	Recovery		2	12	5			120	Sft
			2	18	5			180	Sft
	10 beded ward		2	36	5			360	Sft
			2	18	5			180	Sft
	Lav		8	5	7			280	Sft
			8	5	7			280	Sft
			2	10	7			140	Sft
			2	8	7			112	Sft
	APWMO Room		2	13	5			130	Sft
			2	18	5			180	Sft
	Exm		2	6	5			60	Sft
			2	9.58	5			96	Sft
	Toilet		4	6	7			168	Sft
			2	8	7			112	Sft
	WMO		2	12	5			120	Sft
			2	18	5			180	Sft
	Waiting Room		1	13	5			65	Sft
			2	11	5			110	Sft
	Toilet		4	6	7			168	Sft
			4	7	7			196	Sft
	WMO Room		2	13	5			130	Sft
			2	18	5			180	Sft
	Exm		2	8	5			80	Sft
			2	11.58	5			116	Sft
	Toilet		2	8	7			112	Sft
			2	6	7			84	Sft
	Gyne specialist		2	13.5	5			135	Sft
			2	18	5			180	Sft
	Store		2	7	5			70	Sft
			2	8	5			80	Sft
	Lobby and corridor		2	85	5			850	Sft
			5	8	5			200	Sft
	Female and Peads wards								
	Nursing		2	11	5			110	Sft
			2	12	5			120	Sft
	Toilet		2	5	7			70	Sft
			2	7	7			98	Sft
	Store		2	7	5			70	Sft
			2	7	5			70	Sft
	20 beded ward		2	56.5	5			565	Sft
			2	18	5			180	Sft
	Lav		8	4.5	7			252	Sft
			8	5	7			280	Sft
			4	4.25	7			119	Sft

			4	5	7			140	Sft
			2	14	7			196	Sft
			2	8	7			112	Sft
	Duty Doctor		2	10	5			100	Sft
			2	13	5			130	Sft
	Toilet		2	10	7			140	Sft
			2	5	7			70	Sft
	Semi Sterlize		2	15	5			150	Sft
			2	8.25	5			83	Sft
	Toilet		2	8	7			112	Sft
			2	9	7			126	Sft
	Nursing		2	15.75	5			158	Sft
			2	9	5			90	Sft
	Super ster		2	8	5			80	Sft
			2	8.25	5			83	Sft
	6 beded ward		2	38	5			380	Sft
			2	18	5			180	Sft
	Lav		8	5	7			280	Sft
			8	5	7			280	Sft
			2	10	7			140	Sft
			2	8	7			112	Sft
	Corridor		2	85	5			850	Sft
			3	8	5			120	Sft
	Ent/Stair		2	20	5			200	Sft
			2	24	5			240	Sft
	Emergency Department								
	Lobby		2	20	5			200	Sft
			2	18	5			180	Sft
			2	13	5			130	Sft
			2	10	5			100	Sft
	Doctor Room		2	12	5			120	Sft
			2	12	5			120	Sft
	Both Toilet with vanity		4	11	7			308	Sft
			4	12	7			336	Sft
	5 beded ward		2	22	5			220	Sft
			2	12	5			120	Sft
	O.T.		2	16	5			160	Sft
			2	18	5			180	Sft
	Recpt		2	10	5			100	Sft
			2	12	5			120	Sft
	Doctor Room		2	12.5	5			125	Sft
			2	12	5			120	Sft
			2	12	5			120	Sft
			2	16	5			160	Sft
			1	6	5			30	Sft
			2	8	5			80	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	Anesthetist		2	11	5			110	Sft
			2	8	5			80	Sft
	Scrub up		2	11	5			110	Sft
			2	8	5			80	Sft
	Ster		2	10	5			100	Sft
			2	8	5			80	Sft
	Lobby and corridor		2	35	5			350	Sft
			3	6	5			90	Sft
	Main corridor		2	170	5			1700	Sft
			2	12	5			120	Sft
	Room under ramp		2	16	5			160	Sft
			2	8	5			80	Sft
	Under ramp		2	50	5			500	Sft
			1	8	5			40	Sft
	Ramp		4	50	5			1000	Sft
	Ent/Stair		3	20	5			300	Sft
			2	24	5			240	Sft
	1st Floor								
	Specialist								

	Doctor room		2	16	5			160	Sft
			2	18	5			180	Sft
	Toilet		2	4	7			56	Sft
			2	6	7			84	Sft
			2	5	7			70	Sft
			2	4	7			56	Sft
	Dirty		2	10	5			100	Sft
			2	10	5			100	Sft
	Doctor		6	12	5			360	Sft
			2	18	5			180	Sft
	Toilet		6	4	7			168	Sft
			6	6	7			252	Sft
	Waiting		2	12	5			120	Sft
			2	18	5			180	Sft
	3 W.C.		6	5	7			210	Sft
			6	4	7			168	Sft
			1	16	7			112	Sft
	Ver		2	67	5			670	Sft
			1	8	5			40	Sft
	Private room								
	P. Room		2	12	5			120	Sft
			2	18	5			180	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	P. Room		4	10	5			200	Sft
			4	18	5			360	Sft
			4	6	5			120	Sft
	Toilet		4	6	7			168	Sft
			4	8	7			224	Sft
	P. Room		4	10	5			200	Sft
			4	18	5			360	Sft
			4	6	5			120	Sft
	Toilet		4	6	7			168	Sft
			4	8	7			224	Sft
	Doctor Room		2	12	5			120	Sft
			2	18	5			180	Sft
	Toilet		2	4	7			56	Sft
			2	6	7			84	Sft
	Nursing		2	11	5			110	Sft
			2	12	5			120	Sft
	Store		2	7	5			70	Sft
			2	7	5			70	Sft
	Toilet		2	5	7			70	Sft
			2	7	7			98	Sft
	20 beded ward		2	56.5	5			565	Sft
			2	18	5			180	Sft
	Lav		8	4.5	7			252	Sft
			8	5	7			280	Sft
			4	4.25	7			119	Sft
			4	5	7			140	Sft
			2	14	7			196	Sft
			2	8	7			112	Sft
	P. Room		2	12	5			120	Sft
			2	18	5			180	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	P. Room		8	10	5			400	Sft
			8	18	5			720	Sft
			8	6	5			240	Sft
	Toilet		8	6	7			336	Sft
			8	8	7			448	Sft
	Corridor left side		2	82	5			820	Sft
			3	8	5			120	Sft
	Corridor right side		2	70	5			700	Sft
			3	8	5			120	Sft
	Waiting		2	14	5			140	Sft
			2	18	5			180	Sft

	Ent/stair		2	20	5			200	Sft
			2	24	5			240	Sft
	Main corridor		2	100	5			1000	Sft
			2	12	5			120	Sft
	Specialist O.P.D.								
	Waiting		2	14	5			140	Sft
			2	18	5			180	Sft
	Lab		2	12	5			120	Sft
			2	18	5			180	Sft
	Doctor		2	12	5			120	Sft
			2	18	5			180	Sft
	Waiting		1	10	5			50	Sft
			2	11	5			110	Sft
	Dress and Toilet		2	10	7			140	Sft
			4	7	7			196	Sft
	Doctor		2	12	5			120	Sft
			2	18	5			180	Sft
	Exam		2	8	5			80	Sft
			2	11	5			110	Sft
	Bath		2	8	7			112	Sft
			2	7	7			98	Sft
	Store		2	15	5			150	Sft
			2	8.75	5			88	Sft
	Corridor		2	60	5			600	Sft
			1	8	5			40	Sft
							Total: -	**43899**	**Sft**
7	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick								
	Same Qty as Item No. 5							**43899**	**Sft**
8	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 600mm x600 mm								
	Ground Floor								
	Specialist OPD								
	X-Ray Dilevery		2	16	5			160	Sft
			2	8	5			80	Sft
	X-Ray Room		2	16	5			160	Sft
			2	18	5			180	Sft
	Lobby		2	16	5			160	Sft
			2	16	5			160	Sft
	D-Room		2	10	5			100	Sft
			2	10	5			100	Sft
	Lobby and film store		4	6	5			120	Sft
			2	10	5			100	Sft
	Doctor Room		6	12	5			360	Sft
			6	18	5			540	Sft
	Waiting Room		2	12	5			120	Sft
			2	18	5			180	Sft
	C.M.O Room		2	12	5			120	Sft
			2	16	5			160	Sft
	M.S Room		2	14	5			140	Sft
			2	16	5			160	Sft
	Verandah		2	51	5			510	Sft
	Exam and waiting		1	10.5	5			53	Sft
			2	10	5			100	Sft
	Gyne Department								
	Labour Room		2	14	5			140	Sft
			2	18	5			180	Sft
	Lobby		2	7	5			70	Sft
			2	11	5			110	Sft
	Recovery		2	12	5			120	Sft
			2	18	5			180	Sft
	10 beded ward		2	36	5			360	Sft
			2	18	5			180	Sft
	APWMO Room		2	13	5			130	Sft
			2	18	5			180	Sft

	Exm	2	6	5			60	Sft
		2	9.58	5			96	Sft
	WMO	2	12	5			120	Sft
		2	18	5			180	Sft
	Waiting Room	1	13	5			65	Sft
		2	11	5			110	Sft
	WMO Room	2	13	5			130	Sft
		2	18	5			180	Sft
	Exm	2	8	5			80	Sft
		2	11.58	5			116	Sft
	Gyne specialist	2	13.5	5			135	Sft
		2	18	5			180	Sft
	Store	2	7	5			70	Sft
		2	8	5			80	Sft
	Lobby and corridor	2	85	5			850	Sft
		5	8	5			200	Sft
	Female and Peads wards							
	Nursing	2	11	5			110	Sft
		2	12	5			120	Sft
	Store	2	7	5			70	Sft
		2	7	5			70	Sft
	20 beded ward	2	56.5	5			565	Sft
		2	18	5			180	Sft
	Duty Doctor	2	10	5			100	Sft
		2	13	5			130	Sft
	Semi Sterlize	2	15	5			150	Sft
		2	8.25	5			83	Sft
	Nursing	2	15.75	5			158	Sft
		2	9	5			90	Sft
	Super ster	2	8	5			80	Sft
		2	8.25	5			83	Sft
	6 beded ward	2	38	5			380	Sft
		2	18	5			180	Sft
	Corridor	2	85	5			850	Sft
		3	8	5			120	Sft
	Ent/Stair	2	20	5			200	Sft
		2	24	5			240	Sft
	Emergency Department							
	Lobby	2	20	5			200	Sft
		2	18	5			180	Sft
		2	13	5			130	Sft
		2	10	5			100	Sft
	Doctor Room	2	12	5			120	Sft
		2	12	5			120	Sft
	5 beded ward	2	22	5			220	Sft
		2	12	5			120	Sft
	O.T.	2	16	5			160	Sft
		2	18	5			180	Sft
	Recpt	2	10	5			100	Sft
		2	12	5			120	Sft
	Doctor Room	2	12.5	5			125	Sft
		2	12	5			120	Sft
		2	12	5			120	Sft
		2	16	5			160	Sft
		1	6	5			30	Sft
		2	8	5			80	Sft
	Anesthetist	2	11	5			110	Sft
		2	8	5			80	Sft
	Scrub up	2	11	5			110	Sft
		2	8	5			80	Sft
	Ster	2	10	5			100	Sft
		2	8	5			80	Sft
	Lobby and corridor	2	35	5			350	Sft
		3	6	5			90	Sft
	Main corridor	2	170	5			1700	Sft
		2	12	5			120	Sft
	Room under ramp	2	16	5			160	Sft

		2	8	5			80	Sft
	Under ramp	2	50	5			500	Sft
		1	8	5			40	Sft
	Ramp	4	50	5			1000	Sft
	Ent/Stair	3	20	5			300	Sft
		2	24	5			240	Sft
	1st Floor							
	Specialist							
	Doctor room	2	16	5			160	Sft
		2	18	5			180	Sft
	Dirty	2	10	5			100	Sft
		2	10	5			100	Sft
	Doctor	6	12	5			360	Sft
		2	18	5			180	Sft
	Waiting	2	12	5			120	Sft
		2	18	5			180	Sft
	Ver	2	67	5			670	Sft
		1	8	5			40	Sft
	Private room							
	P. Room	2	12	5			120	Sft
		2	18	5			180	Sft
	P. Room	4	10	5			200	Sft
		4	18	5			360	Sft
		4	6	5			120	Sft
	P. Room	4	10	5			200	Sft
		4	18	5			360	Sft
		4	6	5			120	Sft
	Doctor Room	2	12	5			120	Sft
		2	18	5			180	Sft
	Nursing	2	11	5			110	Sft
		2	12	5			120	Sft
	Store	2	7	5			70	Sft
		2	7	5			70	Sft
	20 beded ward	2	56.5	5			565	Sft
		2	18	5			180	Sft
	P. Room	2	12	5			120	Sft
		2	18	5			180	Sft
	P. Room	8	10	5			400	Sft
		8	18	5			720	Sft
		8	6	5			240	Sft
	Corridor left side	2	82	5			820	Sft
		3	8	5			120	Sft
	Corridor right side	2	70	5			700	Sft
		3	8	5			120	Sft
	Waiting	2	14	5			140	Sft
		2	18	5			180	Sft
	Ent/stair	2	20	5			200	Sft
		2	24	5			240	Sft
	Main corridor	2	100	5			1000	Sft
		2	12	5			120	Sft
	Specialist O.P.D.							
	Waiting	2	14	5			140	Sft
		2	18	5			180	Sft
	Lab	2	12	5			120	Sft
		2	18	5			180	Sft
	Doctor	2	12	5			120	Sft
		2	18	5			180	Sft
	Waiting	1	10	5			50	Sft
		2	11	5			110	Sft
	Doctor	2	12	5			120	Sft
		2	18	5			180	Sft
	Exam	2	8	5			80	Sft
		2	11	5			110	Sft
	Store	2	15	5			150	Sft
		2	8.75	5			88	Sft
	Corridor	2	60	5			600	Sft

			1	8	5			40	Sft
							Total: -	32462	Sft
9	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size,Glossy/Matt/Texture skirting/dado of approved Color and Shade with adhesive bond over 1/2"thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"								
	Toilet		6	4	7			168	Sft
			6	6	7			252	Sft
	Toilet		4	5	7			140	Sft
			4	6	7			168	Sft
	Wash room		2	7	7			98	Sft
			2	7	7			98	Sft
	Lav		8	5	7			280	Sft
			8	5	7			280	Sft
			2	10	7			140	Sft
			2	8	7			112	Sft
	Toilet		4	6	7			168	Sft
			2	8	7			112	Sft
	Toilet		4	6	7			168	Sft
			4	7	7			196	Sft
	Toilet		2	8	7			112	Sft
			2	6	7			84	Sft
	Toilet		2	5	7			70	Sft
			2	7	7			98	Sft
	Lav		8	4.5	7			252	Sft
			8	5	7			280	Sft
			4	4.25	7			119	Sft
			4	5	7			140	Sft
			2	14	7			196	Sft
			2	8	7			112	Sft
	Toilet		2	10	7			140	Sft
			2	5	7			70	Sft
	Toilet		2	8	7			112	Sft
			2	9	7			126	Sft
	Lav		8	5	7			280	Sft
			8	5	7			280	Sft
			2	10	7			140	Sft
			2	8	7			112	Sft
	Both Toilet with vanity		4	11	7			308	Sft
			4	12	7			336	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	Toilet		2	4	7			56	Sft
			2	6	7			84	Sft
			2	5	7			70	Sft
			2	4	7			56	Sft
	Toilet		6	4	7			168	Sft
			6	6	7			252	Sft
	3 W.C.		6	5	7			210	Sft
			6	4	7			168	Sft
			1	16	7			112	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	Toilet		4	6	7			168	Sft
			4	8	7			224	Sft
	Toilet		4	6	7			168	Sft
			4	8	7			224	Sft
	Toilet		2	4	7			56	Sft
			2	6	7			84	Sft
	Toilet		2	5	7			70	Sft
			2	7	7			98	Sft
	Lav		8	4.5	7			252	Sft
			8	5	7			280	Sft
			4	4.25	7			119	Sft
			4	5	7			140	Sft
			2	14	7			196	Sft

			2	8	7			112	Sft
	Toilet		2	6	7			84	Sft
			2	8	7			112	Sft
	Toilet		8	6	7			336	Sft
			8	8	7			448	Sft
	Dress and Toilet		2	10	7			140	Sft
			4	7	7			196	Sft
	Bath		2	8	7			112	Sft
			2	7	7			98	Sft
							Total: -	**11032**	**Sft**
10	P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.								
	Ground Floor								
	Specialist OPD								
	X-Ray Dilevery		1	16	8			128	Sft
	X-Ray Room		1	16	18			288	Sft
	Lobby		1	16	16			256	Sft
	D-Room		1	10	10			100	Sft
	Lobby and film store		1	6	10			60	Sft
	Doctor Room		3	12	18			648	Sft
	Waiting Room		1	12	18			216	Sft
	C.M.O Room		1	12	16			192	Sft
	M.S Room		1	14	16			224	Sft
	Verandah		1	8	51			408	Sft
	Exam and waiting		1	10.5	10			105	Sft
	Gyne Department								
	Labour Room		1	14	18			252	Sft
	Lobby		1	7	11			77	Sft
	Recovery		1	12	18			216	Sft
	10 beded ward		1	36	18			648	Sft
	APWMO Room		1	13	18			234	Sft
	Exm		1	6	9.58			57	Sft
	WMO		1	12	18			216	Sft
	Waiting Room		1	13	11			143	Sft
	WMO Room		1	13	18			234	Sft
	Exm		1	8	11.58			93	Sft
	Gyne specialist		1	13.5	18			243	Sft
	Store		1	7	8			56	Sft
	Lobby and corridor		1	85	8			680	Sft
	Female and Peads wards								
	Nursing		1	11	12			132	Sft
	Store		1	7	7			49	Sft
	20 beded ward		1	56.5	18			1017	Sft
	Duty Doctor		1	10	13			130	Sft
	Semi Sterlize		1	15	8.25			124	Sft
	Nursing		1	15.75	9			142	Sft
	Super ster		1	8	8.25			66	Sft
	6 beded ward		1	38	18			684	Sft
	Corridor		1	85	8			680	Sft
	Main corridor		1	100	12			1200	Sft
	Room under ramp		1	16	8			128	Sft
	Under ramp		1	50	8			400	Sft
							Total: -	**10526**	**Sft**
11	Preparing surface and painting with emulsion paint 3 coats i/c Scraping Ordinary distemper, oil bound distemper, or paint of wall.								
	Ground Floor								
	Specialist OPD								
	X-Ray Dilevery		2	5	6			60	Sft
			2	8	6			96	Sft
	X-Ray Room		2	16	6			192	Sft
			2	18	6			216	Sft
	Lobby		2	16	6			192	Sft
			2	16	6			192	Sft
	D-Room		2	10	6			120	Sft
			2	10	6			120	Sft

	Lobby and film store		4	6	6			144 Sft
			2	10	6			120 Sft
	Doctor Room		6	12	6			432 Sft
			6	18	6			648 Sft
	Toilet		6	4	4			96 Sft
			6	6	4			144 Sft
	Waiting Room		2	12	6			144 Sft
			2	18	6			216 Sft
	C.M.O Room		2	12	6			144 Sft
			2	16	6			192 Sft
	Toilet		4	5	4			80 Sft
			4	6	4			96 Sft
	Verandah		2	51	6			612 Sft
	Exam and waiting		1	10.5	6			63 Sft
			2	10	6			120 Sft
	Gyne Department							
	Labour Room		2	14	6			168 Sft
			2	18	6			216 Sft
	Wash room		2	7	4			56 Sft
			2	7	4			56 Sft
	Lobby		2	7	6			84 Sft
			2	11	6			132 Sft
	Recovery		2	12	6			144 Sft
			2	18	6			216 Sft
	10 beded ward		2	36	6			432 Sft
			2	18	6			216 Sft
	Lav		8	5	4			160 Sft
			8	5	4			160 Sft
			2	10	4			80 Sft
			2	8	4			64 Sft
	APWMO Room		2	13	6			156 Sft
			2	18	6			216 Sft
	Exm		2	6	6			72 Sft
			2	9.58	6			115 Sft
	Toilet		4	6	4			96 Sft
			2	8	4			64 Sft
	Waiting Room		1	13	6			78 Sft
			2	11	6			132 Sft
	Toilet		4	6	4			96 Sft
			4	7	4			112 Sft
	Exm		2	8	6			96 Sft
			2	11.58	6			139 Sft
	Toilet		2	8	4			64 Sft
			2	6	4			48 Sft
	Store		2	7	6			84 Sft
			2	8	6			96 Sft
	Lobby and corridor		2	85	6			1020 Sft
			5	8	6			240 Sft
	Female and Peads wards							
	Nursing		2	11	6			132 Sft
			2	12	6			144 Sft
	Toilet		2	5	4			40 Sft
			2	7	4			56 Sft
	Store		2	7	6			84 Sft
			2	7	6			84 Sft
	20 beded ward		2	56.5	6			678 Sft
			2	18	6			216 Sft
	Lav		8	4.5	4			144 Sft
			8	5	4			160 Sft
			4	4.25	4			68 Sft
			4	5	4			80 Sft
			2	14	4			112 Sft
			2	8	4			64 Sft
	Toilet		2	10	4			80 Sft
			2	5	4			40 Sft
	Semi Sterlize		2	15	6			180 Sft
			2	8.25	6			99 Sft

	Toilet	2	8	4			64	Sft
		2	9	4			72	Sft
	Nursing	2	15.75	6			189	Sft
		2	9	6			108	Sft
	Super ster	2	8	6			96	Sft
		2	8.25	6			99	Sft
	6 beded ward	2	38	6			456	Sft
		2	18	6			216	Sft
	Lav	8	5	4			160	Sft
		8	5	4			160	Sft
		2	10	4			80	Sft
		2	8	4			64	Sft
	Corridor	2	85	6			1020	Sft
		3	8	6			144	Sft
	Ent/Stair	2	20	6			240	Sft
		2	24	6			288	Sft
	Emergency Department							
	Lobby	2	20	6			240	Sft
		2	18	6			216	Sft
		2	13	6			156	Sft
		2	10	6			120	Sft
	Doctor Room	2	12	6			144	Sft
		2	12	6			144	Sft
	Both Toilet with vanity	4	11	4			176	Sft
		4	12	4			192	Sft
	5 beded ward	2	22	6			264	Sft
		2	12	6			144	Sft
	O.T.	2	16	6			192	Sft
		2	18	6			216	Sft
	Recpt	2	10	6			120	Sft
		2	12	6			144	Sft
	Doctor Room	2	12.5	6			150	Sft
		2	12	6			144	Sft
		2	12	6			144	Sft
		2	16	6			192	Sft
		1	6	6			36	Sft
		2	8	6			96	Sft
	Toilet	2	6	4			48	Sft
		2	8	4			64	Sft
	Anesthetist	2	11	6			132	Sft
		2	8	6			96	Sft
	Scrub up	2	11	6			132	Sft
		2	8	6			96	Sft
	Ster	2	10	6			120	Sft
		2	8	6			96	Sft
	Lobby and corridor	2	35	6			420	Sft
		3	6	6			108	Sft
	Main corridor	2	170	6			2040	Sft
		2	12	6			144	Sft
	Room under ramp	2	16	6			192	Sft
		2	8	6			96	Sft
	Under ramp	2	50	6			600	Sft
		1	8	6			48	Sft
	Ramp	4	50	6			1200	Sft
	Ent/Stair	3	20	6			360	Sft
		2	24	6			288	Sft
	1st Floor							
	Specialist							
	Doctor room	2	16	6			192	Sft
		2	18	6			216	Sft
	Toilet	2	4	4			32	Sft
		2	6	4			48	Sft
		2	5	4			40	Sft
		2	4	4			32	Sft
	Dirty	2	10	6			120	Sft
		2	10	6			120	Sft
	Doctor	6	12	6			432	Sft

		2	18	6			216	Sft
	Toilet	6	4	4			96	Sft
		6	6	4			144	Sft
	Waiting	2	12	6			144	Sft
		2	18	6			216	Sft
	3 W.C.	6	5	4			120	Sft
		6	4	4			96	Sft
		1	16	4			64	Sft
	Ver	2	67	6			804	Sft
		1	8	6			48	Sft
	Private room							
	P. Room	2	12	6			144	Sft
		2	18	6			216	Sft
	Toilet	2	6	4			48	Sft
		2	8	4			64	Sft
	P. Room	4	10	6			240	Sft
		4	18	6			432	Sft
		4	6	6			144	Sft
	Toilet	4	6	4			96	Sft
		4	8	4			128	Sft
	P. Room	4	10	6			240	Sft
		4	18	6			432	Sft
		4	6	6			144	Sft
	Toilet	4	6	4			96	Sft
		4	8	4			128	Sft
	Doctor Room	2	12	6			144	Sft
		2	18	6			216	Sft
	Toilet	2	4	4			32	Sft
		2	6	4			48	Sft
	Nursing	2	11	6			132	Sft
		2	12	6			144	Sft
	Store	2	7	6			84	Sft
		2	7	6			84	Sft
	Toilet	2	5	4			40	Sft
		2	7	4			56	Sft
	20 beded ward	2	56.5	6			678	Sft
		2	18	6			216	Sft
	Lav	8	4.5	4			144	Sft
		8	5	4			160	Sft
		4	4.25	4			68	Sft
		4	5	4			80	Sft
		2	14	4			112	Sft
		2	8	4			64	Sft
	P. Room	2	12	6			144	Sft
		2	18	6			216	Sft
	Toilet	2	6	4			48	Sft
		2	8	4			64	Sft
	P. Room	8	10	6			480	Sft
		8	18	6			864	Sft
		8	6	6			288	Sft
	Toilet	8	6	4			192	Sft
		8	8	4			256	Sft
	Corridor left side	2	82	6			984	Sft
		3	8	6			144	Sft
	Corridor right side	2	70	6			840	Sft
		3	8	6			144	Sft
	Waiting	2	14	6			168	Sft
		2	18	6			216	Sft
	Ent/stair	2	20	6			240	Sft
		2	24	6			288	Sft
	Main corridor	2	100	6			1200	Sft
		2	12	6			144	Sft
	Specialist O.P.D.							
	Waiting	2	14	6			168	Sft
		2	18	6			216	Sft
	Lab	2	12	6			144	Sft
		2	18	6			216	Sft

	Doctor		2	12	6			144	Sft
			2	18	6			216	Sft
	Waiting		1	10	6			60	Sft
			2	11	6			132	Sft
	Dress and Toilet		2	10	4			80	Sft
			4	7	4			112	Sft
	Doctor		2	12	6			144	Sft
			2	18	6			216	Sft
	Exam		2	8	6			96	Sft
			2	11	6			132	Sft
	Bath		2	8	4			64	Sft
			2	7	4			56	Sft
	Store		2	15	6			180	Sft
			2	8.75	6			105	Sft
	Corridor		2	60	6			720	Sft
			1	8	6			48	Sft
							Total: -	**43377**	**Sft**
12	P/F Of U-PVC Door I/C Chowkat Framed 70Mm Casement Frame For Openable Delux / White With Multi Locking System, Special Uv Resistent Profile With Titanium Dioxide Belgium (Deceuninck) Made Complete In All Respect As Approved And Directed by the Engineer Incharge.								
	D-5 Bath / Toilets		29	2.5	7			**508**	**Sft**
13	Removing door with chowkat.								
								54	**No.**
14	Removing windows and sky lights with chowkat.								
								89	**No.**
15	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.								
	D-2		4	5	8.5			170	Sft
	D-3		4	4	7			112	Sft
	D-4		6	3.5	7			147	Sft
							Total: -	**429**	**Sft**
16	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		16	8	6			768	Sft
	W-2		5	6	6			180	Sft
	W-3		5	5	6			150	Sft
	W-5		38	3	6			684	Sft
	CW-1		3	10	2			60	Sft
	CW-2		5	6	2			60	Sft
	CW-3		17	3	2			102	Sft
							Total: -	**2004**	**Sft**
17	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.								
	Same Qty as above		2004					**2004**	**Sft**
18	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 1/2" Squar Bars								
	Same Qty as above							**2004**	**Sft**
19	Providing and fixing 2" wide MS Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge 15 " wide								
	D-3		4	4	7			112	Sft
	D-4		7	3.5	7			172	Sft
							Total: -	**284**	**Sft**

20	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge Oak/Ash wood Door 1-1/2" thick (40 mm)								
	D-3		4	3.75	6.875			103	Sft
	D-4		7	3.25	6.875			156	Sft
							Total: -	**259**	**Sft**
21	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge (Non-Skid Chequred Tiles) 300mmx300mm								
			1	12	18			216	Sft
			1	8	6			48	Sft
			3	18	6			324	Sft
							Total: -	**588**	**Sft**
22	Dismantling 2nd class tile roofing.								
			1	180.25	46.25			8337	Sft
			1	24	69.75			1674	Sft
			1	147.125	27.5			4046	Sft
							Total: -	**14057**	**Sft**
	Deduction		1	71.125	19.125			-1360	Sft
			1	24	8			-192	Sft
							Total: -	**12505**	**Sft**
	Take 50% Qty		1	12505	50%			**6253**	**Sft**
23	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.								
	Same Qty as Above Item							**6253**	**Sft**
24	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
								30	**No.**
25	Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) or Equivalent i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge								
								325	**No.**
26	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect. Deodar wood architrave								
	D-3		4	4	7			112	Sft
	D-4		7	3.5	7			172	Sft
							Total: -	**284**	**Sft**
27	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.								
								18	**No.**
28	P/F Glazed earthen ware W.C squater type (Orisa pattern) (ICL 4006 Brand) complete in all respect as approved by the Engineer Incharge.								
								15	**No.**
29	Providing And Fitting White Glazed earthenware Wash Hand Basins (22" x 16") (56 cm x 40 cm) with padestal (ICL Freegate Brand) (22" X 16"), Including Bracket Set, Waste Pipe And Waste Coupling, Etc. Colour With Pedestal As Approved And Directed By The Engineer In Charge.								
								14	**No.**
30	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)								
			30	28.5				**855**	**Rft**
31	Providing and installing P.V.C. bends, of B.S.S. Class `B' working pressure 4" i/d (100 mm)								
			30	2				**60**	**No.**
32	Providing and installing P.V.C. tees, of B.S.S. Class `B' working pressure 4" i/d (100 mm)								
			30					**30**	**No.**
33	P/F of UPVC wall paneling UPVC section like plank, beading gola, angle gola 200 mm wide 9mm thick designed grooved planks fixed with inter locking system nails scew on existing wall produced in plumbs using wooden strips (Anti termite) i/c carriage of material from market to site work complete in all respect as approved/ directed by the Engineer Incharge								
	W.M.O Office		2	12	11			264	Sft
			2	18	11			396	Sft
	W.M.O Office		2	13	11			286	Sft

			2	18	11			396	Sft
	Gyne Specialist		2	13.5	11			297	Sft
			2	18	11			396	Sft
	Duty Doctor		2	10	11			220	Sft
			2	13	11			286	Sft
	M.S.		2	14	11			308	Sft
			2	16	11			352	Sft
							Total: -	**3201**	**Sft**
34	Construction of Reception Counter Brick Masonry Structure 3.5' height from ground level consisting of marble granite and kitchen cabnit 22" deep with back Complete in all Respect.								
	Ground Floor								
	for Ward		4	12	2.5			120	Sft
	Nursing Station		5	8	2.5			100	Sft
	First Floor								
	Wards		1	12	2.5			30	Sft
	Nursing Station		2	8	2.5			40	Sft
							Total: -	**290**	**Sft**
35	P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.								
			412	4				**1648**	**Rft**
36	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 two coats.								
			2	181.75	5			1818	Sft
			2	47.75	5			478	Sft
			2	83.125	5			831	Sft
			1	64.75	5			324	Sft
	Emergency Back Side		1	52.75	5			264	Sft
	Ramp		2	69.75	5			698	Sft
			1	16	5			80	Sft
			1	24	5			120	Sft
			2	29	5			290	Sft
			2	35.625	5			356	Sft
			2	17.125	5			171	Sft
			1	91.375	5			457	Sft
			6	251	5			7530	Sft
			2	276	5			2760	Sft
			1	524	5			2620	Sft
							Total: -	**18797**	**Sft**
37	P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.								
	X-Ray Room		2	16	11			352	Sft
			2	18	11			396	Sft
			1	16	18			288	Sft
	X-Ray Dilivery		2	16	11			352	Sft
			2	8	11			176	Sft
			1	16	8			128	Sft
	Dark Room		4	10	11			440	Sft
			1	10	10			100	Sft
	Film Store		2	6	11			132	Sft
			2	5	11			110	Sft
			1	6	5			30	Sft
							Total: -	**2504**	**Sft**
38	P/F Of Antistatic Antibacterial Vinyl Flooring With Fixation On floor I/C Carriage Of Material From Market To Site Of Work Complete In All Respect As Approved/ Directed By The Engineer Incharge								
	Ground Floor								
	O.T		1	16	18			288	Sft
	Gyne		1	13.5	18			243	Sft
	Labour Room		1	14	18			252	Sft
	Recovery room		1	12	18			216	Sft
							Total: -	**999**	**Sft**

39	P/L Sunny Grey Marble 1/2" To 3/8" Thick Laid On Top Of Parapit At 2Nd And 3Rd Floor Of Width 1.25" Laid With 1:2 Cement Sand Mortor, Providing 3/8" Thick Slope Inside Without Rubbing But Also Include Filling Of Joint Projected Outside 1/2" Complete In All Respected As Approved Directed By The Engineer Incharge								
			4	181.75	1.5			1091	Sft
			4	47.75	1.5			287	Sft
			4	83.125	1.5			499	Sft
			2	64.75	1.5			194	Sft
	Emergency Back Side		2	52.75	1.5			158	Sft
	Ramp		4	69.75	1.5			419	Sft
			2	16	1.5			48	Sft
			2	24	1.5			72	Sft
			2	29	1.5			87	Sft
			2	35.625	1.5			107	Sft
			2	17.125	1.5			51	Sft
			1	91.375	1.5			137	Sft
			6	251	1.5			2259	Sft
			2	276	1.5			828	Sft
			1	524	1.5			786	Sft
							Total: -	**7023**	**Sft**
40	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.								
			4	13				52	Rft
							Total: -	**52**	**Rft**
41	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed , complete in all respect as approved and directed by the Engineer Incharge 3/4" thick								
			6	6	2			**72**	**Sft**
42	Providing and fitting glazed earthen ware Under Counter Vanity Basin waste pipe and waste coupling, etc.								
			2	6				**12**	**No.**
43	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.								
			2	6				**12**	**No.**
44	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower,waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge.								
								20	**No.**
45	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.								
								13	**No.**
46	Providing And Fitting Low Down Flushing Cistern 13.63 Litres (3 Gallons) Capacity, Plastic (Master or Eq. Made) Including Bracket Set, Copper Connection, Etc Complete In All Respect As Approved And Directed By The Engineer In Charge.								
								15	**No.**
47	Providing and fixing CP double Bib Cock, made of Sonex/Master/Faisal complete in all respect as approved and directed by the Engineer incharge.								
								32	**No.**
48	Providing and fixing CP Muslim showe made of Sonex/Master/Faisal complete in all respect as approved and directed by the Engineer incharge.								
								18	**No.**
49	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)								
			27	20				**540**	**Rft**
50	Providing and fitting "P" trap 10 cm (4") glazed								
			1	40				**40**	**No.**
51	P/F Stainless Steel Grating (Jali) 6"X6" For Floor Trap Complete In All Respect As App By The Engineer Incharge								
			1	35				**35**	**No.**

52	S/E of Emergency Exit logo light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.								
			1	5				**5**	**No.**
53	S/E of Emergency Warning light 8 Watt best quality complete in all respect as approved and directed by the Engineer Incharge.								
			1	50				**50**	**No.**
54	Supply & errection of Wall Bracket fan plastic body 18" size GFC / Pak Fan made i/c fitting and making electric connection complete in all respect as approved by the Engineer Incharge.								
			1	150				**150**	**No.**
55	P/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.								
			1	110				**110**	**No.**
56	P/F Of Gang Plate 8 To 10 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.								
			1	50				**50**	**No.**
57	S/E of Power Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.								
			1	40				**40**	**No.**
58	P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.								
			1	790				**790**	**No.**
59	P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.								
			1	160				**160**	**No.**
60	P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.								
			1	210				**210**	**No.**
61	Electrification + Public Health + Sui Gas (Plinth Area Rates 2nd Bi Annual 2021 Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 1st July 2021 to 31st December 2021								
	Ground Floor Covered Area							17000	Sft
	Deduction already revamp by IDAP		1	86	27.75			-2387	Sft
			1	15.5	46.625			-723	Sft
							Total: -	**13890**	**Sft**
	Deduction of Old Material								
1	Old Doors with Chowkat								
	Same Qty as per Item No. 13							54	No.
2	Old Windows								
	Same Qty as per Item No. 14							89	No.
3	Tiles 9"x4-1/2"x1-1/2"								
	Take 70% Qty as per Item No. 22	1	6253	70%		4377	Sft		
	In Numbers	1	4377	3.7				16195	No.
4	Tile Bats								
	Take 30% Qty as per Item No. 22	1	6253	30%		1876	Sft		
		1	6253	0.125				782	Cft
5	Electric Cables (Unserviceable)								
								1	Job

Sub Divisional Officer
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

PROVISION OF PANEL BOARDS I/C ELECTRIC CABLES

(41)

Sr. No.	Description	Qty	Unit	Rate	Amount
1	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (3'X4'X12") With Suplying,Installation,Testing And Commissioning Of 415-Volt ,4 Pole (Tp+N) Compact Copper Busway (Bus Tie Duct B.T.D) Of Specified Size/Rating Comprising Of 10 Mm Thick Sandwitch Copper Bus Bars,Insulated With Nonflammable/Flame Resistant Resin Applied At 130 Oc By Automatic Electrostatic Application With Mayler Class-B, Housed In Aluminium Housing I/C The Cost Of Hangers, Accessories,Enclosures Ip55, Iec 61439-1, Complete In All Respect,Spaced To A Minimum Reducing Reactance As Approved & Directed By The Engineer Incharge 630 Amp Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (600 Amp) Outgoing: - 2 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (400 Amp).	1	Each	381750	381750
2	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12") Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (600 Amp) Outgoing: - 6 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (200 Amp).	4	Each	277900	1111600

3	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12") Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (200 Amp). Outgoing: - Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Single Pole 6-40 Amp (6 Ka) (15 No. 6 Amp & 20 No. 20 Amp) = 35 Nos	4	Each	128450	513800
4	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12") Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (125 Amp). Outgoing: - Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Single Pole 6-40 Amp (6 Ka) (15 No. 6 Amp & 20 No. 20 Amp) = 35 Nos	8	Each	128450	1027600
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.62 mm (37/0.103")	350	P. Mtr	22982.95	8044033
6	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.11 mm (37/0.083")	380	P. Mtr	15051.9	5719722
7	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/1.63 mm (19/0.064")	280	P. Mtr	5606.6	1569848
8	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.63 mm (7/0.064")	170	P. Mtr	2154.75	366308
9	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.12 mm (7/0.044")	210	P. Mtr	870.8	182868
10	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 6" i/d (150 mm)	350	P. Mtr	2476.5	866775

11	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)	1040	P. Mtr	1255.2	1305408
12	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.	6839	%0Cft	6204	42429
13	Construction of Panel Room on Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1120/D, Dated 09.07.2021 for 2nd Bi Annual Period 2021 (1st July 2021 to 31st Dec 2021) Rate (2838+160) = **@ Rs. 2998 P. Sft**	182	P. Sft	2998	545636
				Total: -	**21677777**
				Add 3% Contingency except Item No. 13 on Rs. 21132141/-: -	**633964**
				Total: -	**22311741**
				Say: -	**22311700**

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PROVISION OF PANEL BOARDS I/C ELECTRIC CABLES

(44)

Sr. No.	Description	Qty	
1	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (3'X4'X12") With Suplying,Installation,Testing And Commissioning Of 415-Volt ,4 Pole (Tp+N) Compact Copper Busway (Bus Tie Duct B.T.D) Of Specified Size/Rating Comprising Of 10 Mm Thick Sandwitch Copper Bus Bars,Insulated With Nonflammable/Flame Resistant Resin Applied At 130 Oc By Automatic Electrostatic Application With Mayler Class-B, Housed In Aluminium Housing I/C The Cost Of Hangers, Accessories,Enclosures Ip55, Iec 61439-1, Complete In All Respect,Spaced To A Minimum Reducing Reactance As Approved & Directed By The Engineer Incharge 630 Amp Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (600 Amp) Outgoing: - 2 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (400 Amp).	1	No.
2	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12") Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 300-630 Amp(36 Ka) (600 Amp) Outgoing: - 6 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (200 Amp).	4	No.
3	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12") Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (200 Amp). Outgoing: - Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Single Pole 6-40 Amp (6 Ka) (15 No. 6 Amp & 20 No. 20 Amp) = 35 Nos	4	No.

4	P/F Wall Mounted Db (Distribution Board) Made With 16Swg Sheet (Recessded/Surface Mounted Type), Powder Coated Paint, I/C The Cost Of Lock, Indication Lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter Selector Switch,Current Transformers And Controles Complete In All Respect As Approved And Directed By The Engineer Incharge (Breakers Will Be Paid Separately) 12" Deep 160~200A (2'X3'X12"). Incoming: - 1 No: Supplying ,Installation And Commissioning Of Mccb (Moulded Case Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany / Terasaki Japan/Siemen/Abb Switzerland (With Fixed Thermal-Magnetic Trip) In Prelaid Dbs And Panels I/C The Cost Of Screws, Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge. Tripple Pole 125-250 Amp(18 Ka) (125 Amp). Outgoing: - Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of						8	No.
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.62 mm (37/0.103")						350	Mtr
6	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 37/2.11 mm (37/0.083")						380	Mtr
7	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/1.63 mm (19/0.064")						280	Mtr
8	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.63 mm (7/0.064")						170	Mtr
9	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable 7/1.12 mm (7/0.044")						210	Mtr
10	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 6" i/d (150 mm)						350	Mtr
11	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with `B' Class working pressure pipe, in trenches, complete in all respects 4" i/d (100 mm)						1040	Mtr
12	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.							
	(350+380+280+170+210)x3.28	1	4559	1	1.5		6839	Cft
13	Construction of Panel Room on Plinth Area Rates Notified Vide Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/2346-50/D, Dated 15.12.2021 for 1st Bi Annual Period 2022 (1st January 2022 to 30th June 2022)							
		1	13.5	13.5			182	Sft

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ABSTRACT OF COST

CONSTRUCTION OF ROOM FOR FILTERATION PLANT & CHILLER

MRS, 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022) DISTRICT ATTOCK

Sr No	Description	Amount
1	Construction of Room for Filteration Plant	3714100
2	Electric Installation	71100
3	Detail of Water Suppy Network	1544800
	G.Total :	**5330000**
	Add 3% Contingency:	**159900**
	G.Total :	**5489900**

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ABSTRACT OF COST

CONSTRUCTION OF ROOM FOR FILTERATION PLANT & CHILLER

(47)

Sr No	Description	Qty	Unit	Rate	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in Hard soil.	1375	%0Cft	8727.85	12001
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12	366	%Cft	15127.50	55367
3	Pacca brick work in foundation and plinth in Ratio 1:6	662	%Cft	25310.55	167556
4	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)	94	P.Cft	338.7	31838
5	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick	89	%Sft	6597.85	5872
6	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ratio 1:4 ½" thick	129	%Sft	4214.5	5437
7	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6	1083	%Cft	27100.45	293498
8	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio	664	P.Cft	460.15	305540
9	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 reinforcement (also includes removal of rust from bars) deformed bars Grade-40.	2321	%Kg	25957.10	602464
10	Cement plaster 1:5 upto 20' height ½" thick	1177	%Sft	2479.2	29180
11	Cement plaster 1:4 upto 20' height ½" thick	1353	%Sft	2582.9	34953
12	Providing and laying high density single profile spanish glazed tappered barrel type of 4"- 5-1/2" dia Terra Cotta Khaprail Tile dipped or sealed with a water repellent, with Terra Cotta base plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping roof over 1/2" thick (1:3) cement sand mortar i/c cost of all material and labour complete in all respect as approved and directed by the Engineer Incharge.	742	P.Sft	98.8	73282
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio	615	%Sft	2949.7	18137
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc	917	%0Cft	4197.6	3849
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile	0	%0Cft	15177.05	0

16	Supplying and filling sand under floor; or plugging in wells.	152	%Cft	2503.20	3805
17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects	218	%Cft	6301.3	13737
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4	74	%Cft	28284.95	20931
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels (c) 1½"(40 mm) thick	328	%Sft	5516.75	18095
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick	197	P.Rft	15.85	3122
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.	90	P.Sft	1365.45	122891
22	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm) (1103.25 - 260.40)	34	P.Sft	1579.3	53696
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 400 mm x 400 mm	460	P.Sft	260.55	119853
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 400 mmX400 mm	104	P.Sft	260.55	27097
25	Distempering new surface two coats with primary coat of chalk	1177	%Sft	1125.45	13247
26	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 coat	1508	%Sft	4685.25	70665
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	8	P. Sft	171.9	1375
28	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	8	P. Sft	410.7	3286

29	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement ½"(13 mm) thick	142	%Sft	16630	23615
30	P/f of Filtration Plant of SOSAFE i/c all accessories as per specifications, pressure sand filter ss-24 1 no., jumbo sediment filter 20" (5 micron) gac-20(Activated carbon purifier) jumbo sediment filter 20" (1 micron) chlorine dosing system, Uf membranes, water collecting point, stainless steel header (SS 304) with 6 Nos water taps, UPVC face piping from sand Fiter to UF membranes 1 job as directed/approved by Engineer Incharge.	1	P.Job	1579700	1579700
				Total	**3714089**
				Say	**3714100**

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CONSTRUCTION OF ROOM FOR FILTERATION PLANT & CHILLER

MRS, 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022) DISTRICT ATTOCK

S.#	Description	N	L	B	H	Qty	Unit
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.						
	H/Wall	3	24.125	3	3	651	Cft
	V/Wall	2	18.125	3	3	326	Cft
		2	3.125	3	3	56	Cft
						1033	**Cft**
	P.P	2	26.75	1.5	2	161	Cft
		2	30.125	1.5	2	181	Cft
						342	**Cft**
					Total	**1375**	**Cft**
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6: 12						
	H/Wall	3	24.125	3	0.75	163	Cft
	V/Wall	2	18.125	3	0.75	82	Cft
		2	3.125	3	0.75	14	Cft
	P.P	2	26.75	1.5	0.333	27	Cft
		2	30.125	1.5	0.3333	30	Cft
		1	22.25	4.5	0.5	50	Cft
					Total	**366**	**Cft**
3	Pacca brick work in foundation and plinth in Ratio 1:6						
	H/Wall	3	23.375	2.25	0.25	39	Cft
		3	23	1.875	0.25	32	Cft
		3	22.625	1.5	0.25	25	Cft
		3	22.25	1.125	3	225	Cft
	V/Wall	2	16.875	2.25	0.25	19	Cft
		2	17.25	1.875	0.25	16	Cft
		2	17.625	1.5	0.25	13	Cft
		2	18	1.125	3	122	Cft
	V/Wall Veranda	2	3.875	2.25	0.25	4	Cft
		2	4.25	1.875	0.25	4	Cft
		2	4.625	1.5	0.25	3	Cft
		2	5	1.125	3	34	Cft
	steps	1	22.25	4.5	0.5	50	Cft
		1	22.25	3.375	0.5	38	Cft
		1	22.25	2.25	0.5	25	Cft
		1	22.25	1.125	0.5	13	Cft
					Total	**662**	**Cft**
4	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)						
	P/Beam H/Wall	3	22.125	1.125	0.75	56	Cft
	V/Wall	2	18	1.125	0.75	30	Cft
		2	5	1.125	0.75	8	Cft
					Total	**94**	**Cft**
5	Providing and laying damp proof course of cement concrete 1:2: 4 including bitumen coating with one coat bitumen and one coat polythene sheet 500gauge 1.5" thick						
		2	22.25	1.125		50	Sft
		2	18	1.125		41	Sft
		3	1.125	1.125		4	Sft
					Total	**95**	**Sft**
	D/d	1	5	1.125		6	Sft
					Total	**89**	**Sft**
6	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating with one coat of bitumen and one coat of polythene sheet 500 gauge ½" thick						
		2	18	1.5		54	Sft
		2	20	1.5		60	Sft
		2	5	1.5		15	Sft
					Total	**129**	**Sft**

7	Pacca brick work in ground floor with cement, sand mortar Ratio 1:6						
	H/Wall	2	22.25	1.125	12	601	Cft
	V/Wall	2	18.25	1.125	12	493	Cft
	Above	1	22.25	1.125	3.5	88	Cft
		2	5	1.125	3.5	39	Cft
	Pillar	3	1.125	1.125	8.5	32	Cft
					Total	**1253**	**Cft**
	Deduction Window	3	5	1.125	6	101	Cft
	Door	1	5	1.125	8.5	48	Cft
	Lintel	1	6	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	**170**	**Cft**
					Net Qty	**1083**	**Cft**
8	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio						
		2	25.25	29.375	0.4167	618	Cft
		1	22.25	1.125	1	25	Cft
		1	6.5	1.125	0.75	5	Cft
		3	6.5	1.125	0.75	16	Cft
					Total	**664**	**Cft**
9	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 reinforcement (also includes removal of rust from bars) deformed bars Grade-40.						
	Same Qty as above	1	94	6.75	0.4536	288	Kg
		1	664	6.75	0.4536	2033	Kg
					Total	**2321**	**Kg**
10	Cement plaster 1:5 upto 20' height ½" thick						
		2	20	12		480	Sft
		2	18	12		432	Sft
		1	20	8		160	Sft
		2	5	3.5		35	Sft
		1	20	3.5		70	Sft
					Total	**1177**	**Sft**
11	Cement plaster 1:4 upto 20' height ½" thick						
	Outer walls	2	22.25	14.5		645	Sft
		2	20.25	14.5		587	Sft
		2	6.125	3.5		43	Sft
		1	22.25	3.5		78	Sft
					Total	**1353**	**Sft**
12	Providing and laying high density single profile spanish glazed tappered barrel type of 4"- 5-1/2" dia Terra Cotta Khaprail Tile dipped or sealed with a water repellent, with Terra Cotta base plate (10"x16"), resistant to salt attack laid with laps and duly interlocked on slopping roof over 1/2" thick (1:3) cement sand mortar i/c cost of all material and labour complete in all respect as approved and directed by the Engineer Incharge.						
		1	25.25	29.375		742	Sft
					Total	**742**	**Sft**
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height 1:3 ratio						
		1	20	18		360	Sft
		1	20	5		100	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	**615**	**Sft**
14	Filling, watering and ramming earth under floors with surplus earth from foundation, etc						
		1375			2/3	**917**	**Cft**
15	Filling, watering and ramming earth under floors with surplus earth from foundation, etc with new earth excavated from outside, 3 mile						
	Room	1	20	18	1.75	630	Cft
	Ver.	1	20	5	1.75	175	Cft
					Total	**805**	**Cft**
	Deduction (from Surplus earth)				(-)	917	Cft
					Total	**0**	**Cft**
16	Supplying and filling sand under floor; or plugging in wells.						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
					Total	**152**	**Cft**

17	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects						
		1	20	18	0.33	119	Cft
		1	20	5	0.33	33	Cft
		2	30.875	2.25	0.25	35	Cft
		2	27.75	2.25	0.25	31	Cft
					Total	**218**	**Cft**
18	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4						
	Floor	1	20	18	0.16	58	Cft
		1	20	5	0.16	16	Cft
					Total	**74**	**Cft**
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 1½"(40 mm) thick						
		2	32.375	3		194	Sft
		2	22.25	3		134	Sft
					Total	**328**	**Sft**
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" thick						
		328			0.6	**197**	**Rft**
21	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1-½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of ¾"x1/8" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect.						
		3	5	6		90	Sft
					Total	**90**	**Sft**
22	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)						
		1	5		6.875	34	Sft
					Total	**34**	**Sft**
23	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 3/4"thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed tiles 400 mm x 400 mm						
		1	20	18		360	Sft
		1	20	5		100	Sft
					Total	**460**	**Sft**
24	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full body Glazed Tile 400 mmX400 mm						
		2	20		0.33	13	Sft
		2	18		0.33	12	Sft
		1	20		4	80	Sft
					Total	**105**	**Sft**
	D/d	1	4.5		0.33	1	Sft
					Total	**104**	**Sft**
25	Distempering new surface two coats with priming coat of chalk						
	Same Qty as per item No. 11					**1177**	**Sft**
26	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect new surface 2 coat						
	Same Qty as per item No. 12					1353	Sft
	Shade	2	29.375	1.5		88	Sft
		2	22.25	1.5		67	Sft
					Total	**1508**	**Sft**
27	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.						
		1	5	1.5		**8**	**Sft**
28	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.						
		1	5	1.5		**8**	**Sft**

29	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing using grey cement ½"(13 mm) thick						
		1	20.25	7		**142**	**Sft**
30	P/f of Filtration Plant of SOSAFE i/c all accessories as per specifications, pressure sand filter ss-24 1 no., jumbo sediment filter 20" (5 micron) gac-20(Activated carbon purifier) jumbo sediment filter 20" (1 micron) chlorine dosing system, Uf membranes, water collecting point, stainless steel header (SS 304) with 6 Nos water taps, UPVC face piping from sand Fiter to UF membranes 1 job as directed/approved by Engineer Incharge.						
		1				1	Job
					Total	**1**	**Job**

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CONSTRUCTION OF ROOM FOR FILTERATION PLANT & CHILLER

ELECTRIC INSTALLATION

Sr No	Description	Qty	Unit	Rate	Amount
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials 3/4" dia	50	P.Rft	69.35	3468
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) 3/0.029	300	P.Rft	20.95	6285
3	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 250/440 volts grade cable (BSS-2004), in prelaid PVC pipes/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/trenches, etc. (rate for cable only) 7/0.036	50	P.Rft	43.5	2175
4	P/F Of Gang Plate 4 To 6 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	2	Each	420	840
5	P/F Of Gang Plate 8 To 10 Holes I/C Box Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	3	Each	500	1500
6	S/E of Power Plug 20Amp complete in all respect as approved and directed by the Engineer Incharge.	2	Each	765	1530
7	P/F Of Switch Single Pole One Way Imported Best Quality Complete In All Respect As Approved And Directed By The Engineer Incharge.	11	Each	185	2035
8	P/F Of Fan Dimmper Of Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	1	Each	410	410
9	P/F Of Socket Three Pin 10/15 Amp Imported Best Quality Complete In All Respect As Approve And Directed By The Engineer In Charge.	4	Each	390	1560
10	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	1	Each	57.15	57
11	Erection of ceiling fan along with regulator all size I/c carriage from local railway station / store to site of work electric wire / cable for suspening rod and board connection & cutting threading on rod where necesssary	1	Each	384.35	384
12	S/E of ceiling fan 56" sweep complete in all respect	1	Each	5000	5000
13	Supply and erection of button holder	4	Each	45.35	181
14	Providing And Fixing M.S. Iron Box For Housing Main Switches, Made Of 1.5 Mm (1/16") Thick M.S. Sheet, With Locking Arrangement, Including Painting 60X35X15 Cm (24"X14"X6") Incoming = 1 No. Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Tripple Pole 6-63 Amp (10 Ka) (60-65 Amp) Out Going: -Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Single Pole 6-40 Amp (6 Ka) (5 No. 6-10 Amp & 2 No. 11-20 Amp) = 7 Nos Led Phase Indicator, Digital Voltmeter (0-600 Volt) & Digital Ammeter (0-9999 Amp)	1	Each	43400	43400
15	Supply and erection of 3 pin 10/15 Amp. wall socket with shoe, open type.	4	Each	188.9	756
16	S/E Of Led Light (08 Watts) Of Approved Manufacturer Complete In All Respect As Approved & Directed By The Engineer Incharge.	4	Each	390	1560
				Total	**71141**
				Say	**71100**

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DETAIL OF WATER SUPPLY NETWORK FOR FILTRATION PLANT

ABSTRACT OF COST

S.No	Description	No	L	B	H	Qty	Rate	Unit	Amount
1	Excavation in trenches in all kind of soil, except cutting rock, for water supply pipelines upto 5 ft (1.5m) depth from ground level, i/c trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints etc complete in all respect.								
		1	3200	2	2	12800			
					Total	**12800**	6204	%0Cft	79411
2	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) PN-25 pipe (1-1/2") 63 mm								
	From Filteration room to distrubtion line	1200				1200			
					Total	**1200**	324	P.Rft	388800
3	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) PN-25 pipe (1") 40 mm								
		1100				1100			
					Total	**1100**	154.25	P.Rft	169675
4	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) PN-25 pipe (5/8") 25 mm								
		1500				1500			
					Total	**1500**	60.9	P.Rft	91350
5	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned) PN-25 pipe (1/2") 20 mm								
	Point	1000				1000			
					Total	**1000**	44.75	P.Rft	44750
6	Providing and fixing chromium plated bib cock 1.5 cm (½")								
						10	466.2	Each	4662
7	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge 1-1/2" dia								
						20	2077.2	Each	41544
8	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge 1" dia								
						24	1621.2	Each	38909
9	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge 3/4" dia								
						52	1381.2	Each	71822
10	S/E of Electric Water Cooler NESGAS made 65 ltr Capacity (Qutation Attached)					10	61390	Each	613900
								Total	**1544823**
								Say	**1544800**

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RECONSTRUCTION OF BOUNDARY WALL 9" THICK 8' HEIGHT ABOVE PLINTH LEVEL.

S/No	Description	No	Measurements L (ft)	B (ft)	H (ft)	Qty		Rate Rs.	Amount Rs.
1	Dismantling bricks works in cement mortar (MRS)	1	524	0.75	5	1965	%Cft	3500.65	68788
2	Construction of B-Wall 9" thick 8' High above Plinth Level (Plinth Area Rates)	1	524			524	P.Rft	6319.00	3311156
3	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge 2-1/4" x 2-1/4" x 9"	1	524		9.5	4978	P. Sft	160.05	796729
						Total	**Rs**		**4176673**

AFTER DISMANTLING COST OF OLD MATERIAL

i	Bricks 60% useable	1965 1350.000 / 100	0.600	15917	Nos	6900.00 %0Nos		109827
ii	Bricks Bat 40%	1965 40.000 / 100		786	Cft	2875.00 %Cft		22598
					Total	**Rs**		**132425**
					Net Total	**Rs**		**4044248**
					Add 3% Contingency except item No. 2	**Rs**		**21993**
					Total	**Rs**		**4066241**
					Say	**Rs**		**4066200**

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CONSTRUCTION OF RETAINING WALL 6' HEIGHT

(57)

Length Taken 50 Rft.
Unit Rate = P. Rft

1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.								
			1	50	4	2.5	**500**	**Cft**	
				@ Rs.	8727.85	%0Cft			4364
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6:12								
			1	50	4	0.5	**100**	**Cft**	
				@ Rs.	15127.5	%Cft			15128
3	Coursed rubble masonry hammer dressed, in foundation and plinth in cement, sand mortar ratio 1:6 lead upto 20 KM.								
			1	50	2.75	6	**825**	**Cft**	
				@ Rs.	20069.65	%Cft			165575
4	Pointing flush on stone work, upto 20' (6.00 m) height on stone work raised in cement mortar 1:3								
			1	50		6	**300**	**Sft**	
				@ Rs.	3770.15	%Sft			11310
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4								
			1	50	2	0.25	**25**	**Cft**	
				@ Rs.	28284.95	%Cft			7071
							Total: -		**203448**
						Add 3% Contingency: -			6103
							Total: -		**209551**
							Rate P.Rft : -		4191.02
							Say: -		**4191**

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CONSTRUCTION OF GATE AND GATE PILLARS

Sr. No.	Description	No.		L (ft)		B (ft)		H (ft)		Qty.		Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.											
		3	x	4	x	4	x	4	=	192	Cft.	
									=	**192**	**Cft.**	
				@Rs.		8727.85	%oCft.					Rs. 1676/-
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to50 mm) gauge, in foundation and plinth Ratio 1: 6: 12											
		3	x	4	x	4	x	0.5	=	24	Cft.	
									=	**24**	**Cft.**	
				@Rs.		15127.50	%Cft.					Rs. 3631/-
3	Reinforced cement concrete except steel reinforcement (a) rafts / strip foundation, base slab of column etc Ratio (1:2:4).without cost of shuttering.											
		3	x	3	x	3	x	0.75	=	20	Cft.	
		3	x	2.25	x	2.25	x	10.5	=	159	Cft.	
									=	**179**	Cft.	
				@Rs.		338.70	PCft.					Rs. 60627/-
4	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 reinforcement (also includes removal of rust from bars) deformed bars											
						179 x 6.75 x 0.454			=	**548**	**Kg**	
				@Rs.		25957.10	%Kg					Rs. 142245/-
5	Pucca brick work other than buildings upto 10' height, in cement sand mortar (1:4).											
		6	x	3	x	0.375	x	8.5	=	57	Cft.	
		6	x	2.25	x	0.375	x	8.5	=	43	Cft.	
									=	**100**	Cft.	
				@Rs.		27370.55	%Cft.					Rs. 27371/-
6	Providing and laying fair face Gutka cladding laid in (1:2) cement / red posso mortar having 1/4" thick groove finish i/c cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge 2-1/4" x 2-1/4" x 9"											
	2x6	12	x	3			x	8.5	=	306	Sft.	
									=	**306**	Sft.	
				@Rs.		160.05	P. Sft					Rs. 48975/-
8	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement .											
		1	x	12			x	8	=	96	Sft.	
		1	x	4			x	8	=	32	Sft.	
									=	**128**	Sft.	
				@Rs.		2035.9	P.Sft.					Rs. 260595/-
9	Painting to door and windows any type on new surface 3 coats.											
		2	x	12			x	8	=	192	Sft.	
		2	x	4			x	8	=	64	Sft.	
									=	**256**	Sft.	
				@Rs.		2242.30	%Sft.					Rs. 5740/-
										Total	=	**Rs. 550860/-**
						Add 3% Contingency					=	**Rs. 16526/-**
						G.Total					=	**Rs. 567386/-**
										Say,	=	**Rs. 567400/-**

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PROVISION OF EXTERNAL WAITING AREA & PARKING FACILITY

1	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P.C.C (1:2:4) i/c the cost of excavation,cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge 4" dia GI Pipe Supports									
	Parking area.		1	60	20			1200	Sft	
	Waiting area		1	60	20			1200	Sft	
							Total: -	**2400**	**Sft**	
							@ Rs.	**546.15**	**P.Sft**	**1310760**
									Total: -	**1310760**
									Add 3% Contingency: -	**39323**
									Total: -	**1350083**
									Say: -	**1350100**

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ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTERS HOSPITALS ONE AT HAZRO DISTRICT ATTOCK

Sr No	Description	Amount
1	Construction of Manholes (5.5'x5.5' Size)	4938400
2	Sewer Line 18" Dia.	4495000
3	Construction of Septic Tank 36'x12'	1508200
	G.Total :	**10941600**

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CONSTRUCTION OF 85 NO. MAN HOLE OF I/SIZE 5.5'X5.5'

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 0 ft. to 7.0 ft. (0 to 2.10 m) depth									
	Manhole		85	6	6	6		18360	Cft	
			@ Rs.	7272.55	%0Cft					133524
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 4: 8									
	Manhole		85	6	6	0.5		1530	Cft	
			@ Rs.	21814.55	%Cft					333763
3	Pacca brick work in foundation and plinth in Cement, sand mortar ratio 1:6.									
	Manhole		170	5.5	0.75	5.5		3857	Cft	
			170	4	0.75	5.5		2805	Cft	
							Total: -	**6662**	**Cft**	
			@ Rs.	25310.55	%Cft					1686189
4	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4									
			85	4	4	0.25		340	Cft	
			@ Rs.	28284.95	%Cft					96169
5	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height ½" (13 mm) thick									
			340	4	5.25			7140	Sft	
			340	5.5	1.5			2805	Sft	
							Total: -	**9945**	**Sft**	
			@ Rs.	2866.35	%Sft					285059
6	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)									
			85	5.5	5.5	0.5		1286	Cft	
	D/d Manhole Cover		85	2	2	0.5		-170	Cft	
							Total: -	**1116**	**Cft**	
			@ Rs.	338.70	P. Cft					377989
7	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 reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)									
			1	1116	6.75	0.4536		**3417**	**Kg**	
			@ Rs.	25957.10	%Kg					886954
8	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.									
								85	**No.**	
			@ Rs.	13396.80	Each					1138728
									Total: -	**4938375**
									Say: -	**4938400**

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DETAIL OF 18" DIA SEWER LINE

Sr. No.	ITEM OF WORK	No	MEAUSERMENTS			Qty.	Amount
			L	B	H		
	Sewerage						
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 0 ft. to 7.0 ft. (0 to 2.10 m) depth						
	Sewer Line 18" dia Front and Left	1	3093	2.5	4	30930	
					Total	**30930**	
					@ Rs. 7272.55	**%0Cft**	**224940**
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1:6:12						
	Man Hole S. Tank	1	3093	2	0.50	3093	
					Total	**3093**	
					@ Rs. 15127.50	**%Cft**	**467894**
4	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 310 mm (18") i/d						
	Sewer Line 18" dia Front and Left	1	3093			3093	
					Total: -	**3093**	
					@ Rs. 1035.35	**P.Rft**	**3202338**
5	Plain Cement concrete ratio(1:2:4)						
	On Joints	388	2	2	2.25	3492	
					Total	**3492**	
	Deduction 18" Dia Pipe	388	3.1415	0.5625	2.00	1371	
					Net Total	**2121**	
					@ Rs. 28284.95	**%Cft**	**599849**
					Total:		**4495021**
						Say:	**4495000**

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CONSTRUCTION OF 2 NO. SEPTIC TANK 36'X12'

Sr #	Description	No	L	B	H	Qty	Unit	Amount
1	Earth work excavation in open cutting like a man hole sewer line etc 0ft to 7ft depth.							
	Septic tank	2	36	12	10	8640	Ctt.	
					Total:	**8640**	**Cft.**	
	@ Rs.		7272.55		%0Cft			62835
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:6:12.							
	Septic Tank	2	36	12	0.5	432	Cft.	
					Total:	**432**	**Cft.**	
	@ Rs.		15127.50		%Cft			65351
3	Pucca brick work 1:4 other then building.							
	Septic tank	4	35	1.125	8.75	1378	Cft.	
		4	8.75	1.125	8.75	345	Cft.	
	Partition Walls	6	8.75	0.375	7.25	143	Cft.	
					Total:	**1866**	**Cft.**	
	@ Rs.		27370.55		%Cft			510734
4	1/2" thick cement neru plaster 1:2 upto 20ft height.							
	Septic tank	4	32.75	8.75		1146	Sft.	
		4	8.75	8.75		306	Sft.	
		12	8.75	7.25		761	Sft.	
					Total:	**2213**	**Sft.**	
	@ Rs.		2866.35		%Sft			63432
5	PCC 1:2:4 including curring & finishing etc complete.							
	Septic tank	2	32.75	8.75	0.25	143	Cft.	
					Total:	**143**	**Cft.**	
	@ Rs.		28284.95		%Cft			40447
6	Extra cost for making finishing benching in manhole chamber with 1/8" thick cement.							
	Septic tank	2	32.75	8.75		573	Sft.	
					Total:	**573**	**Sft.**	
	@ Rs.		2308.90		%Sft			13230
7	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1: 2: 4)							
	Septic tank	2	35	11	0.75	578	Cft.	
					Total:	**578**	**Cft.**	
	@ Rs.		460.15		P. Cft			265967
8	Fabrication mild steel reinforcement for cement concrete l/c cutting bending laying in position making joints and fastening l/c cost of binding wire and labour charges for binding of steel reinforcement (also included removal of rust form bars) Deformed bar Grade 40.							
		1	578	6.75	0.4536	1770	Kg's	
					Total:	**1770**	**Kg's**	
	@ Rs.		25957.10		%Kg			459441
9	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" l/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.							
		2				2	No's	
					Total:	**2**	**No's**	
	@ Rs.		13396.80		Each			26794
						Total: -		**1508231**
						Say: -		**1508200**

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ANALYSIS FOR P/L OF TUFF TILE 60MM THICK COMPLETE IN ALL RESPECT.

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AREA = 34'X10' = 340 SFT

S.No	Description.								Amount.
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.								
		2	34	1	1		68	Cft	
						Total:	**68**	**Cft**	
						@ Rs.	8727.85	%oCft	593
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6:12								
		2	34.000	1	0.25		17	Cft	
		1	34	8.5	0.33		95	Cft	
						Total:	**112**	**Cft**	
						@ Rs.	15127.50	%Cft	16943
3	Pucca brick work in 1:6 cement sand mortar in foundation and plinth								
		2	34.000	0.75	1.5		77	Cft	
						Total:	**77**	**Cft**	
						@ Rs.	25310.55	%Cft	19489
4	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60-mm thick								
		1	34.0	8.5			289	Sft	
						Total:	**289**	**Sft**	
						@ Rs.	120.60	P.Sft	34853
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4								
		2	34.00	0.75	0.125		6	Cft	
						Total:	**6**	**Cft**	
						@ Rs.	28284.95	%Cft	1697
								Total:-	**73575**
						Add 3% Contingency: -			**2207**
								Total:-	**75782**
	Rate for P. Sft		75782	/340					**222.89**
								Say:-	**223.00**

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ELECTRIFICATION OF STREET LIGHTS

1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials 50 mm i/d								
		1	600.00				850	Rft	
						@ Rs.	157.40	P. Rft	133790
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated 19/1.63 mm (19/0.064")								
							550	Mtr	
						@ Rs.	1098.60	P. Mtr	604230
3	P/F Of Tubler Electric Street Light Poles 4" Dia 15', 3" Dia 10' & 1-1/4" Dia 7' On Concrete Footing By Means Plates & Nut Bolts Complete In LI Respect As Approved By The Engineer Incharge								
							25	No.	
						@ Rs.	53500	Each	1337500
4	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.								
							2	No.	
						@ Rs.	8019.65	Each	16039
5	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG 19/2.11 mm (19/0.083")								
							170	Rft	
						@ Rs.	2627.35	P. Rft	446650
6	Providing And Fixing M.S. Iron Box For Housing Main Switches, Made Of 1.5 Mm (1/16") Thick M.S. Sheet, With Locking Arrangement, Including Painting 60X35X15 Cm (24"X14"X6") Incoming = 1 No. Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Tripple Pole 6-63 Amp (10 Ka) (60-65 Amp) Out Going: -Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge.Single Pole 6-40 Amp (6 Ka) (5 No. 6-10 Amp & 2 No. 11-20 Amp) = 7 Nos Led Phase Indicator, Digital Voltmeter (0-600 Volt) & Digital Ammeter (0-9999 Amp)								
							1	No.	
						@ Rs.	43400	Each	43400
7	S/E of L.E.D Flood Light 50 Watt Phlips made complete in all respect.								
							100	No.	
						@ Rs.	10925	Each	1092500
								Total:-	**3674109**
							Add 3% Contingency: -		**110223**
								Total:-	**3784332**

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ANALYSIS OF RATE

P/F False ceilling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.

1st Jan 2022 to 30th June 2022 Unit Rate P.Sft

Sr. No	Detail	Qty	Unit	Rate	Amount
A	**MATERIAL**				
1	DAMPA False ceilling 2'x2' i/c wire	100			
	Add: 5% Wastage	5			
	Total	105	P. Sft	322	33810
2	Aluminum Tee 1"x1/16"				
	2x6x10	120			
	Add: 5% Wastage	6			
	Total	**126**	Each	29	3654
3	Cost of Rawal plug (1 No) for 1 Sft	**8**	P.Dozen	35	280
4	Cost of Screw 1 1/4" size	**8**	P.Dozen	58	464
5	1/8" dia Rod 5' long 1 for 2Sft				
	50x5 = 252 225x 0.41x0.454 = 4.25	**4.25**	P.Kgs	48	204
			Total "A"		**38412**
B.	**LABOUR**				
1	Labour for fixing of frame i/c hanging wire upto 20' high	100	P.Sft	23	2300
2	Carriage of Material from factory to site			L.S	300
				Total	**2600**
	Add: 10% Sundries.				**260**
			Total "B"		**2860**
			Total A + B		**41272**
	Add: 20% Contractor Profit				**8254**
			Total		**49526**
	Rate P.Sft	49526.00	\	100	**495.26**
			Say Rs. P.Sft		**405**

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ANALYSIS OF RATE FOR P/F OF U-PVC DOOR I/C CHOWKAT FRAMED 70MM CASEMENT FRAME FOR OPENABLE DELUX / WHITE WITH MULTI LOCKING SYSTEM, SPECIAL UV RESISTENT PROFILE WITH TITANIUM DIOXIDE BELGIUM (DECEUNINCK) MADE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.

Rate of Analysis for 4'x8' = 32 Sft

S. No.	Description	Quantity		Rate	Unit	Amount
(A)	**Material**					
1	U-PVC Door with Chowkat with fittings and locking arrangments	32	Sft			
	Add 5% Wastage	2	Sft			
		34	Sft	600	P. Sft	20400
2	Fixing Charges	1	Job	1500	Each	1500
3	Carriage from market to site of work				L.S.	1500
					Total: -	**23400**
		Add 20% Contractor Profit: -				**4680**
					Total (A): -	**28080**
					Rate P. Sft: -	**877.5**
					Say: -	**860**

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Analyses of rates

Supply and erection of fancy LED Pannell light 2'x2' i/c LED Light & Driver 36 (W) (Philips / Alpha LED Ultra Slim) i/c fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge

1st Jan 2022 to 30th June 2022

S.No.	Description	Quantity		Rate	Unit	Amount
	Material.					
1	Cost of LED Panell Light 2'x2' i/c light and driver 36 (W) (Philips / Alpha LED ultra Slim)	1	No.	8800	Each	8800
2	Fixing charges	1	Job	200	P. Job	200
3	Carriage Charges					100
					Total	**9100**
				Add 20 % contractors profit.		1820
					G.Total.	**10920**
					Say Rs.	**10920**

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PROVIDING AND FITTING GLAZED EARTHEN WARE WATER CLOSET ORISSA PATTERN, ICL 4006 BRAND COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER IN CHARGE.

	Detail	Unit Rate (British System) for Each			
		Qty	Rate Per Unit		Amount (Rs.)
MATERIAL					
1	Glazed earthen ware W.C squater type (Orisa pattern) (ICL 4006 Brand) Page No. 13 Item 19.085	1.00 No.	2500.00	each	2500
2	Cement	0.021 Bag	720.00	Bag	15
3	Sand	0.056 Cft.	1800.00	% Cft.	1
	Total				**2516**
	Contractor's Profit & Overheads 20.00 Percent				503
	Total				**3019**
LABOUR	For 4 Nos.				
1	Plumber	1.00 No.	1050.00	per day	1050
2	Cooly un-skilled	0.50 No.	780.00	per day	390
	Total				**1,440**
	Sundries 10.00 Percent				144
	Total				**1,584**
	Contractor's Profit & Overheads 20.00 Percent				317
	Total				**1,901**
ITEM RATES					
	Labour rate for Each	Rs.	**475.25**	Say	**475.25**
	Composite rate for Each	Rs.	**3494.25**	Say	**3490**

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the 1st BI-ANNUAL-2022 (01.01.2022 TO 30.06.2022) District Attock

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PROVIDING AND FITTING GLAZED EARTHEN WARE WASH HAND BASIN ICL FREEGATE BRAND (22" X 16"), INCLUDING BRACKET SET, WASTE PIPE AND WASTE COUPLING, ETC. COLOUR WITH PEDESTAL AS APPROVED AND DIRECTED BY THE ENGINEER IN CHARGE.

	Detail	Unit Rate (British System) for Each			
		Qty	Rate Per Unit		Amount (Rs.)
MATERIAL					
1	White Glazed earthenware Wash Hand Basins (22" x 16") (56 cm x 40 cm) with padestal (ICL Freegate Brand) Page 13 Item 19.074	1.00 No.	2900.00	each	2900
	Total				**2,900**
	Contractor's Profit & Overheads 20.00 Percent				580
	Total				**3,480**
LABOUR	For 4 Nos.				
1	Plumber	1.00 No.	1050.00	per day	1,050
2	Cooly un-skilled	1.00 No.	780.00	per day	780
	Total				**1,830**
	Sundries 10.00 Percent				183
	Total				**2,013**
	Contractor's Profit & Overheads 20.00 Percent				403
	Total				**2,416**
ITEM RATES					
	Labour rate for Each	Rs.	**604.00**	Say	**604.00**
	Composite rate for Each	Rs.	**4084.00**	Say	**4080**

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PROVIDING AND FITTING LOW DOWN FLUSHING CISTERN 13.63 LITRES (3 GALLONS) CAPACITY, PLASTIC (MASTER OR EQ. MADE) INCLUDING BRACKET SET, COPPER CONNECTION, ETC COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER IN CHARGE.

	Detail	Unit Rate (British System) for Each		
		Qty	Rate Per Unit	Amount (Rs.)
MATERIAL				
1	White Glazed earthen ware low down cistern 13.63 ltr. (3/Gln) ICL Brand Freegate Page 11 Item 19.025	1.00 No.	2200.00 each	2,200
	Total			**2200**
	Contractor's Profit & Overheads 20.00 Percent			440
	Total			**2640**
LABOUR	For 4 Nos.			
1	Plumber	1.00 No.	1050.00 per day	1,050
2	Cooly un-skilled	0.75 No.	780.00 per day	585
	Total			**1635**
	Sundries 10.00 Percent			164
	Total			**1799**
	Contractor's Profit & Overheads 20.00 Percent			360
	Total			**2159**
ITEM RATES				
	Labour rate for Each	Rs.	**539.75** Say	**539.75**
	Composite rate for Each	Rs.	**3179.75** Say	**3175**

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ANALYSIS RATE FOR P/F OF U.P.V.C WALL PANELING POLY VINYL IMPORTED SHEET OF APPROVED DESIGN & SHADE WITH STEEL CHANNEL I/C NECESSARY FITTING CARRIAGE FROM MARKET TO SITE OF WORK AND LABOUR CHARGES COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	U.P.V.C wall paneling i/c wastage	105	Sft				
	Total:	105	Sft	120.00	P.Sft	Rs.	12600
2	Screws & Rawal Plug						
					L.S	Rs.	300
3	Fixing Charges	100	Sft				
	Total:	100	Sft	10.00	P.Sft	Rs.	1200
4	Carriage Charges						
					L.S	Rs.	500
				TOTAL		**Rs.**	**14600**
	Add 20% Contractor Profit					Rs.	2920
				TOTAL		**Rs.**	**17520**
				Rate P.Sft:		**Rs.**	**175.20**
				Say:		**Rs.**	**145**

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the 1st BI-ANNUAL-2022 (01.01.2022 TO 30.06.2022) District Attock

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ANALYSIS FOR CONSTRUCTION OF RECEPTION COUNTER BRICK MASONRY STRUCTURE 3.5' HEIGHT FROM GROUND LEVEL CONSISTING OF MARBLE GRENITE AND KITCHEN CABNIT 22" DEEP WITH BACK COMPLETE IN ALL RESPECT.

Analysis for 8.5'x2.75' = 23.375 Sft

01.01.2022 TO 30.06.2022

1 Pacca brick work in ground floor with cement, sand mortar Ratio 1:6

1	8.5	0.75	3.5	22 Cft	
2	2	0.375	2.5	4 Cft	
			Total: -	**26 Cft**	
@ Rs.	27100.45	%Cft			7046

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

2	8.5	3.5	60 Sft	
2	2.75	2.5	14 Sft	
		Total: -	**74 Sft**	
@ Rs.	2582.9	%Sft		1911

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

1	8.5	1.75	15 Sft	
1	3	1	3 Sft	
1	5	1.5	8 Sft	
1	2.75	3.5	10 Sft	
1	8.5	3.5	30 Sft	
1	8.5	1	9 Sft	
		Total: -	**75 Sft**	
@ Rs.	841.3	P. Sft		63098

4 Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. 2' deep without back

1	7.75	2.5	19 Sft	
		Total: -	**19 Sft**	
@ Rs.	962.9	P. Sft		18295

5 P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.

3	3.5		11 Sft	
		Total: -	**11 Sft**	
N.S @ Rs.	740	P. Sft		8140

6 Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects 1: 2: 4 ratio

1	8.5	2	0.25	4 Cft	
			Total: -	**4 Cft**	
@ Rs.	460.15	P. Cft			1841

7 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 reinforcement (also includes removal of rust from bars) deformed bars Grade-40.

4	6.75	0.454	12 Kg	
		Total: -	**12 Kg**	
@ Rs.	25957.1	%kg		3115

Total: -	**103446**
Add 3% Contingency: -	3103
Total: -	**106549**
Rate P.Sft: -	**4558.246**
Say: -	**4558**

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Analysis of rates

P/F Stainless steel corner beading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.

		Unit = P.Rft.				01.01.2022 TO 30.06.2022
S.No.	Description	Quantity		Rate	Unit	Amount
	Material.					
1	Cost Stainless steel corner beading angle 2"x2"x1/16" with imported double tape fixed i/c cutting fixing complete i/c labour complete	1.00	Rft	620	P.Rft	620
					Total	**620**
					Add 20% contractor profit	**124**
					Total "A"	**744**
					Say Rs.	**740**

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ANALYSIS OF THE RATE FOR P/F OF LEAD LINING 2MM THICK LEAD SHEET WITH WALL FOR RADIATION PROTECTION UPTO ROOF HEIGHT AS APER INSTRUCTION & COVERING WITH MDF BOARD 3/4" THICK PANELLING I/C FRAME OF KAIL WOOD 1-1/2"X2" I/C TERMITE PROOFING & FANCY DEODAR WOOD BEADING COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE ALSO APPROVED THE RADIATION PROTECTING AGENCY ETC.

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	P/F Led Lining Sheet 2mm thick with 5% wastage	105	Sft				
	Total:	105	Sft	820.00	P.Sft	Rs.	86100
2	Carriage Charges				L.S	Rs.	5000
				TOTAL		**Rs.**	**91100**
	Add 20% Contractor Profit					Rs.	18220
				TOTAL		**Rs.**	**109320**
				Rate P.Sft:		**Rs.**	**1093.20**
				Say:		**Rs.**	**1090**
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the 1st BI-ANNUAL-2022 (01.01.2022 TO 30.06.2022) District Attock							

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ANALYSIS RATE FOR P/F OF ANTISTATIC ANTIBACTERIAL VINYL FLOORING WITH FIXATION ON FLOOR I/C CARRIAGE OF MATERIAL FROM MARKET TO SITE OF WORK COMPLETE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	P/F Antistatic and antibacterial imported vinyl flooring sheet with 5% wastage	105	Sft				
	Total:	105	Sft	545.00	P.Sft	Rs.	57225
2	Carriage Charges				L.S	Rs.	1000
					TOTAL	Rs.	58225
	Add 20% Contractor Profit					Rs.	11645
					TOTAL	Rs.	69870
					Rate P.Sft:	Rs.	698.70
					Say:	Rs.	695

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the 1st BI-ANNUAL-2022 (01.01.2022 TO 30.06.2022) District Attock

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ANALYSIS OF RATE FOR P/L SUNNY GREY MARBLE 1/2" TO 3/8" THICK LAID ON TOP OF PARAPIT AT 2ND AND 3RD FLOOR OF WIDTH 1.25" LAID WITH 1:2 CEMENT SAND MORTOR, PROVIDING 3/8" THICK SLOPE INSIDE WITHOUT RUBBING BUT ALSO INCLUDE FILLING OF JOINT PROJECTED OUTSIDE 1/2" COMPLETE IN ALL RESPECTED AS APPROVED DIRECTED BY THE ENGINEER INCHARGE

Area: 10x10= 100 Sft

Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
A)	**Sunny grey marble without polshing 1/2" to 3/8" thick**						
1	Total = 105 Sft						
	Total = 105 Sft	105	Sft	65	P.Sft	**Rs.**	**6825**
2	White Cement (Item No. 06.009 P.-1)	0.10	Bag	1350	P.Bag	**Rs.**	**135**
3	Grey Cement (Item No. 06.008 P.-1)	2.16	Bag	720	P.Bag	**Rs.**	**1555**
4	Pigment (Item No. 10.015 P-5)	0.45	Kg	120	P.Kg	**Rs.**	**54**
5	Sand (Item No. 06.007 P.-1)	5.20	Cft	1800	%Cft	**Rs.**	**94**
6	Carriage Charges	100.00	Sft	15	P. Sft	**Rs.**	**1500**
				TOTAL		**Rs.**	**10163**
	Contractor's Profit 20%					**Rs.**	**2033**
				TOTAL (A)		**Rs.**	**12196**
	Part-II Labour						
i	Mason (Item No. L.B 040 P-1)	2	Nos	1050.00	P. Day	**Rs.**	**2100**
ii	Un-Skilled Coolies (Item No. L.B 024 P-1)	4.00	Nos	780.00	P.Day	**Rs.**	**3120**
iii	Bahishti (Item No. L.B 017 P-1)	0.50	Nos	830.00	P. Day	**Rs.**	**415**
iv	Extra labour each story above Ground Level 617.75x2 = 1235.5 (As per MRS)	100	Sft	1235.50	%Sft	**Rs.**	**1236**
				TOTAL		**RS.**	**6871**
	Add 10% Sundries on Rs. 5635/-					**Rs.**	**564**
				TOTAL		**Rs.**	**7435**
	Contractor's Profit 20% on Rs. 6199/-					**Rs.**	**1240**
				TOTAL (B)		**Rs.**	**8675**
				TOTAL (A+B)		**Rs.**	**20871**
	Rate P.Sft A+B					**Rs.**	**208.71**
					Say	**Rs.**	**200**

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ANALYSIS OF RATES FOR P/F STAINLESS STEEL GRATING (JALI) 6"X6" FOR FLOOR TRAP COMPLETE IN ALL RESPECT AS APP BY THE ENGINEER INCHARGE

Unit Each

1	Cost of Stainless Floor Trap size 6"x6"				
		1	No		
		@ Rs. 585/-	Each	Rs.	585 /-
2	Fixing Charges with matching pigment etc.			Rs.	60 /-
			Total:	**Rs**	**645 /-**
			Add 20% contractor profit	**Rs**	**129 /-**
			Total:	**Rs**	**774 /-**
			Say	**Rs**	**770 /-**

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ANALYSIS OF RATES FOR S/E OF EMERGENCY EXIT LOGO LIGHT 8 WATT BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.

			Unit Each		
1	Cost of Emergency Exit Logo Light 8 Watt.				
		1	No		
	@ Rs. 1650/-	Each		Rs.	1650 /-
2	Fixing Charges with Cable			Rs.	250 /-
			Total:	**Rs**	**1900 /-**
			Add 20% contractor profit	**Rs**	**380 /-**
			Total:	**Rs**	**2280 /-**
			Say	**Rs**	**2200 /-**

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ANALYSIS OF RATES FOR S/E OF EMERGENCY WARNING LIGHT 8 WATT BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.

			Unit Each		
1	Cost of Emergency Warning Light 8 Watt.				
		1	No		
		@ Rs. 1900/-	Each	Rs.	1900 /-
2	Fixing Charges with Cable			Rs.	250 /-
			Total:	**Rs**	**2150 /-**
			Add 20% contractor profit	**Rs**	**430 /-**
			Total:	**Rs**	**2580 /-**
			Say	**Rs**	**2550 /-**

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ANALYSIS OF RATES

WALL BRACKET FAN 18" SIZE (PLASTIC BODY)

Supply & errection of Wall Bracket fan plastic body 18" size GFC / Pak Fan made i/c fitting and making electric connection complete in all respect as approved by the Engineer Incharge.

Sr. No.	Material	Unit Rate Each			
		Quantity	Unit	Rate	Amount
A-	**Material**				
1	S/o Wall Bracket fan of plastic body 18" size Page 67 Item DC-1 P/67	1	Each	3500.00	3500
2	Brass Screw 40mm	0.33333	P. Dzn	45.00	15
3	Supply and erection of 7/0.029" cable	1.5	P.Mtr	33.00	50
	Total: -A				**3565**
(B)	**LABOUR**				
	Electrician	0.225	P.Day	1050.00	236
	Colly (Un-skilled)	0.225	P.Day	780.00	176
					412
	Sundries 10 percent				41.00
	Total: -B				**453**
	Total: -A+B				**4018**
	Add Contractors Profit 20%				804
	G-TOTAL				**4822**
		SAY RS. 4820/- EACH			

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	RATE ANALYSIS FOR P/F OF GANG PLATE 4 TO 6 HOLES I/C BOX IMPORTED BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.						
					Unit: Each		
S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Gang Plate 4-6 Hole with box best quality	1.00	No.	300	Each	Rs.	300
2	Fixing Charges & Making Connection	1	Job	50.00	Each	Rs.	50
				TOTAL		Rs.	350
	Contractor's Profit 20%					Rs.	70
				TOTAL		Rs.	420
				SAY		Rs.	420

	RATE ANALYSIS FOR P/F OF GANG PLATE 8 TO 10 HOLES I/C BOX IMPORTED BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.						
					Unit: Each		
S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Gang Plate 8-10 Hole with box best quality	1.00	No.	370	Each	Rs.	370
2	Fixing Charges & Making Connection	1	Job	50.00	Each	Rs.	50
				TOTAL		Rs.	420
	Contractor's Profit 20%					Rs.	84
				TOTAL		Rs.	504
				Say		Rs.	500

	RATE ANALYSIS FOR S/E OF POWER PLUG 20 AMP COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.						
					Unit: Each		
S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Power Plug 20 Amp	1.00	No.	590	Each	Rs.	590
2	Fixing Charges & Making Connection	1	Job	50.00	Each	Rs.	50
				TOTAL		Rs.	640
	Contractor's Profit 20%					Rs.	128
				TOTAL		Rs.	768
				Say		Rs.	765

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RATE ANALYSIS FOR P/F OF SWITCH SINGLE POLE ONE WAY IMPORTED BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE.

Unit: Each

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Cost of Switch	1.00	No.	130	Each	Rs.	130
2	Fixing Charges & Making Connection	1	Job	25.00	Each	Rs.	25
				TOTAL		Rs.	155
	Contractor's Profit 20%					Rs.	31
				TOTAL		Rs.	186
				SAY		Rs.	185

RATE ANALYSIS FOR P/F OF FAN DIMMPER OF BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVE AND DIRECTED BY THE ENGINEER IN CHARGE.

Unit: Each

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Cost of Dimmer	1.00	No.	310	Each	Rs.	310
2	Fixing Charges & Making Connection	1	Job	35.00	Each	Rs.	35
				TOTAL		Rs.	345
	Contractor's Profit 20%					Rs.	69
				TOTAL		Rs.	414
				Say		Rs.	410

RATE ANALYSIS FOR P/F OF SOCKET THREE PIN 10/15 AMP IMPORTED BEST QUALITY COMPLETE IN ALL RESPECT AS APPROVE AND DIRECTED BY THE ENGINEER IN CHARGE.

Unit: Each

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Cost of Socket 10/15 Amp	1.00	No.	290	Each	Rs.	290
2	Fixing Charges & Making Connection	1	Job	35.00	Each	Rs.	35
				TOTAL		Rs.	325
	Contractor's Profit 20%					Rs.	65
				TOTAL		Rs.	390
				Say		Rs.	390

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P/F WALL MOUNTED DB (DISTRIBUTION BOARD) MADE WITH 16SWG SHEET (RECESSDED/SURFACE MOUNTED TYPE), POWDER COATED PAINT, I/C THE COST OF LOCK, INDICATION LIGHTS,THIMBLE, COPPER COMB, WIRING, NETURAL & EARTH BAR, DOOR EARTHING, DIGITAL VOLTMETER,DIGITAL AMMETER,VOLT SELECTOR SWITCH,AMMETER SELECTOR SWITCH,CURRENT TRANSFORMERS AND CONTROLES COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE (BREAKERS WILL BE PAID SEPARATELY) 12" DEEP 160~200A (3'X4'X12") WITH SUPLYING,INSTALLATION,TESTING AND COMMISSIONING OF 415-VOLT ,4 POLE (TP+N) COMPACT COPPER BUSWAY (BUS TIE DUCT B.T.D) OF SPECIFIED SIZE/RATING COMPRISING OF 10 MM THICK SANDWITCH COPPER BUS BARS,INSULATED WITH NONFLAMMABLE/FLAME RESISTANT RESIN APPLIED AT 130 OC BY AUTOMATIC ELECTROSTATIC APPLICATION WITH MAYLER CLASS-B, HOUSED IN ALUMINIUM HOUSING I/C THE COST OF HANGERS, ACCESSORIES,ENCLOSURES IP55, IEC 61439-1, COMPLETE IN ALL RESPECT,SPACED TO A MINIMUM REDUCING REACTANCE AS APPROVED & DIRECTED BY THE ENGINEER INCHARGE 630 AMP
INCOMING: - 1 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 300-630 AMP(36 KA) (600 AMP)
OUTGOING: - 2 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 300-630 AMP(36 KA) (400 AMP).

S#	Description	Qty	Unit	Rate	Amount
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 300-630 Amp(36 KA) (600 Amp)	**1**	Each	62417.8	**62418**
2	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 300-630 Amp(36 KA) (400 Amp).	**2**	Each	62417.8	**124836**
3	Suplying,Installation,testing and commissioning of 415-Volt ,4 Pole (TP+N) compact Copper Busway (Bus Tie Duct B.T.D) of specified size/rating comprising of 10 mm thick sandwitch copper Bus bars,insulated with nonflammable/flame resistant resin applied at 130 OC by Automatic Electrostatic application with Mayler Class-B, housed in Aluminium Housing i/c the cost of hangers, accessories,enclosures IP55, IEC 61439-1, complete in all respect,spaced to a minimum reducing reactance as approved & directed by the Engineer Incharge 630 Amp	**2**	P. Rft	22616.2	**45232**
4	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) 12" deep 160~200A (3'x4'x12")	**12**	P. Cft	12442.8	**149314**
				Total:	**381799**
				Say:	**381750**

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P/F WALL MOUNTED DB (DISTRIBUTION BOARD) MADE WITH 16SWG SHEET (RECESSDED/SURFACE MOUNTED TYPE), POWDER COATED PAINT, I/C THE COST OF LOCK, INDICATION LIGHTS,THIMBLE, COPPER COMB, WIRING, NETURAL & EARTH BAR, DOOR EARTHING, DIGITAL VOLTMETER,DIGITAL AMMETER,VOLT SELECTOR SWITCH,AMMETER SELECTOR SWITCH,CURRENT TRANSFORMERS AND CONTROLES COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE (BREAKERS WILL BE PAID SEPARATELY) 12" DEEP 160~200A (2'X3'X12")

INCOMING: - 1 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 300-630 AMP(36 KA) (600 AMP)

OUTGOING: - 6 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 125-250 Amp(18 KA) (200 AMP).

S#	Description	Qty	Unit	Rate	Amount
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 300-630 Amp(36 KA) (400 Amp).	**1**	Each	62417.8	**62418**
2	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 125-250 Amp(18 KA) (200 Amp).	**6**	Each	23477.8	**140867**
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) 12" deep 160~200A (2'x3'x12")	**6**	P. Cft	12442.8	**74657**
				Total:	**277941**
				Say:	**277900**

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P/F WALL MOUNTED DB (DISTRIBUTION BOARD) MADE WITH 16SWG SHEET (RECESSDED/SURFACE MOUNTED TYPE), POWDER COATED PAINT, I/C THE COST OF LOCK, INDICATION LIGHTS,THIMBLE, COPPER COMB, WIRING, NETURAL & EARTH BAR, DOOR EARTHING, DIGITAL VOLTMETER,DIGITAL AMMETER,VOLT SELECTOR SWITCH,AMMETER SELECTOR SWITCH,CURRENT TRANSFORMERS AND CONTROLES COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE (BREAKERS WILL BE PAID SEPARATELY) 12" DEEP 160~200A (2'X3'X12")

INCOMING: - 1 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 125-250 Amp(18 KA) (200 AMP).

OUTGOING: - SUPPLING,INSTALLATION AND COMISSIONING OF MCB (MINIATURE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND IN PRELAID DBS AND PANELS I/C THE COST OF SCREWES,NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE SINGLE POLE 6-40 AMP (6 KA) (15 NO. 6 AMP & 20 NO. 20 AMP) = 35 NOS

S#	Description	Qty	Unit	Rate	Amount
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 125-250 Amp(18 KA) (200 Amp).	**1**	Each	23477.8	**23478**
2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge Single Pole 6-40 Amp (6 KA) (15 No. 6 Amp & 20 No. 20 Amp) = 35 Nos	**35**	Each	866.4	**30324**
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) 12" deep 160~200A (2'x3'x12")	**6**	P. Cft	12442.8	**74657**
				Total:	**128459**
				Say:	**128450**

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P/F WALL MOUNTED DB (DISTRIBUTION BOARD) MADE WITH 16SWG SHEET (RECESSDED/SURFACE MOUNTED TYPE), POWDER COATED PAINT, I/C THE COST OF LOCK, INDICATION LIGHTS,THIMBLE, COPPER COMB, WIRING, NETURAL & EARTH BAR, DOOR EARTHING, DIGITAL VOLTMETER,DIGITAL AMMETER,VOLT SELECTOR SWITCH,AMMETER SELECTOR SWITCH,CURRENT TRANSFORMERS AND CONTROLES COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE (BREAKERS WILL BE PAID SEPARATELY) 12" DEEP 160~200A (2'X3'X12")

INCOMING: - 1 NO: SUPPLYING ,INSTALLATION AND COMMISSIONING OF MCCB (MOULDED CASE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (WITH FIXED THERMAL-MAGNETIC TRIP) IN PRELAID DBS AND PANELS I/C THE COST OF SCREWS, NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE. TRIPPLE POLE 125-250 Amp(18 KA) (125 AMP).

OUTGOING: - SUPPLING,INSTALLATION AND COMISSIONING OF MCB (MINIATURE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND IN PRELAID DBS AND PANELS I/C THE COST OF SCREWES,NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE SINGLE POLE 6-40 AMP (6 KA) (15 NO. 6 AMP & 20 NO. 20 AMP) = 35 NOS

S#	Description	Qty	Unit	Rate	Amount
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole 125-250 Amp(18 KA) (125 Amp).	**1**	Each	23477.8	**23478**
2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge Single Pole 6-40 Amp (6 KA) (15 No. 6 Amp & 20 No. 20 Amp) = 35 Nos	**35**	Each	866.4	**30324**
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) 12" deep 160~200A (2'x3'x12")	**6**	P. Cft	12442.8	**74657**
				Total:	**128459**
				Say:	**128450**

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P/F OF FILTRATION PLANT OF SOSAFE I/C ALL ACCESSORIES AS PER SPECIFICATIONS, PRESSURE SAND fILTER SS-24 1 NO., JUMBO SEDIMENT FILTER 20" (5 MICRON) GAC-20(ACTIVATED CARBON PURIFIER) JUMBO SEDIMENT FILTER 20" (1 MICRON) CHLORINE DOSING SYSTEM, UF MEMBRANES, WATER COLLECTING POINT, STAINLESS STEEL HEADER (SS 304) WITH 6 NOS WATER TAPS, UPVC FACE PIPING FROM SAND FITER TO UF MEMBRANES 1 JOB AS DIRECTED/APPROVED BY ENGINEER INCHARGE.

Unit : Each

1	Cost of Filteration Plant (specs as per Quotation)			Rs.	1037000
2	Cost of PVC insulated and PVC sheated copper conductor 19/0.052 4 core	150 Mtr	3264.7	P. Mtr	489705
3	Providing And Fixing M.S. Iron Box For Housing Main Switches, Made Of 1.5 Mm (1/16") Thick M.S. Sheet, With Locking Arrangement, Including Painting 60X35X15 Cm (24"X14"X6") Incoming = 1 No. Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Tripple Pole 6-63 Amp (10 Ka) (60-65 Amp) Out Going: -Suppling,Installation And Comissioning Of Mcb (Miniature Circuit Breaker) Of Specified Rating Made Of Legrand France/ Ge U.S.A / Schneider Germany /Siemen German/Terasaki Japan/ Abb Switzerland In Prelaid Dbs And Panels I/C The Cost Of Screwes,Necessary Wire Complete In All Respect As Approved And Directed By The Engineer Incharge Single Pole 6-40 Amp (6 Ka) (8 No. 6-10 Amp & 4 No. 11-20 Amp) = 12 Nos Led Phase Indicator, Digital Voltmeter (0-600 Volt) & Digital Ammeter (0-9999 Amp)	1 No.	53000	Each	53000
	Total:-			**Rs.**	**1579705**
	Say:-			**Rs.**	**1579700**
					Each

Sub Divisional Officer
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

PROVIDING AND FIXING M.S. IRON BOX FOR HOUSING MAIN SWITCHES, MADE OF 1.5 MM (1/16") THICK M.S. SHEET, WITH LOCKING ARRANGEMENT, INCLUDING PAINTING 60X35X15 CM (24"X14"X6")
INCOMING = 1 NO. SUPPLING,INSTALLATION AND COMISSIONING OF MCB (MINIATURE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND IN PRELAID DBS AND PANELS I/C THE COST OF SCREWES,NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE TRIPPLE POLE 6-63 AMP (10 KA) (60-65 AMP)
OUT GOING: -SUPPLING,INSTALLATION AND COMISSIONING OF MCB (MINIATURE CIRCUIT BREAKER) OF SPECIFIED RATING MADE OF LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND IN PRELAID DBS AND PANELS I/C THE COST OF SCREWES,NECESSARY WIRE COMPLETE IN ALL RESPECT AS APPROVED AND DIRECTED BY THE ENGINEER INCHARGE SINGLE POLE 6-40 AMP (6 KA) (8 NO. 6-10 AMP & 4 NO. 11-20 AMP) = 12 NOS
LED PHASE INDICATOR, DIGITAL VOLTMETER (0-600 VOLT) & DIGITAL AMMETER (0-9999 AMP)

Unit: Each

Sr. #	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit (Rs.)			
1	Providing and fixing M.S. iron box for housing main switches, made of 1.5 mm (1/16") thick M.S. sheet, with locking arrangement, including painting 60x35x15 cm (24"x14"x6")	1	No.	6233.95	Each	**Rs.**	**6234**
2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge Tripple Pole 6-63 Amp (10 KA) (60-65 AMP)	1	No.	7997.8	Each	**Rs.**	**7998**
3	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge Single Pole 6-40 Amp (6 KA) (8 No. 6-10 Amp & 4 No. 11-20 Amp) = 12 Nos	12	Nos.	866.4	Each	**Rs.**	**10397**
4	LED Phase Indicator	3	Nos.	437.8	Each	**Rs.**	**1313**
8	Digital Voltmeter (0-600 Volt)	3	Nos.	6617.8	Each	**Rs.**	**19853**
9	Digital Ammeter (0-9999 Amp)	1	Nos.	7217.8	Each	**Rs.**	**7218**
				TOTAL		**Rs.**	**53013**
				SAY:		**Rs.**	**53000**

Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Dapartment for the 1st BI-ANNUAL-2022 (01.01.2022 TO 30.06.2022) District Attock

Sub Divisional Officer
Buildings Sub Division
Attock

Executive Engineer
Buildings Division
Attock

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**

9. DEMAND AND SUPPLY ANALYSIS

DEMAND AND SUPPLY ANALYSIS

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

10 FINANCIAL PLAN AND MODE OF FINANCING

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

Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
Funds Released	**5.040**	**9.014**
Utilization	**4.647**	**1.911**

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	**50.000**	**41.791**
Utilization	**50.000**	**0.000**

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

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11.4 ECONOMIC ANALYSIS

IMPACT OF DELAYS ON PROJECT COST AND VIABILITY

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

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

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

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

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

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

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

NA

15. CERTIFICATE

Focal Person Name: **Designation:**
Email: **Tel. No.:**
Fax No:
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:

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

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

Checked By:

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

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

Approved By:

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

17. RELATION WITH OTHER PROJECTS

20. MARGINALISATION OF PC-1

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

3	was participation of representatives of marginalised groups ensured in pc-1 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	