



PC-1

Balance Work of Revamping of THQ Hospital Ahmedpur East

ORIGINAL APPROVED COST	<b>PKR Million. 125.236/-</b>
ORIGINAL APPROVED GESTATION	<b>43 Months Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

## **1. NAME OF THE PROJECT**

Balance Work of Revamping of THQ Hospital Ahmedpur East

## **2. LOCATION OF THE PROJECT**

### **2.1. DISTRICT(S)**

I. BAHAWALPUR

## **3. AUTHORITIES RESPONSIBLE FOR**

### **3.1. SPONSORING AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.2. EXECUTION AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.3. OPERATIONS AND MAINTENANCE AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.4. CONCERNED FEDERAL MINISTRY**

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>Proposed Allocation:</b> 0.000
3	<b>GS No:</b> 5363
4	<b>Total Allocation:</b> 0.000
5	<b>Funds Diverted:</b> 0.000
6	<b>Balance Funds:</b> 0.000
7	<b>Comments:</b> The scheme will be financed out of block scheme included in ADP 2021-22 at G.S. No. 660 with an allocation of Rs.1300 million Provision of Rs.1300 reflected at G.S. No.660 of ADP 2020-21 titled "Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

#### 5. PROJECT OBJECTIVES

attached



## **Project objectives and its relationship with Sectorial Objectives and Components**

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

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

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

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

## 5.1. Brief Description / Background

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

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

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

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

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

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

**C) External Electrification**

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

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

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

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

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

Total area of the THQ Hospital Ahmedpur East:	39,709 SFT
Area completed:	22,122 SFT
Area Descoped:	SFT
External Development and Electrification:	Not Executed

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

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

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

## **5.2 Infrastructural Interventions**

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

Major infrastructural interventions can be divided in the following three categories

### **5.4.1 External Development**

### **5.4.2 Internal Development**

### **5.4.3 Medical Infrastructure Development**

### **5.4.4 Emergencies Development**

## **5.3 External Development**

### **5.3.1.1 External Platforms**

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

### **5.3.1.2 Façade Improvement**

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

### **5.3.1.3 Sewerage System**

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

#### **5.3.1.4 External Electrification**

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

#### **5.3.2.1 Ramp and Stretcher improvement**

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

#### **5.3.2.2 Seamless flooring and Lead Lining**

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

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

#### **5.3.2.3 Aluminum doors and windows**

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

#### **5.3.2.4 Improvement of washroom blocks**

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

#### **5.3.2.5 Fire and theft security**

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

#### **5.3.3 Medical Infrastructure Development**

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

#### **5.3.3.1 ICU**

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

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

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

### **5.3.3.2 CCU**

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

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



coronary care unit from an emergency department or from a ward if they rapidly deteriorate, and immediately require cardiac care treatment.

#### **5.3.3.3 DIALYSIS UNIT**

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

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

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

#### **5.3.3.4 BURN UNIT**

To improve the quality of medical care rendered to burn patients, primary and secondary Healthcare Department has decided to establish burn units in DHQ hospital as a part of its Annual Development Plan. Effective management of Burn victims is a complicated and challenging intervention in a developing country like Pakistan. Absence of clinical standards, protocols, and guidelines for care of burn patients in health facilities is an important constraint. Primary and Secondary

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

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

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

#### **5.4.1 EMERGENCY DEPARTMENT:**

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

#### **5.4.2 General Overview of Emergency Department**

In any hospital, the most important and critical area is its emergency block. Specially, if hospital is situated on a highway where there is a huge flux of rapidly moving traffic which can be a major source of causalities, if patient treatment is not proper. Besides road trauma cases, cardiac cases and burn cases etc. are also more likely to be initially treated in emergency. Proper first aid to patient reduces morbidity and mortality. The emergency department of hospital is a block where in

time service delivery is so much essential that delay in proper treatment can cause lot of lives to suffer from serious diseases for rest of their life. In a nutshell, the efficiency and in time service delivery of emergency block depicts the overall efficiency of the hospital.

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

#### **5.4.3 Position of Emergency Department**

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

#### **5.4.4 Addition of Portico and External Structures**

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

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

and to uplift the existing shabby outlook of the department, interventions regarding façade improvement are taken in this program.

#### **5.4.5 General Building Interventions:**

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

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

#### **5.5 Introduction of IT-based solutions**

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

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

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

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

- Hospital Management Information System for Phase-II hospitals
- Patient Referral System Portal
- MLC portal

## **5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)**

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

### **5.6.1 MSDS (Minimum Service Delivery Standards)**

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

1. Capacity building for understanding, development and continuous implementation of MSDS.
2. Ecosystem for establishing its implementation by full cooperation, collaboration, commitment of
3. Continuous monitoring
4. Continuous audit
5. Continuous training, refresher courses with purpose of reinforcement
6. Continuous quality improvement
7. Continuous SWOT analysis and gap identification
8. Continuous strategy making and implementation with backup plan for secondary options.
9. Responsibility designation for clinical and non-clinical procedures and activities.
10. Effective utilization, calibration and maintenance of equipment with record maintenance and their audit
11. Establishment of plans, implementation, analysis of gaps with alternate planning regarding fire evacuation plan, hospital 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, paedes, ophthalmology, derma, TB, urology, patient transfer system, store and purchase, audit and accounts, procurement, planning etc. We are also in process of preparing manuals, SOPS, plans, universal forms, and universal registers with universal tracking system of record.
9. We have developed an application for continuous monitoring of MSDS compliance.

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

### **5.6.2 Supply of missing Biomedical and non-biomedical equipment**

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

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

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

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

### **5.7. Electronic Medical Record (EMR) and QMS**



### **5.7.1 Queue Management System (QMS)**

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

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

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

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

unique ID against each patient. This will also lead to the establishment of Electronic Medical Record. The Process flow of Queue Management System at DHQ is given as follows:

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

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

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

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

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

#### **5.7.2 Public Address System**

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

#### **5.7.3 CCTV System**

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

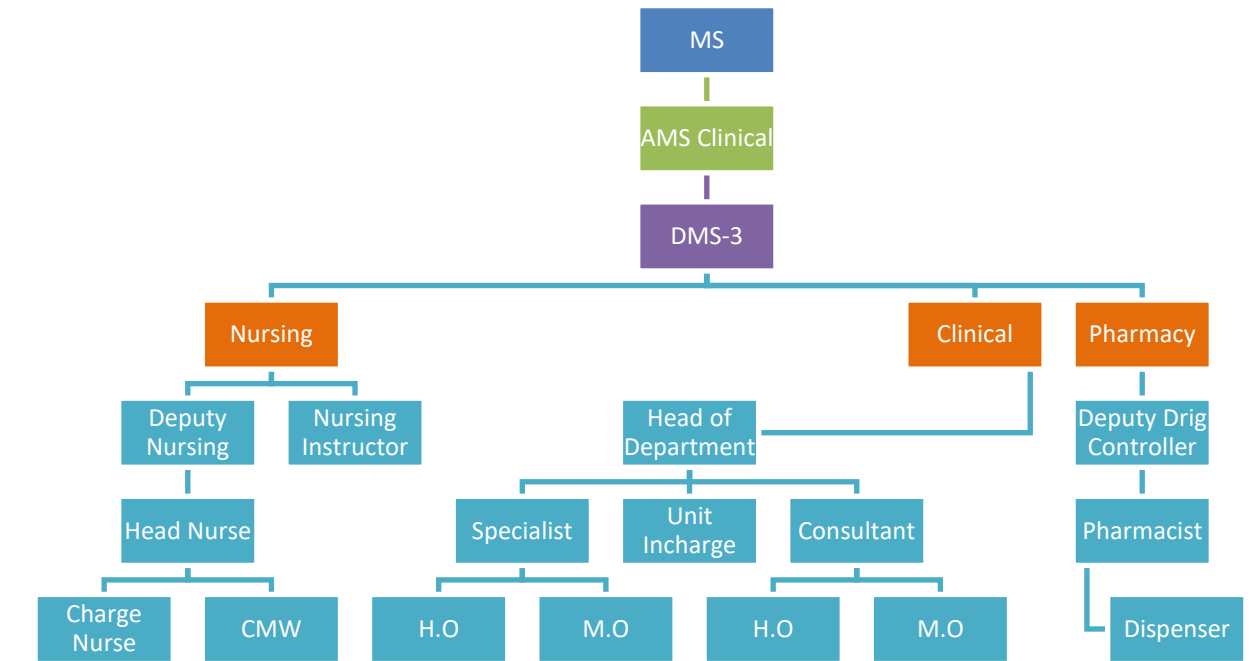
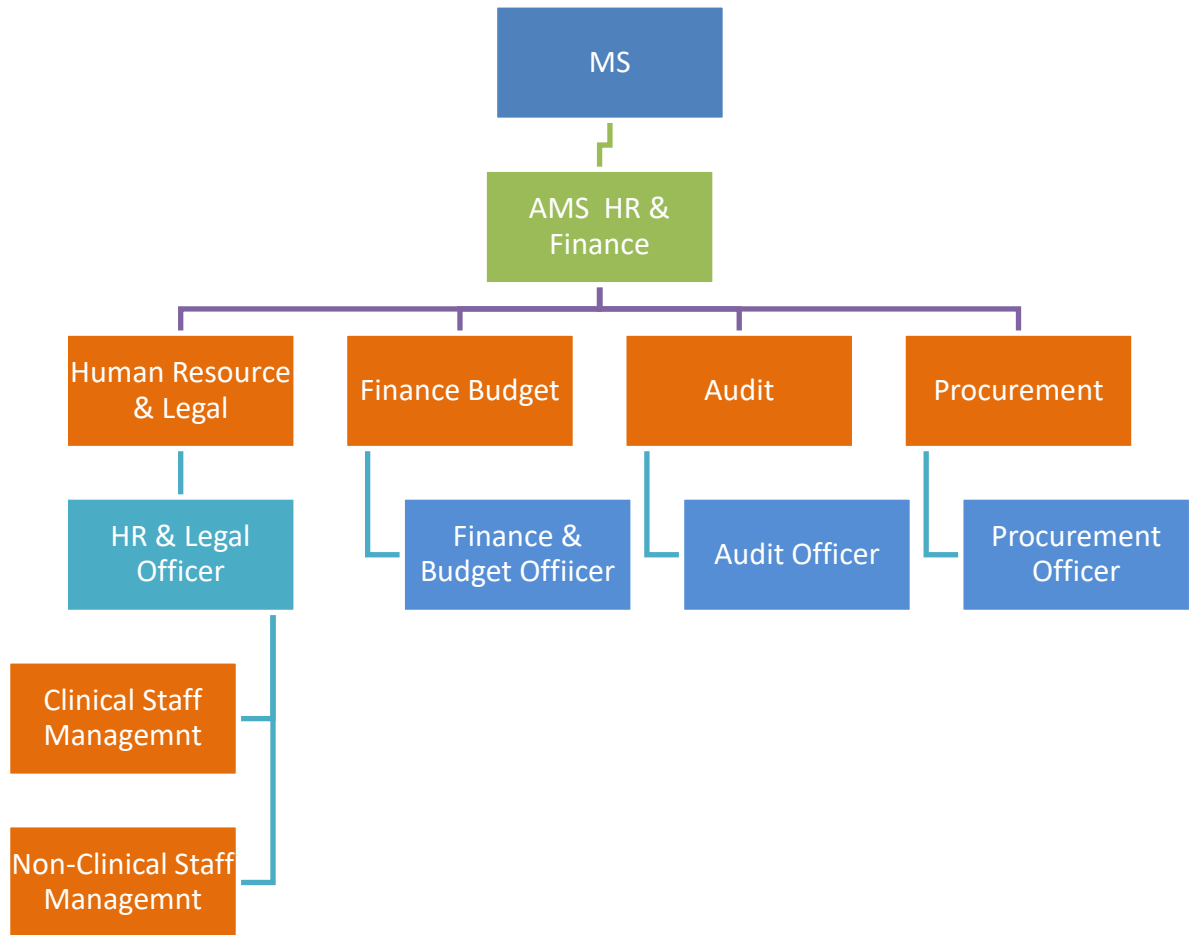
#### **5.7.4 EMR and Networking**

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

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

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

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



**Financial Implications of New Management Structure**

Students

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

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

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

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

<b>Total</b>	<b>11</b>	<b>645,000</b>	<b>8,760,000</b>	<b>849,000</b>	<b>11,556,000</b>
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### **5.8.1 NON CLINICAL HR INTERVENTIONS (HUMAN RESOURCE (HR) PLAN MANAGEMENT STRUCTURE)**

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

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

#### **5.8.2.1 HR / Legal Officer**

Shall be responsible for following:

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

#### **Eigibility Criteria**

1. Minimum qualification Masters' degree in HR/ Public Administration/ MBA / Management / Administration / LLB/ M.Com or equivalent from HEC recognized University

2. Minimum 1 year post degree relevant professional experience (Additional credit may be given for hospital administration/Public sector experience of similar nature)

#### **5.8.2.2 Finance & Budget Officer**

Shall be responsible for following:

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

#### **Eigibility Criteria**

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

#### **5.8.2.3 Audit Officer**

Shall be responsible for following functions:

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

#### **Eigibility Criteria**



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

#### **5.8.2.4 Procurement Officer**

Shall be responsible for following functions:

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

#### **Eigibility Criteria**

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

#### **5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER**

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

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

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

**Eligibility Criteria (Admin Officer)**

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

**Eligibility Criteria (Assistant Admin Officer)**

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

**5.8.2.6 IT/STATISTICAL OFFICER**

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

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

**Eligibility Criteria**

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

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

#### **5.8.2.7 QUALITY ASSURANCE OFFICER**

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

##### **Eligible Criteria**

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

OR

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

2. Minimum 1 year post degree relevant professional experience.

#### **5.8.2.8 BIO-MEDICAL ENGINEER**

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

##### **Eligible Criteria**

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

#### **5.8.2.9 LOGISTICS OFFICER**

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

##### **Eligible Criteria**

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

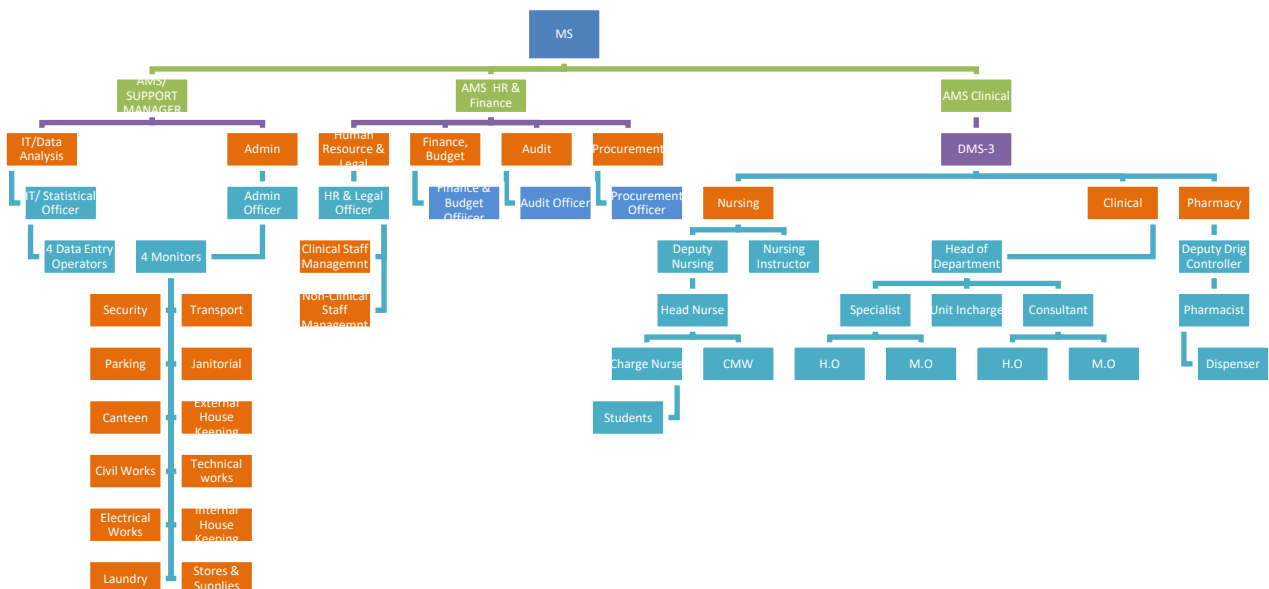
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

### 5.8.2.10 Data Entry Operators (DEO)

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

#### Eligible Criteria

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



### Financial Implications of New Management Model

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

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

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

### **5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES**

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

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

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

## **5.10 PATIENT MANAGEMENT PROTOCOL**

### **5.10.1 EMERGENCY:**

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

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

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

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

#### **5.10.2 O.P.D:**

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

#### **5.10.3 DEATH OR END OF LIFE MANAGEMENT.**

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

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

#### **5.10.4 INVENTORY CONTROL SYSTEM**

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

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

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

#### **5.10.5 PROJECT MONITORING COMMITTEE**

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

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

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



## **6. DESCRIPTION AND JUSTIFICATION OF PROJECT**

### **6.1 JUSTIFICATION OF PROJECT**

attached

## **6.1 DESCRIPTION AND JUSTIFICATION**

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

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

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

### **JUSTIFICATION FOR REVISION OF PC-I**

1. Civil work revamping of all DHQ & 15 THQ Hospitals was undertaken during the FY 2016-17 through Infrastructure Development Authority Punjab (IDAP). Later on the IDAP informed that they will not be able to take the next revamping plan of DHQ/THQ Hospitals of Punjab on the grounds that it does not fall in the project role of IDAP specified in the 36th meeting of Principal Cabinet of IDAP held on 06-10-2020. Accordingly, on the basis of revised RCE of IDAP and de-scope civil work for 25 sub-schemes of all DHQ and 15 THQ Hospitals have been approved from PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded. Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC.

Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 45.971 million to Rs. 81.144 million due to few changes in the scope and MRS rates (2<sup>nd</sup> Bi-annual 2022).

- 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 60<sup>th</sup> PDWP meeting as under: -

Name of Posts	60 <sup>th</sup> 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 83<sup>rd</sup> PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I. Due this the revenue component meant only for salaries of NMS staff has been increased.

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

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

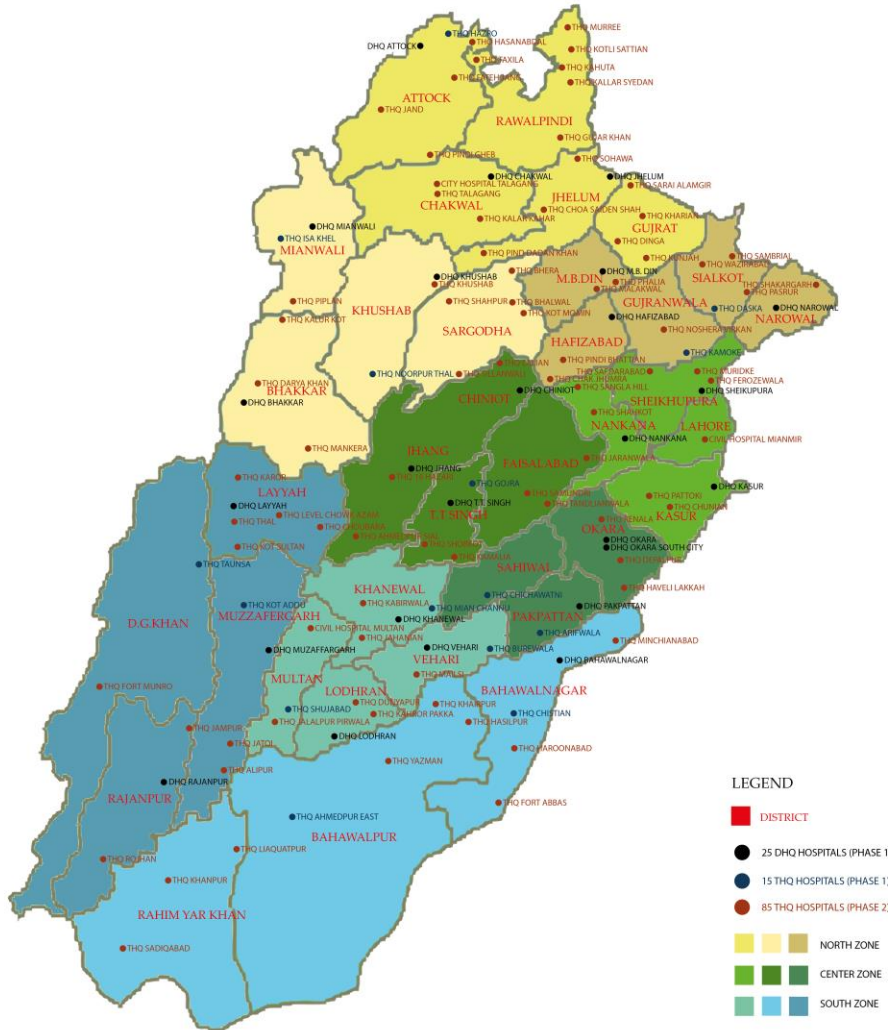
given

below

PROJECT MANAGEMENT UNIT  
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



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

- 1 DHQ Hospital Attock
- 2 DHQ Hospital Bahawalnagar
- 3 DHQ Hospital Bhakhar
- 4 DHQ Hospital Chakwal
- 5 DHQ Hospital Chiniot
- 6 DHQ Hospital Hafizabad

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

## 6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

**7. CAPITAL COST ESTIMATES**

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

**Grant Number:**Development - (PC22036)  
**LO NO:**LO21010547  
**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	0.000	0.000	0.000	0.000	0.000	0.000
2	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21011578  
**A/C To be Credited:**Account-I

PKR Million

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



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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010093  
**A/C To be Credited:**Account-I

PKR Million

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

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

# Abstract of Cost

Name of THQ Hospital	Ahmedpur East					
Scope of work						
	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>						
Internal Development	42.349	0.000	42.349	57.988	0.000	57.988
External Development	3.622	0.000	3.622	23.156	0.000	23.156
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Capital Component</b>	<b>45.971</b>	<b>0.000</b>	<b>45.971</b>	<b>81.144</b>	<b>0.000</b>	<b>81.144</b>
<b>Revenue component</b>						
Human resource (HR) plan	0.000	17.520	17.520	0.000	34.592	34.592
Electricity	0.000	9.500	9.500	0.000	9.500	9.500
<b>Total Revenue component</b>	<b>0.000</b>	<b>27.020</b>	<b>27.020</b>	<b>0.000</b>	<b>44.092</b>	<b>44.092</b>
<b>Total</b>	<b>45.971</b>	<b>27.020</b>	<b>72.991</b>	<b>81.144</b>	<b>44.092</b>	<b>125.236</b>
<b>Grand Total</b>	<b>45.971</b>	<b>27.020</b>	<b>72.991</b>	<b>81.144</b>	<b>44.092</b>	<b>125.236</b>

## Human Resource Model of THQ Hospital

NAME OF POST	Original				1st Revised				
	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
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
<b>Sub Total of HR Model</b>	<b>11</b>		<b>730,000</b>	<b>17,520,000</b>	<b>11</b>	<b>50</b>	<b>849,000</b>	<b>963,000</b>	<b>29,853,000</b>
				17.520					29.853
<b>Utilization of HR Component</b>				<b>4.739</b>					
									<b>34.592</b>

# Electricity

Sr. No	Item Description	Qty	Unit Cost	Total Cost
1	Transformer	4	1,250,000	5,000,000
1	Generator 100 KVA	1	4,500,000	4,500,000
				9,500,000
				9.500

From

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

To

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

Memo No.76-Dev/2014/*2491* /Dev. Dated 19.10.2022

*Amended*  
Subject: REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHO/15-THO HOSPITALS IN PUNJAB ONE AT TEHSIL AHMEDPUR EAST DISTRICT BAHAWALPUR" ADP NO.660 FOR THE YEAR 2022-23.

*87.145* Please find enclosed copy of Revised Rough Cost Estimate amounting to ~~Rs.26.140(M)~~ duly vetted by the Chief Engineer for arranging Revised Administrative Approval.

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

DA/As Above.

*[Signature]*  
DEPUTY DIRECTOR-II  
for Chief Engineer, South Zone,  
Punjab Buildings Department, Lahore.

Endst: No.

/Dev, Dated 10.2022.

A copy is forwarded for information to:-

- 1 The Superintending Engineer, Buildings Circle, Bahawalpur for information with reference to his letter No.1392/DB, dated 27.09.2022.
- 2 The Executive Engineer, Buildings Division No.02, Bahawalpur.
- 3 The Chief Draftsman (Local).

DA/Nil.

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

RECEIVED	
Diary No: 5757	
Date: 28-10-22	
Deputy PD	PMU, PASHD
Finance & Admin	
Procurement	
Outsourcing	
Infrastructure	
Planning & HR	
ICT	
Operations	
Health	
Legal	
I & C	
BERC	

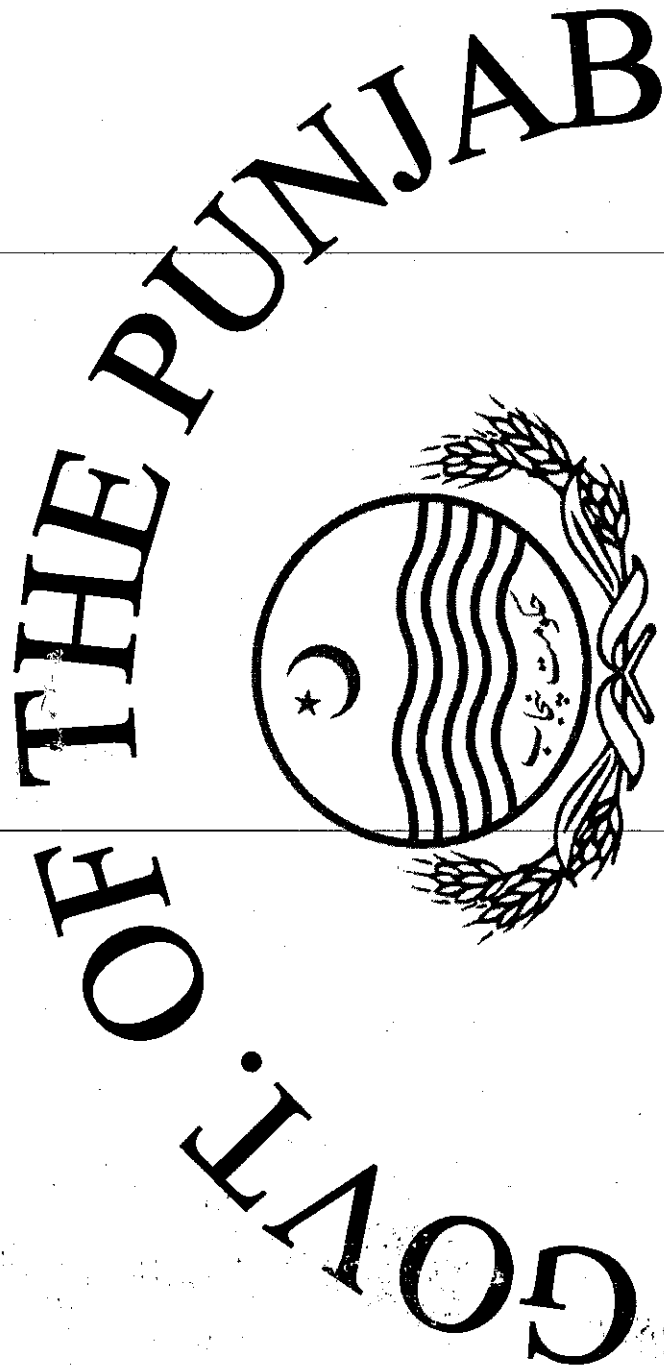
Received  
*[Signature]*

25/10/2022

Consultant Civil

Please check

these estimates. *[Signature]*  
25/10/2022



# BUILDINGS DEPARTMENT

**CIRCLE:-**

BUILDINGS CIRCLE BAHAWALPUR

**DIVISION:-**

BUILDINGS DIVISION NO. 2  
BAHAWALPUR

**SUB DIVISION:-**

BUILDINGS SUB DIVISION  
AHMED PUR EAST

**NAME OF WORK:-**

REVISED ROUGH COST ESTIMATE FOR  
THE SCHEME "BALANCE WORK OF  
REVAMPING OF ALL DHQ / 15 THQ  
HOSPITALS IN PUNJAB ONE AT TEHSIL  
AHMED PUR EAST, DISTRICT  
BAHAWALPUR".  
(ADP 2022-23, NO. 660)

**ESTIMATED COST:-**

= Rs. ~~96,348,000~~ /-

**MILLIONS**

= Rs. ~~96,348~~ M

*96,348,000/-*

*96,348 M*

*8/1/15*

**REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHO / 15 THO HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR"**  
(ADP 2022-23, NO. 660)

**HIS. ORY:-**

The Govt. of Punjab is taking very keen interest in revamping the existing health facilities in order to facilitate the public. Few of the health facilities were revamped by IDAP but the work was not completed. Then, the health department took initiative to complete the remaining work from the C&W department. Revamping of T.H.Q Ahmed Pur East was the part of that scheme executed by the IDAP and IDAP left it incomplete. In order to complete the remaining work, a block scheme was reflected in ADP-2021-22. Then the scheme was administratively approved by client department vide office Letter No. PO(D-II)Revamping/P-1/21, Dated: 09 Nov 2021 amounting to Rs. 45,971 (M) But work was not awarded due to non-provision of funds. In ADP-2022-23, this scheme is again reflected vide ADP No. 660 and health department requested to provide Revised Rough Cost Estimate as per new MRS 2nd Bi-Annual 2022 and revised scope is provided by PMU P&SH department Lahore. After joint visit of PMU team and department representative Hence, this revised rough cost estimate amounting to Rs. 96,348 (M) for the scheme titled above on the basis of MRS 2nd Bi-Annual Period Jul 2022 to Dec 2022 BWP, is furnished as per new scope. The responsibility of all previous work will lie on the IDAP and C&W department will only do the remaining work.

The design of electrical panels and external main cables are provided by the PMU P&SH, which is attached with this estimate.

Now, this Revised Rough Cost estimate amounting to Rs. 96,348 (M) has been prepared for the above titled scheme as per new MRS 2nd Bi-Annual Period Jul 2022 to Dec 2022 BWP, for granting administrative approval from the competent authority please. *While preparing this estimate, all the new specifications issued by the Chief Architect vide office Memo No. CA/DA-I/100A-I/1456-64 dt: 18-07-2022 have been taken into consideration.*

The following provisions are made in the estimate.

Sr. No.	Description of Item	Qty	Unit
1	Revamping of X-Ray Block.	1 Nos x 1430	Sft
2	Revamping of C.C.U Block.	1 Nos x 3731	Sft
3	Revamping of Indoor Block (Male / Female)	1 Nos x 14279	Sft
4	Provision of Electrical Control Room (20' x 14' insize)	1 Nos x 362	Sft
5	Provision of 0.25 Cusec Turbine i/c Turbine Chamber, Boring, Lowring, Water Supply Distribution System etc. complete.	1 x 1	Job
6	Provision of O.H.R.	1 x 5,000	Gins
7	Provision of Fire Alaram System in Building.	1 x 1	Job
8	Revamping of existing Sewer Lines.	1 x 1	Job
9	Provision of external wiring.	1 x 1	Job
10	Provision of stree lights.	1 x 15	Nos
11	Provision of External Development.	1 x 1	Job

**SPECIFICATIONS:-**

Latest approved Specification of the Punjab Buildings Department will be followed during execution of the scheme and work will be got carried out to the entire satisfaction of the Engineer In charge.

**RATES:-**

The estimate has been prepared by using M.R.S / Plinth Area Rates for ~~2nd~~ <sup>July</sup> Bi-Annual Period 2022 to December 2022. Bahawalpur.)

**COST:-**

The total cost of this scheme works out to

**LAND:-**

There is no provision of land has made in this estimate the same will be provided by the client department.

**TIME LIMIT:-**

It will take about a period of 15-Months to complete the work from the actual date of commencement. Provided adequate funds are required.

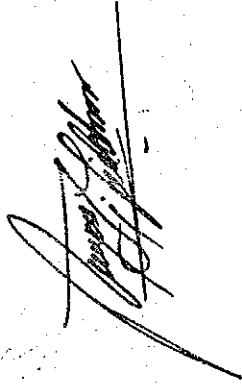


EXPENDITURES:-

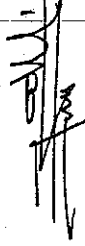
No expenditure will be incurred unless the estimate is approved administratively / technically sanctioned and availability of funds.

CARRYING OUT OF WORK:-

The work will be carried out at site through the approved Govt. Contractor of this department after calling competitive tenders as per usual practice of the Department.



SUB-DIVISIONAL OFFICER  
Buildings Sub-Division,  
Ahmed Pur East



EXECUTIVE ENGINEER  
Buildings Division No. II,  
Rawalpindi

SCOPE FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL AHMEDPUR EAST

Sr No	Description	Condition	Additional Information
	Water Supply System		New OHR of capacity 5000 gallons with new external water supply lines of properly designed dia needs to be relaid for smooth water supply to various Clinical Blocks of the Hospital.
	Sewerage System		Sewerage line of Hospital is chocked/blocked needs to be disilted and only damaged/broken sewerage lines need to be replaced.
	External Pathways		No work Required.
	Boundary Wall		Not Required
	Main Gate		Not Required
	Sources of Electircal Supply		Demand Notice to be paid for Dual Supply or Express Line.
	Transformer		Requirement of transformer will be assessed after visit of Wapda & DN to be paid accordingly as per site requirement.
	ATS Panel for Generators		As per site requirement.
	Electrical Panel Room		Electrical Room needs to be made.
	External Wires		All external wires/cables should be replaced after detail electrical analysis & design. Moreover these main wires should be concealed in all respects.
	Water Filtration Plant		Filtration plant is already functional not required.

SCOPE OF WORK FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL AHMED PUR EAST DISTRICT BAHAWALPUR

Sr. No. Item	Radiology Block	CCU Block	Indoor Block (Male and Female Wards)	Remarks
1 Porcelain Floor Tile Replacement	<p>In Radiology block inside 4 x 4 rooms all floor tiles full body porcelain matching with existing tiles. In revamped areas by IDAP needs to be fixed.</p> <p>Note No work needs to be executed in areas revamped by IDAP.</p>	<p>In entire CCU block all floor tiles full body porcelain needs to be fixed where at present, 4 x 4 inside B x 4 wards all floor tiles full body porcelain needs to be fixed.</p>	<p>All floor tiles full body porcelain needs to be fixed in entire Indoor Block.</p> <p>All floor tiles full body porcelain needs to be fixed in main corridor, outer corridor and inner corridor of Indoor block.</p> <p>All floor tiles full body porcelain in Male, Female, Gyane and Peads ward needs to be fixed.</p>	<p>Tiles specifications, brand, size and installation will be as per specified C&amp;W standards.</p>
2 Porcelain Wall Tile replacement	<p>In Radiology block inside 4 x 4 rooms all wall dado tiles full body porcelain matching with existing tiles in revamped areas by IDAP needs to be fixed.</p> <p>Note No work needs to be executed in areas revamped by IDAP.</p> <p>Note Wall dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices.</p>	<p>In entire CCU block wall dado tiles full body porcelain tiles inside main corridor and in rooms need to be fixed. Inside B x 4 wards all wall dado tiles full body porcelain needs to be fixed.</p> <p>Note Wall dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices.</p>	<p>All wall dado tiles full body porcelain needs to be fixed in entire Indoor Block.</p> <p>All wall dado tiles full body porcelain needs to be fixed in main corridor, outer corridor and inner corridor of Indoor block up to height of 6 ft.</p> <p>All wall dado tiles full body porcelain in Male, Female, Gyane and Peads ward needs to be fixed up to height of 6 ft.</p> <p>Note Wall dado must be upto 6 ft. or as per existing corridor dado level and 6" inside rooms/offices.</p>	<p>Tiles specifications, brand, size and installation will be as per specified C&amp;W standards.</p>
3 Wooden Doors flush or Solid/ Main Doors and Aluminum Doors	<p>All doors in Radiology block needs to be replaced with new wooden doors matching with the doors revamped by IDAP.</p> <p>Note No door to be fixed in areas revamped by IDAP.</p>	<p>All damaged doors (which are to be replaced by new wooden doors) remaining doors will only be fixed properly after strapping the old paint.</p>	<p>Only damaged doors need to be replaced with new wooden doors. Most of the Doors are in good condition needs to be repaired and only needs to be polished.</p> <p>All wards entrance and exit doors need to be replaced with Aluminum doors half solid and half glazed glass.</p> <p>Note All doors in Female/Gyane ward needs to be retained only doors other than Aluminum needs to be replaced with Aluminum doors half solid and half glass.</p>	<p>Specifications, woodtype of door, polish, door locks and handles will be as per specified C&amp;W standards.</p>
4 Verandah opening (opening to open area/ MS Windows on Façade)	<p>Not Required.</p>	<p>MS angle iron &amp; double jalli.</p>	<p>Specifications will be as per C&amp;W standards.</p>	

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5	Existing Internal Windows	7 x Existing MS internal windows inside Radiology Block needs to be replaced with Aluminum Windows with safety grill and marble sill. MS Windows at facade and inside rooms/offices also need to be replaced with Aluminum windows. Existing Aluminum windows need to be retained. Note No window need to be changed in Areas Revamped by IDAP.	All Existing MS internal windows inside male ward Aluminum Windows. Note Aluminum windows in Female/Gyane ward needs to be retained only safety grill needs to be removed. Note All ventilators need to be replaced with Aluminum ventilators. Note All windows other than Aluminum needs to be replaced with Aluminum windows.	Specifications, Aluminum and glass color will be per specified C&W Standards
6	Internal Electric fittings	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans, should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	Model Specifications/ Brands, should be as per specified C&W Standards.
7	Internal Lighting Fixtures	All corridors and rooms should fit with SMD's with concealed wiring.	All corridors and rooms should fit with SMD's with concealed wiring.	Model Specifications/ Brands and distance should be as per specified C&W Standards.
8	Revamping of Public Toilets	3 x Public/Attendant washrooms in Public Block needs to be revamped completely by fixing full body porcelain tiles on floor and wall to a minimum height of 7 ft. All existing fixtures stay to be replaced with new water supply along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common ventilators to be replaced with UPVC doors. Exhaust fans to be replaced as per available in the block. Note No washrooms to be revamped in areas.	3 Public/Attendant washrooms in Indoor Block need to be revamped completely by fixing full body porcelain tiles on floor and wall to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common ventilators to be replaced with UPVC doors. Exhaust fans to be replaced as per available in the block. Note No washrooms to be revamped in areas.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.
9	Wall Paint	Surface of walls of Public Block should be prepared after plastering in patches (where required) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards.
10	Roof Treatment	Required as per C&W standards.	Required as per C&W standards.	
11	Nursing Counter (Ward)	Not required.	Existing counter will be provided upto 2.5' height with marble on top as per C&W standards.	
12	Stairs - Marble and Railing	Not required.	Not required.	Marble/Granite type and installation technique will be as per C&W Standards.

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13	Entrance	On Entrance of Radiology Block on Podium and ramps Marble/Granite needs to be fixed	Not Required	On all Entrances Podium and steps Marble/Granite needs to be fixed. 2 x doors at Entrance in main corridor of Indoor Block needs to be replaced with Aluminum color half solid and half glass.	
14	Ramps - Tile and Railing	Ramp at Entrance of Radiology Block needs to have Antiskid tiles with SS Railing.	Entrance of CCU Block to have Antiskid tiles with	On ramp at Entrance Antiskid tiles with SS railing needs to be fixed.	
15	Facade Uplifting	Facade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards. Note Facade needs to be made as per matching with IDAP on two of sides (front and adjacent side facing towards road) per site visit only as indicated during site visit.	Upstands to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Facade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	
16	Lead lining Walls (X-Ray)	Lead lining needs to be done inside X-Ray Room in Radiology Block.	Not Required	Not required.	
17	Antimicrobial Treatment (OTE)	Not required.	Not Required	Not required.	
18	External Weather Shield	External weather shield of grey and white pattern of first class quality needs to be done on the front elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	
19	Edge Protection	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	
20	Columns SS Cladding	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	
21	Plumbing Works	Leakage of water in 74 coverage needs to be treated. Seepage issues need to be rectified.	Leakage of water in 74 coverage needs to be treated. Seepage issues need to be rectified.	Leakage of water in 74 coverage needs to be treated. Seepage issues need to be rectified.	
22	Fire Alarm System	Not required.	Not Required	Not required.	

CU

23	Expansion joint of Building	<p>Treat expansion joint of building properly &amp; cover it with SS plate and water bearer inside as per standards</p> <p>Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.</p>	<p>Treat expansion joint of building properly &amp; cover it with SS plate and water bearer inside as per standards</p> <p>Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.</p>	<p>Treat expansion joint of building properly &amp; cover it with SS plate and water bearer inside as per C&amp;W standards</p> <p>Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.</p>
24	Specific Points	<p>1) In Radiology department collapsible door needs to be replaced with Aluminum door half solid and half glass.</p> <p>2) Entrance door of CCU block to be replaced with Aluminum door half solid and half glass. Entrance doors of 8 x wards in CCU block to be replaced with Aluminum doors of regular size needs to be fixed.</p> <p>3) Corridor inside offices in CCU block needs to be revamped completely.</p> <p>4) Corridor in CCU block needs to be revamped completely.</p> <p>5) On-Nursing Corridor in CCU block needs to be revamped completely.</p>	<p>1) In Radiology department collapsible door needs to be replaced with Aluminum door half solid and half glass.</p> <p>2) Entrance door of CCU block to be replaced with Aluminum door half solid and half glass. Entrance doors of 8 x wards in CCU block to be replaced with Aluminum doors of regular size needs to be fixed.</p> <p>3) Corridor inside offices in CCU block needs to be revamped completely.</p> <p>4) Corridor in CCU block needs to be revamped completely.</p> <p>5) On-Nursing Corridor in CCU block needs to be revamped completely.</p>	<p>1) In Radiology department collapsible door needs to be replaced with Aluminum door half solid and half glass.</p> <p>2) Entrance door of CCU block to be replaced with Aluminum door half solid and half glass. Entrance doors of 8 x wards in CCU block to be replaced with Aluminum doors of regular size needs to be fixed.</p> <p>3) Corridor inside offices in CCU block needs to be revamped completely.</p> <p>4) Corridor in CCU block needs to be revamped completely.</p> <p>5) On-Nursing Corridor in CCU block needs to be revamped completely.</p>
25	Electrification	<p>All external main cables of hospital which are hanging in air should be concealed in all respects. Similarly, few existing DB's need to be replaced with earthing with proper earthing of complete hospital.</p>	<p>All external main cables of hospital which are hanging in air should be concealed in all respects. Similarly, few existing DB's need to be replaced with earthing with proper earthing of complete hospital.</p>	<p>All external main cables of hospital which are hanging in air should be concealed in all respects. Similarly, few existing DB's need to be replaced with earthing with proper earthing of complete hospital.</p>

*U. Khan*

Approved By

Haniza Naseem

PM Civil

PMU PS SHD



Primary & Secondary  
Healthcare Department

GOVERNMENT OF THE PUNJAB  
Dated Lahore the 27/07/2021

**ORDER**

No. PO (Revamping)/P-1/71: Consequent upon the decision of Departmental Development Sub Committee (DSSC), in its meeting held on 17.01.2021, the Government of Punjab is pleased to accord Administrative Approval of (7 sub-schemes) i.e. block schemes titled "Balance Work of Revamping of all DIHQ / 15 THQ Hospitals in Punjab" at cost mentioned against each scheme, with gestation period from 01.07.2021 to 30.06.2023:

Sr. No.	Sub Scheme Title	Rs. in Millions		
		Capital Component	Approved Revenue Component	Total
1	Balance work of Revamping of DIHQ Hospital Bhakkar	115.450	25.440	140.890
2	Balance work of Revamping of DIHQ Hospital Jhang	130.628	25.440	156.068
3	Balance work of Revamping of DIHQ Hospital Okara South City	43.810	25.440	69.250
4	Balance work of Revamping of THQ Hospital Attock	45.971	22.520	68.491
5	Balance work of Revamping of THQ Hospital Faisalabad	78.305	17.520	95.825
6	Balance work of Revamping of THQ Hospital Taunsa	81.901	17.520	99.421
7	Balance work of Revamping of THQ Hospital Kot Adan	101.630	17.520	119.150

2. The expenditure involved will be debit-able under the following heads of account

Capital Component  
Grant No. 12042 (42) Government Building-01-Economic Affairs-045 Construction and Transport -045 / Construction Work-0457-02 Building and structure.

Revenue Component  
Grant No. PC-22036 (030) Development-07 Health -073 - Hospital Services-0731-General Hospital Services - 073101 General Hospital Services.

*(Signature)*  
IMRAN SIKANDAR BALOCH  
SECRETARY P&SH DEPARTMENT

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
<b>A) X-Ray Block</b>																
A	Dismantling (Total Dismantling of all blocks)	1 Job	877,900	P.Job	Rs. 877900/-	1 Job	1,185,834	-	-	-	1,185,834	P.Job	Rs. 1185834/-	307,934		Detail Attached
B-I	Revamping of X-Ray Block (On MRS Hems)	1111 Sft	261	P.Sft	Rs. 290315/-	1430 Sft	1,662.72	-	-	-	1,662.72	P.Sft	Rs. 2377690/-	2,087,374		Detail Attached / MRS 2nd Bi-Annual 2022
B-II	Revamping of X-Ray Block (Electrical & Public Health Work)					1430 Sft	-	120	227	-	347	P.Sft	Rs. 496210/-	496,210		Based on Plinth Area Rates for 2nd Bi-Annual 2022
1	Providing and laying 3/4" thick Repolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft i/c bevelling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	9 Sft	495	P.Sft	Rs. 4455/-	0 Sft	413.75	-	-	-	413.75	P.Sft	Rs. /-			Included in Plinth Area Rates 2nd Bi-Annual 2022
2	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect.	44 Sft	394	P.Sft	Rs. 17336/-	222 Sft	863.90	-	-	-	863.90	P.Sft	Rs. 191786/-	174,450		as per new scope provided by the client & New Drawings
3	Providing and fixing laminated tempered glass for compensing of aluminium frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.	455 Sft	1,850	P.Sft	Rs. 841750/-	0 Sft	0	-	-	-	0	P.Sft	Rs. /-	841,750		deleted due to new scope provided by the client department
4	Providing and fixing wooden box type wardrobe 22" (550mm) deep including 1/2" (20 mm) thick boxing and shelves, hanger rods, hard board drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint: Decodar wood boxing, and decodar woodshelves and leaves, etc.	30 Sft	1,400	P.Sft	Rs. 42000/-	30 Sft	2557.85	-	-	-	2,557.85	P.Sft	Rs. 76736/-	34,736		as per new scope provided by the client & New Drawings
5	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling by best quality i/c border complete in all respect and as approved by the Engineer Incharge.	1341 Sft	110	P.Sft	Rs. 147510/-	0 Sft	0	-	-	-	0	P.Sft	Rs. /-	147,510		deleted due to new scope provided by the client department
6	Providing and fixing approved quality hydroallic door closer Japan-made-complete.	6 No	3,300	Each	Rs. 19800/-	6 No	2939	-	-	-	2,939	Each	Rs. 17634/-	2,166		as per new scope
7	Providing and fixing stainless steel edge protector, complete in all respects as approved and directed by the Engineer Incharge.	0 No	0	Each	Rs. /-	200 Rft	850	-	-	-	850	P.Rft	Rs. 170000/-	170,000		as per new scope provided by the client & New Drawings
8	Providing and fixing lead lining 2 mm thick lead sheath with wall for radiation protection upto roof height as per instruction and covering with MDF board 3/4" thick paneling including frame of kail wood 1-1/2" x 2" including termite proofing and fancy decodar wood beading complete in all respects as directed and approved by the Engineer Incharge. also approved by the Radiation Protecting Agency.	0 No	0	Each	Rs. /-	1532 Sft	2600	-	-	-	2,600	P.Sft	Rs. 3988200/-	3,983,200		--do--



(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost					Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks		
9	Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer Incharge.	0 No	0	Each	Rs. /-	192	Rft	1596	-	-	-	-	-	-	-	-	1,596	P.Rft	Rs. 306432/-	306,432	--do--		
10	Construction of Front Entrance Elevation	1 Job	361,500	P.Job	Rs. 361500/-	1	Job	577817	-	-	-	-	-	-	-	-	577,817	P.Job	Rs. 577817/-	216,317	--do--		
11	Construction of Side Entrance Elevation	1 Job	357,800	P.Job	Rs. 357800/-	1	Job	595279	-	-	-	-	-	-	-	-	595,279	P.Job	Rs. 595279/-	237,479	--do--		
12	Construction of Single Window Elevation	2 Job	82,400	P.Job	Rs. 164800/-	2	Job	125554	-	-	-	-	-	-	-	-	125,554	P.Job	Rs. 251108/-	86,308	--do--		
13	Construction of Double Window Elevation	1 Job	158,200	P.Job	Rs. 158200/-	2	Job	240249	-	-	-	-	-	-	-	-	240,249	P.Job	Rs. 480498/-	322,298	--do--		
B	Surgical Block								Additional Items Total, X-Ray Block only.														
A-1	Revamping of Surgical Block (On MRS Items)	7136	585	P.Sft	Rs. 4174560/-	7953	Sft	1,123,42	-	-	-	-	-	-	-	-	1,123	P.Sft	Rs. 8934520/-	4,759,960		Detail Attached / MRS 2nd Bi-Annual 2022	
A-II	Revamping of Surgical Block (Electrical & Public Health work)					7953	Sft	120	227	-	-	-	-	-	-	-	347	P.Sft	Rs. 2759691/-	2,759,691		Based on Plinth Area Rates for 2nd Bi-Annual 2022	
1	Providing and fixing UPVC Doors 38mm thickness i/c Delux (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee matching color UPVC frame matt or glossy finish having color Brown-Honey Pine Wood-Mahogany-Mary Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.	329	730	P.Sft	Rs. 240170/-	0	Sft	0	-	-	-	-	-	-	-	-	0	P.Sft	Rs. /-	240,170		deleted due to new client department	
2	Providing and fixing 2" wide MS/GI Chowkat single/double rebate made of 16 SWG MS sheet pressed/welded/supported with M.S. flat 1-1/4" x 1/8" i/c 6" long M.S. flat 1"x1/8" hold fasts (6-Nos) welded/screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:3) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.																						
	13.5" Wide	63	457	P.Sft	Rs. 28791/-	823	Sft	731.75	-	-	-	-	-	-	-	-	731.75	P.Sft	Rs. 602230/-	573,439		as per new scope	
	9" Wide	21	376	P.Sft	Rs. 7896/-	588	Sft	626.40	-	-	-	-	-	-	-	-	626.40	P.Sft	Rs. 368323/-	360,427		as per new scope	
	4.5" Wide	245	310	P.Sft	Rs. 75950/-	245	Sft	434.50	-	-	-	-	-	-	-	-	434.50	P.Sft	Rs. 106453/-	30,503		--do--	
3	aluminium frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.	170	1,850	P.Sft	Rs. 314500/-	0	Sft	0	-	-	-	-	-	-	-	-	0	P.Sft	Rs. /-	314,500		deleted due to new client department	
4	Providing and fixing approved quality hydroalatic door closer Japan made complete.	28	3,300	P.Sft	Rs. 92400/-	35	Sft	2939	-	-	-	-	-	-	-	-	2,939	P.Sft	Rs. 102865/-	10,465		as per new scope	
5	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft i/c bevelling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	382	495	P.Sft	Rs. 189090/-	0	Sft	413.70	-	-	-	-	-	-	-	-	414	P.Sft	Rs. /-	189,090		deleted due to new client department	
6	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1" MS Box for frame of windows of approved design including painting 3 coat complete in all respect.	1584	394	P.Sft	Rs. 624096/-	1584	Sft	863.90	-	-	-	-	-	-	-	-	864	P.Sft	Rs. 1368418/-	744,322		as per new scope provided by the client & New Drawings	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	As per Revised Rough Cost			Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
											Total	Total	Total					
7	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	782	SR	281	P.SH	5820	341.90				342	P.SH	Rs. 1989858/-	1,770,116				-do-
8	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	828	SR	281	P.SH	7212	341.90				342	P.SH	Rs. 2465783/-	2,233,115				-do-
9	Providing and laying of Ceramic tile size 12"X18"X24" / 8"X24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	605	SR	196	P.SH	0	0				0	P.SH	Rs. 118580/-	118,580				deleted due to new scope provided by the client department
10	Providing and laying of Ceramic tile size 12"X18"X24" / 8"X24" Texture Normal Gloss Skirting/dado as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	2819	SR	196	P.SH	0	0				0	P.SH	Rs. 552524/-	552,524				-do-
11	Providing and fixing of false ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminium Tees 1" x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc. complete in all respects, and as approved by the Engineer Incharge.	5820	SR	100	P.SH	2319	100.30				100.30	P.SH	Rs. 232596/-	349,404				(where necessary for completion of previous work) as per new scope provided by the client & New Drawings
12	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling best quality i/c border complete in all respect and as approved by the Engineer Incharge.	3017	SR	110	P.SH	0	0				0	P.SH	Rs. 331870/-	331,870				deleted due to new scope provided by the client department
13	P/F Stainless steel patit for safety of corners etc complete in all respects.	165	Rft	350	P.Rft	1000	850				850	P.Rft	Rs. 57750/-	792,250				as per new scope provided by the client & New Drawings
14	P/F sign board 5mm thick glass i/c graving letters and fixing with screws complete.	90	SR	750	P.SH	0	0				0	P.SH	Rs. 67500/-	67,500				included in plinth area rates of E.I.
15	Supply and erection of SMD Light 17-Watt (Phillips)	140	No	1,970	Each	0	0				0	Each	Rs. 275800/-	275,800				-do-
16	Supply and erection of LED Lamp 7-Watt (Phillips)	50	No	450	Each	0	0				0	Each	Rs. 22500/-	22,500				-do-
17	Supply and erection of LED Lamp 70-Watt (Phillips)	3	No	20,700	Each	0	0				0	Each	Rs. 62100/-	62,100				-do-

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost					P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks	
						B.P.	P.H	E.I	S.G	Total										
18	Providing and fixing at site of work Exhaust fan 12" sweep (Metal body) made of Pak/Younas/G.F.C. or equivalent approved make /ic cost of necessary cable for connection from ceiling rose and shutter complete.	2	No	Each	Rs. 5600/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		5,600	-do-	
19	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Younas/G.F.C. or equivalent approved make /ic cost of necessary cable for connection from ceiling rose and shutter complete.	2	No	Each	Rs. 6800/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		6,800	-do-	
20	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer incharge.	4	No	Each	Rs. 72000/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		72,000	Included in plinth area rates of P.H.	
21	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer incharge.	6	No	Each	Rs. 39000/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		39,000	-do-	
22	Providing and fixing Shower along with mixing valve and rod SONIX/Master/falsal complete in all respects as approved by the Engineer incharge.	2	No	Each	Rs. 40000/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		40,000	-do-	
23	Providing and fixing Muslim Double Bib Cock 90 angle /ic shower and 1-meter long rubber pipe complete in all respects as approved by the E.I	4	No	Each	Rs. 12000/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		12,000	-do-	
24	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, etc complete in all respects as approved by the Engineer incharge.	4	No	Each	Rs. 22000/-	0	0	0	0	0	0	0	0	0	Each	Rs. /-		22,000	-do-	
25	Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer incharge.	0	No	Each	Rs. /-	384	Rft	1596	-	-	-	-	-	-	P.Rft	Rs. 612864/-	612,864		as per new scope provided by the client & New Drawings	
26	Construction of Front Entrance Elevation	1	Job	P.Job	Rs. 717700/-	1	Job	1058913	-	-	-	-	-	-	P.Job	Rs. 1058913/-	341,213		-do-	
27	Construction of Side Entrance Elevation	1	Job	P.Job	Rs. 357800/-	1	Job	595279	-	-	-	-	-	-	P.Job	Rs. 595279/-	237,479		-do-	
28	Construction of Front Single Window Elevation	8	Job	P.Job	Rs. 82,400/-	0	Job	137740	-	-	-	-	-	-	P.Job	Rs. /-		659,200	-do-	
29	Construction of Front Double Window Elevation	4	Job	P.Job	Rs. 632800/-	0	Job	240249	-	-	-	-	-	-	P.Job	Rs. /-		632,800	-do-	
<b>(C) Gyne Block</b>		Additional items Total, Surgical only																		
		Rs. 10353581/-																		
A-I	Revamping of Gyne Block (On MRS Items)	8557	Sft	P.Sft	Rs. 5117086/-	6326	Sft	1,570.09	-	-	-	-	-	-	P.Sft	Rs. 9932401/-	4,815,315		Detail Attached / MRS 2nd Bi-Annual 2022	
A-II	Revamping of Gyne Block (Electrical & Public Health work)					6326	Sft	-	120	227	-	-	-	-	P.Sft	Rs. 2195122/-	2,195,122		Based on Plinth Area Rates for 2nd Bi-Annual 2022	
1	EXTRA NS Items																			
1	Providing and fixing UPVC Doors 38mm thickness /ic Delux matching color UPVC frame matt or glossy finish having color (White-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Mary Gold-Chocolate Brown-Honey Dew) /ic all accessories except locks complete in all respect as approval by the Engineer incharge.	252	Sft	P.Sft	Rs. 183960/-	0	Sft	0	0	-	-	-	-	-	P.Sft	Rs. /-		183,960	deleted due to new client department	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
2	Providing and fixing 2" wide MS/GI Chowkat single/double rebate made of 16 SWG MS sheet pressed/welded/supported with M.S. flat 1-1/4" x 1/8" i/c 6" long M.S. flat 1"x1/8" hold fasts (6-Nos) welded/screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.															
	10.50" Wide	0	0	P.S.H	Rs. /-	1156	731.75				731.75	P.S.H	Rs. 845903/-	845,903		
	9" Wide	42	376	P.S.H	Rs. 15792/-	42	626.40				626.40	P.S.H	Rs. 26309/-	10,517		as per new scope
	4.5" Wide	210	310	P.S.H	Rs. 65100/-	210	434.50				434.50	P.S.H	Rs. 91245/-	28,145		-do-
3	Providing and fixing laminated tempered glass for compensing of aluminum frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.	238	1,850	P.S.H	Rs. 44300/-	0	0				0	P.S.H	Rs. /-	440,300		deleted due to new scope provided by the client-department
4	Providing and fixing approved quality hydroalatic door closer Japan made complete.	30	3,300	P.S.H	Rs. 99000/-	30	2939				2939	P.S.H	Rs. 88170/-	10,830		as per new scope
5	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft i/c bevelling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	332	495	P.S.H	Rs. 164340/-	0	413.70				413.70	P.S.H	Rs. /-	164,340		Included in Plinth Area Rates 2nd Bi-Annual 2022
6	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect.	2417	394	P.S.H	Rs. 952298/-	2417	863.90				863.90	P.S.H	Rs. 2088046/-	1,135,748		as per new scope provided by the client & New Drawings
7	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	6210	281	P.S.H	Rs. 1745010/-	6607	341.90				341.90	P.S.H	Rs. 2258993/-	513,923		-do-
8	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	1443	281	P.S.H	Rs. 405483/-	7854	341.90				341.90	P.S.H	Rs. 2685283/-	2,279,800		-do-
9	Providing and laying of Ceramic tile size 12"x18"/10:X24"/8"x24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c approved by the Engineer Incharge.	396	196	P.S.H	Rs. 77616/-	0	0				0	P.S.H	Rs. /-	77,616		deleted due to new scope provided by the client department

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR", (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Total	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	As per Revised Rough Cost			Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
												Total	Each	No					
10	Providing and laying of Ceramic tile size 12"x18"/10"x24"/8"x24" approved Color and Shade laid over 3/4" thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	2433	Stt	196	P.Stt	Rs. 476868/-	0	0	0	0	0	0	0	0	P.Stt	Rs. /-	476,868	-do-	
11	Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9 10 mm over aluminium Tees 1"x1" size at 2'-0"x2'-0" center to center longitudinally and transversely & minimum angle of size 1" x 1" at corners/ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc. complete in all respects, and as approved by the Engineer Incharge.	4974	Stt	100	P.Stt	Rs. 497400/-	2042	SR	100.30	-	-	-	-	100.30	P.Stt	Rs. 204813/-	292,587	(where necessary for completion of previous work) as per new scope provided by the client & New Drawings	
12	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling best quality i/c border complete in all respect and as approved by the Engineer Incharge.	2193	Stt	110	P.Stt	Rs. 241230/-	0	SR	0	-	-	-	0	0	P.Stt	Rs. /-	241,230	deleted due to new scope provided by the client department	
13	P/F Stainless steel angle pattil for safety of corners etc complete in all respects.	125	Rt	350	P.Rt	Rs. 43750/-	480	Rt	850	-	-	-	850	850	P.Rt	Rs. 408000/-	364,250	as per new scope	
14	P/F sign board 5mm thick glass i/c gravng letters and fixing with screws complete.	72	Stt	750	P.Stt	Rs. 54000/-	0	Stt	0	-	-	-	0	0	P.Stt	Rs. /-	54,000	deleted due to new scope provided by the client department	
15	Supply, installation and commissioning of Main Electric Panel made of sheet steel 14 SWG, including all auxiliaries, internal wiring from Mccbs terminals on cable terminals blocks installed at the top of MPB, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 phase, neutral and earthing busbars made of 99.8% electrolytic copper of under mentioned capacities. Body of MPB shall be degreased and derusted having one coat of antirust paint with further 2 coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all respects and accordance with the latest BS codes and conforming to single line diagram. Rated current of Main & Neutral Bus Bar rated at 60 degree centrifuge All Breakers to be installed shall be of one make only and not mixture of two manufacturers. Make GE (Europe/ USA), MG. (Made in France), Mitsubshi and Terasaki (Made in Japan/Spain) ABB, Legrand, Front & Rear open able doors. Shop drawings shall be Submitted by the manufacturer for Approval to consultant before starting	1	No	29,000	Each	Rs. 29000/-	0	No	0	-	-	-	0	0	Each	Rs. /-	29,000	Included in plinth area rates of E.I.	
16	Supply and erection of SMD Light 17-Watt (Philips)	100	No	1,970	Each	Rs. 197000/-	0	No	0	-	-	-	0	0	Each	Rs. /-	197,000	-do-	
17	Supply and erection of LED Lamp 7-Watt (Philips)	50	No	450	Each	Rs. 22500/-	0	No	0	-	-	-	0	0	Each	Rs. /-	22,500	-do-	
18	Supply and erection of LED Lamp 70-Watt (Philips)	2	No	20,700	Each	Rs. 41400/-	0	No	0	-	-	-	0	0	Each	Rs. /-	41,400	-do-	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. Rc	Total	Unit	Amount (Rs.)	As per Revised Rough Cost					Plinth Area / Quantity	B.P.	P.H.	E.I.	S.G.	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks	
19	Providing and fixing at site of work Exhaust fan 12" sweep (Material) made of Pak/Younas/G.F.C. or equivalent approved make /i/c cost of necessary cable for connection from ceiling rose and shutter complete.	4 No	2,800	Each	Rs. 11200/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		11,200	--do--	
20	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Younas/G.F.C. or equivalent approved make /i/c cost of necessary cable for connection from ceiling rose and shutter complete.	5 No	3,400	Each	Rs. 17000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		17,000	--do--	
21	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer incharge.	2 No	18,000	Each	Rs. 36000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		36,000	Included in plinth area rates of P.H.	
22	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer incharge.	4 No	6,500	Each	Rs. 26000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		26,000	do	
23	Providing and fixing Shower along with mixing valve and rod SONIX/Master/Faisal complete in all respects as approved by the Engineer incharge.	2 No	20,000	Each	Rs. 40000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		40,000	--do--	
24	Providing and fixing Muslim Double Bib Cock 90 angle /i/c shower and 1-meter long rubber pipe complete in all respects as approved by the E.I.	2 No	3,000	Each	Rs. 6000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		6,000	--do--	
25	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, etc complete in all respects as approved by the Engineer incharge.	3 No	5,500	Each	Rs. 16500/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	Rs. /-		16,500	--do--	
26	Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer incharge.	0 No	0	Each	Rs. /-	1596	256	Rft	1596	1,596	P.Rft	Rs. 408576/-	408,576										as per new scope provided by the client & New Drawings
27	Construction of Front Entrance Elevation	1 Job	717,700	P.Job	Rs. 717700/-	0	0	0	0	0	0	0	0	0	0	0	0	P.Job	Rs. /-		717,700	--do--	
28	Construction of Front Single Window Elevation	7 Job	82,400	P.Job	Rs. 576800/-	0	0	0	0	0	0	0	0	0	0	0	0	P.Job	Rs. /-		576,800	--do--	
29	Construction of Front Double Window Elevation	3 Job	158,200	P.Job	Rs. 474600/-	0	0	0	0	0	0	0	0	0	0	0	0	P.Job	Rs. /-		474,600	--do--	
D) Dayalysis Unit																							
A	Revamping of Dayalysis Unit (On MRS Items)	1802 Sft	551	P.Sft	Rs. 992902/-	0	0	Sft	0	0	0	0	0	0	0	0	0	P.Sft	Rs. /-		992,902	scope provided by the client department	
1	Providing and fixing UPVC Doors 38mm thickness /i/c Delux (White-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Mary Gold-Chocolate Brown-Honey Dew) /i/c all accessories except locks complete in all respect as approved by the Engineer Incharge.	81 Sft	730	P.Sft	Rs. 59130/-	0	0	Sft	0	0	0	0	0	0	0	0	0	P.Sft	Rs. /-		59,130	--do--	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR", (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Total	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks	
																		As per Revised Rough Cost
2	Providing and fixing laminated tempered glass for comprising of aluminium frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.	28	Sft	376	P.Sft	Rs. 10528/-	0	0	-	-	-	0	P.Sft	Rs. /-		10,528		
	4.5" Wide	53	Sft	310	P.Sft	Rs. 16430/-	0	0	-	-	-	0	P.Sft	Rs. /-		16,430		
3	Providing and fixing laminated tempered glass for comprising of aluminium frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.	51	Sft	1,850	P.Sft	Rs. 94350/-	0	0	-	-	-	0	P.Sft	Rs. /-		94,350		
4	Providing and fixing approved quality hydropallic door closer Japan made complete.	7	Sft	3,300	P.Sft	Rs. 23100/-	0	0	-	-	-	0	P.Sft	Rs. /-		23,100		
5	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft i/c bevelling laid in white cement bed / over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	45	Sft	495	P.Sft	Rs. 22275/-	0	0	-	-	-	0	P.Sft	Rs. /-		22,275		
6	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect.	471	Sft	394	P.Sft	Rs. 185574/-	0	0	-	-	-	0	P.Sft	Rs. /-		185,574		
7	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	1242	Sft	281	P.Sft	Rs. 349002/-	0	0	-	-	-	0	P.Sft	Rs. /-		349,002		
8	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	401	Sft	281	P.Sft	Rs. 112681/-	0	0	-	-	-	0	P.Sft	Rs. /-		112,681		
9	Providing and laying of Ceramic tile size 12"x18"/10-X24"/8"x24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	91	Sft	196	P.Sft	Rs. 17836/-	0	0	-	-	-	0	P.Sft	Rs. /-		17,836		



REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost					Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
10	Providing and laying of Ceramic tile size 12"x18"/10"x24"/8"x24" Texture Normal Gloss Skirting/dado as per approved design & of approved Color and Shade laid over 3/4" thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	410	Sft	196	P.Sft	Rs. 80360/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	80,360	-do-	
11	Providing and laying Prepolished Granite 3/4" thick Red Robby cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	117	Sft	1,440	P.Sft	Rs. 168480/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	168,480	-do-	
12	Providing and laying Prepolished Granite 1/2" thick Red Robby full width for skirting i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	106	Sft	936	P.Sft	Rs. 99216/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	99,216	-do-	
13	Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminum Tee's 1"x1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at corners/including all accessories such as steel hanging wire, hooks, screws,nails, rowel plugs, Cross joints etc. complete in all respects, and as approved by the Engineer Incharge.	844	Sft	100	P.Sft	Rs. 84400/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	84,400	-do-	
14	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling 880 Sft 110 P.Sft Rs. 96800/- the Engineer Incharge. best quality i/c border complete in all respect and as approved by	880	Sft	110	P.Sft	Rs. 96800/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	96,800	-do-	
15	P/F Stainless steel patt for safty of corners etc complete in all respects.	65	Rft	350	P.Rft	Rs. 22750/-	0	0	0	0	0	0	0	0	0	0	0	P.Rft	22,750	-do-	
16	P/F sign board 5mm thick glass i/c gravng letters and fixing with secruws complete.	24	Sft	750	P.Sft	Rs. 18000/-	0	0	0	0	0	0	0	0	0	0	0	P.Sft	18,000	-do-	
17	Supply and erection of SMD Light 17-Watt (Philips)	12	No	1,970	Each	Rs. 23640/-	0	0	0	0	0	0	0	0	0	0	0	Each	23,640	-do-	
18	Supply and erection of LED Lamp 7-Watt (Philips)	5	No	450	Each	Rs. 2250/-	0	0	0	0	0	0	0	0	0	0	0	Each	2,250	-do-	
19	Supply and erection of LED Lamp 70-Watt (Philips)	2	No	20,700	Each	Rs. 41400/-	0	0	0	0	0	0	0	0	0	0	0	Each	41,400	-do-	
20	Providing and fixing at site of work Exhaust fan 12" sweep (Mater body) made of Pak/Younas/G.F.C. or equivalent approved make i/c shutter complete.	3	No	2,800	Each	Rs. 8400/-	0	0	0	0	0	0	0	0	0	0	0	Each	8,400	-do-	
21	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Younas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	2	No	3,400	Each	Rs. 6800/-	0	0	0	0	0	0	0	0	0	0	0	Each	6,800	-do-	
22	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer Incharge.	2	No	18,000	Each	Rs. 36000/-	0	0	0	0	0	0	0	0	0	0	0	Each	36,000	-do-	



REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. Rc	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	As per Revised Rough Cost			Amount (Rs.)	EXCESS	SAVING	Remarks
											Total	Unit	Amount (Rs.)				
23	Providing and fixing Shower along with mixing valve and rod SONIX/Master/Faisal complete in all respects as approved by the Engineer incharge.	2 No	20,000	Each	Rs. 40000/-	0 No	0	-	-	-	0	0	Each	Rs. /-	40,000	-do-	
24	Providing and fixing Muslim Double Bib Cock 90 angle i/c shower and 1-meter long rubber pipe complete in all respects as approved by the E.I	2 No	3,000	Each	Rs. 6000/-	0 No	0	-	-	-	0	0	Each	Rs. /-	6,000	-do-	
25	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, etc complete in all respects as approved by the Engineer incharge.	2 No	5,500	Each	Rs. 11000/-	0 No	0	-	-	-	0	0	Each	Rs. /-	11,000	-do-	
26	Construction of Ramp	1 Job	64,600	P.Job	Rs. 64600/-	0 Job	0	-	-	-	0	0	P.Job	Rs. /-	64,600	-do-	
27	Construction of Front Single Window Elevation	1 Job	82,400	P.Job	Rs. 82400/-	0 Job	0	-	-	-	0	0	P.Job	Rs. /-	82,400	-do-	
28	Construction of Front Double Window Elevation	1 Job	158,200	P.Job	Rs. 158200/-	0 Job	0	-	-	-	0	0	P.Job	Rs. /-	158,200	-do-	
<b>E) CCU Block</b>																	
A-I	Revamping of CCU Block (On MRS Hems)	3475	472	P.Sft	Rs. 1641208/-	3731	Sft	1,226.08	-	-	-	1,226	P.Sft	Rs. 4574518/-	2,933,311		Detail Attached / MRS 2nd Bi-Annual 2022
A-II	Revamping of CCU Block (Electrical & Public Health work)					3731	Sft	-	120	227	-	347	P.Sft	Rs. 1294657/-	1,294,657		Based on Plinth Area Rates for 2nd Bi-Annual 2022
<b>Extra NS Items</b>																	
1	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer incharge.	3024	281	P.Sft	Rs. 849744/-	3084	Sft	341.90	-	-	-	341.90	P.Sft	Rs. 1054420/-	204,676		as per new scope provided by the client & New Drawings
2	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer incharge.	5127	281	P.Sft	Rs. 1440687/-	3324	Sft	341.90	-	-	-	341.90	P.Sft	Rs. 1106476/-	304,211		-do-
3	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spots for stair tread / shelves area above 4-Sft i/c bevelling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	123	495	P.Sft	Rs. 60885/-	0	Sft	413.70	-	-	-	413.70	P.Sft	Rs. /-	60,885		deleted due to new client department
4	Providing and laying Prepolished Granite 3/4" thick Red Robby full width i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	76	1,440	P.Sft	Rs. 109440/-	0	Sft	1440	-	-	-	1,440	P.Sft	Rs. /-	109,440		-do-

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Total	Unit	Amount (Rs.)	As per Revised Rough Cost					Amount (Rs.)	Unit	EXCESS	SAVING	Remarks
							B.P.	P.H	E.I	S.G	Total					
5	Providing and laying Polished Granite 1/2" thick Red Robby full width for skirting i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	110	Sft	936	P.Sft	Rs. 102960/-	936	0	Sft	936	-	-	-	-	102,960	-do-
6	Providing and laying of Ceramic tile size 12"x18"/10"x24"/8"x24" Texture Normal Gloss Skirting/dado as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer incharge.	497	Sft	196	P.Sft	Rs. 97412/-	241.35	497	Sft	241.35	-	-	-	-	22,539	as per new scope provided by the client & New Drawings
7	Providing and laying of Ceramic tile size 12"x18"/10"x24"/8"x24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 i/c white cement, pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer incharge.	2083	Sft	196	P.Sft	Rs. 408268/-	294.10	2083	Sft	294.10	-	-	-	-	204,342	-do-
8	Providing and fixing of false ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminium Tees, 1"x1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners/ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc. complete in all respects, and as approved by the Engineer incharge.	2450	Sft	100	P.Sft	Rs. 245000/-	0	0	Sft	0	-	-	-	-	245,000	(where necessary for completion of previous work) as per new scope provided by the client & New Drawings
9	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling best quality i/c border complete in all respects and as approved by the Engineer incharge.	5383	Sft	110	P.Sft	Rs. 592130/-	0	0	Sft	0	-	-	-	-	592,130	deleted due to new client department
10	Providing and fixing laminated tempered glass for compensing of aluminium frame sections 2mm thick (Pakistan Cables Made) i/c 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer incharge.	541	Sft	1,850	P.Sft	Rs. 1009850/-	0	0	Sft	0	-	-	-	-	1,000,850	-do-
11	Providing and fixing UPVC Doors 38mm thickness i/c Deluxe matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Mary Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approved by the Engineer incharge.	140	Sft	730	P.Sft	Rs. 102200/-	1110	0	Sft	1110	-	-	-	-	102,200	-do-

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost					Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
						B.P.	P.H	E.I	S.G	Total											
12	Providing and fixing M.S. Sheet hollow pressed frame of doors, (Chowkhat only) of 16 SWG welded / supported with M.S. flat 1-1/4"x1/8" (7-Nos.) /c 9" M.S. Flat 1"x1/8" for hold fast (6-Nos.) welded/ screwed 4" (100mm) long iron hinges including fitting 'chokhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4, complete in all respects.	0	0	P.S.H	Rs. /-	584	584	0	0	0	0	0	0	0	0	0	0	626.40	365,818		as per new scope provided by the client & New Drawings
13	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c 'grill including 1"x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect.	140	140	P.S.H	Rs. 43400/-	140	140	0	0	0	0	0	0	0	0	0	0	434.50	17,430		
14	Providing and fixing almirah shutter consisting of 15 mm thick both side glazed PVC Coated sheet with PVC tape duly hot pressed all around the door/panel and brass hinges C.P. handles china lock & catcher, screws, rawal plug, /c cost of Drawers and locking arrangement complete as approved and directed by the Engineer Incharge	36	36	P.S.H	Rs. 27792/-	0	0	0	0	0	0	0	0	0	0	0	0	0	27,792		
15	Providing and fixing approved quality hydroallic door closer Japan made complete.	15	15	P.S.H	Rs. 49500/-	15	15	0	0	0	0	0	0	0	0	0	0	2,939	5,415		
16	P/F Stainless steel pattil for sally of comers etc complete in all respects.	90	90	P.R.H	Rs. 31500/-	500	500	0	0	0	0	0	0	0	0	0	0	850	393,500		
17	P/F sign board 5mm thick glass /c gravng letters and fixing with screws complete.	40	40	P.S.H	Rs. 30000/-	0	0	0	0	0	0	0	0	0	0	0	0	0	30,000		
18	Providing and laying of Non-Skid tiles imported tiles of approved Color and Shade laid over 3/4"thick cement plaster 1:2 /c white cement, pigment and sealer for finishing the joints /c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	270	270	P.S.H	Rs. 58320/-	270	270	0	0	0	0	0	0	0	0	0	0	212.95	824		
19	Supply and erection of SMD Light 17-Watt (Phillips)	50	50	No	Rs. 98500/-	0	0	0	0	0	0	0	0	0	0	0	0	0	98,500		included in plinth area rates of E.I.
20	Supply and erection of LED Lamp 7-Watt (Phillips)	12	12	No	Rs. 5400/-	0	0	0	0	0	0	0	0	0	0	0	0	0	5,400		
21	Supply and erection of LED Lamp 70-Watt (Phillips)	2	2	No	Rs. 41400/-	0	0	0	0	0	0	0	0	0	0	0	0	0	41,400		
22	Providing and fixing at site of work Exhaust fan 12" sweep (Metal body) made of Pak/Vounas/G.F.C. or equivalent approved make /c cost of necessary cable for connection from ceiling rose and shutter complete.	4	4	No	Rs. 11200/-	0	0	0	0	0	0	0	0	0	0	0	0	0	11,200		
23	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Vounas/G.F.C. or equivalent approved make /c cost of necessary cable for connection from ceiling rose and shutter complete.	10	10	No	Rs. 34000/-	0	0	0	0	0	0	0	0	0	0	0	0	0	34,000		
24	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer Incharge.	2	2	No	Rs. 36000/-	0	0	0	0	0	0	0	0	0	0	0	0	0	36,000		included in plinth area rates of P.H.
25	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer Incharge.	4	4	No	Rs. 26000/-	0	0	0	0	0	0	0	0	0	0	0	0	0	26,000		

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost						Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks	
26	Providing and fixing Shower along with mixing valve and rod SONIX/Master/Faisal complete in all respects as approved by the Engineer incharge.	2	No	Each	20,000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	0	40,000	40,000	-do-	
27	Providing and fixing Muslim Double Bib Cock 90 angle i/c shower and 1-meter long rubber pipe complete in all respects as approved by the E.I	2	No	Each	3,000/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	0	6,000	6,000	-do-	
28	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish,One double hook, etc complete in all respects as approved by the Engineer incharge.	4	No	Each	5,500/-	0	0	0	0	0	0	0	0	0	0	0	0	Each	0	22,000	22,000	-do-	
29	Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer incharge.	0	No	Each	Rs. /-	256	Rft	1596	-	-	-	-	-	-	-	-	1,596	P.Rft	Rs. 408576/-	408,576		as per new scope provided by the client & New Drawings	
30	Construction of Front Single Window Elevation	2	Job	P.Job	Rs. 164800/-	2	Job	142944	-	-	-	-	-	-	-	-	142,944	P.Job	Rs. 285888/-	121,088			
31	Construction of Front Double Window Elevation	1	Job	P.Job	Rs. 158200/-	0	Job	240249	-	-	-	-	-	-	-	-	240,249	P.Job	Rs. /-	158,200			
32	Construction of Front Double Window Elevation	0	Job	P.Job	Rs. /-	1	Job	307582	-	-	-	-	-	-	-	-	307,582	P.Job	Rs. 307582/-	307,582			
Medicine Store		Additional Items Total C.C.U only																				Rs. 5319321/-	
A	Revamping of Dayalysis Unit (On MRS Items)	1401	Sft	P.Sft	Rs. 527084/-	0	Sft	-	-	-	-	-	-	-	-	-	0	P.Sft	Rs. /-	527,084		deleted due to new scope provided by the client department	
1	Providing and fixing UPVC Doors 38mm thickness i/c Deluxe matching color UPVC frame matt or glossy finish having color (White-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories except locks complete in all respect as approval by the Engineer Incharge.	74	Sft	P.Sft	Rs. 54020/-	0	Sft	0	-	-	-	-	-	-	-	-	0	P.Sft	Rs. /-	54,020		-do-	
2	Providing and fixing M.S. Sheet hollow pressed frame of doors, (Chokhat only) of 16 SWG welded / supported with M.S. flat 1-1/4"x1/8" (7-Nos.) i/c 9" M.S. Flat 1"x1/8" for hold fast (6-Nos) welded/ screwed 4" (100mm) long iron hinges including filling chokhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4,complete in all respects.																					-do-	
3	Providing and fixing approved quality hydroalric door closer Japan made complete.	4	No	Each	Rs. 13200/-	0	No	0	-	-	-	-	-	-	-	-	0	Each	Rs. /-	13,200		-do-	
4	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft i/c beveling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	19	Sft	P.Sft	425	P.Sft	Rs. 8075/-	0	Sft	0	0	0	0	0	0	0	0	P.Sft	0	8,075	8,075	-do-	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	As per Revised Rough Cost		Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
											Total	Total					
5	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1"x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect.	124	Sft	394	P.Sft	Rs. 48856/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	48,856	-do-	
6	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2"thick cement plaster 1:2 l/c white cement, pigment and sealer for finishing the joints l/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	936	Sft	281	P.Sft	Rs. 263016/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	263,016	-do-	
7	Providing and laying of Porceline full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of approved Color and Shade laid over 1/2"thick cement plaster 1:2 l/c white cement, pigment and sealer for finishing the joints l/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	875	Sft	281	P.Sft	Rs. 245875/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	245,875	-do-	
8	Providing and laying of Ceramic tile size 12"X18"X24"X24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 l/c white cement, pigment and sealer for finishing the joints l/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	168	Sft	196	P.Sft	Rs. 32928/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	32,928	-do-	
9	Providing and laying of Ceramic tile size 12"X18"X24"X24" Texture Normal Gloss Skirting/dado as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 l/c white cement, pigment and sealer for finishing the joints l/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	650	Sft	196	P.Sft	Rs. 127400/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	127,400	-do-	
10	Providing and laying of Polished Granite 3/4" thick Red Robby full width l/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	230	Sft	1,440	P.Sft	Rs. 331200/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	331,200	-do-	
11	Providing and laying of Polished Granite 1/2" thick Red Robby full width for skirting l/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	143	Sft	936	P.Sft	Rs. 133848/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	133,848	-do-	
12	Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminum Tees 1"x1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at corners/ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc. complete in all respect, and as approved by the Engineer Incharge.	1176	Sft	100	P.Sft	Rs. 117600/-	0	Sft	0	-	-	0	P.Sft	Rs. /-	117,600	-do-	

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR". (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	As per Revised Rough Cost					P.H	E.I	S.G	Total	Unit	Amount (Rs.)	EXCESS	SAVING	Remarks
						B.P.	P.H	E.I	S.G	Total									
13	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling best quality i/c border complete in all respect and as approved by the Engineer Incharge.	330	Sft	110	P.Sft	Rs. 36300/-	0	0	0	0	0	0	0	0	P.Sft	Rs. /-	36,300	-do-	
14	P/F Stainless steel pattil for safty of corners etc complete in all respects.	90	Rft	350	P.Rft	Rs. 31500/-	0	0	0	0	0	0	0	0	P.Rft	Rs. /-	31,500	-do-	
15	P/F sign board 5mm thick glass i/c graving letters and fixing with secwre complete.	30	Sft	750	P.Sft	Rs. 22500/-	0	0	0	0	0	0	0	0	P.Sft	Rs. /-	22,500	-do-	
16	Laqur polishing after perparing smooth surface complete for achiving glass finished surface.	187	Sft	66.30	P.Sft	Rs. 12398/-	0	0	0	0	0	0	0	0	P.Sft	Rs. /-	12,398	-do-	
17	Supply and erection of SMD Light 17-Watt (Phillips)	30	No	1,970	Each	Rs. 59100/-	0	0	0	0	0	0	0	0	Each	Rs. /-	59,100	-do-	
18	Supply and erection of LED Lamp 7-Watt (Phillips)	8	No	450	Each	Rs. 3600/-	0	0	0	0	0	0	0	0	Each	Rs. /-	3,600	-do-	
19	Supply and erection of LED Lamp 70-Watt (Phillips)	2	No	20,700	Each	Rs. 41400/-	0	0	0	0	0	0	0	0	Each	Rs. /-	41,400	-do-	
20	Providing and fixing at-site-of-work-Exhaust fan 12" sweep (Metal body) made of Pak/ounas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	2	No	2,800	Each	Rs. 5600/-	0	0	0	0	0	0	0	0	Each	Rs. /-	5,600	-do-	
21	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/ounas/G.F.C. or equivalent approved make i/c cost of necessary cable for connection from ceiling rose and shutter complete.	4	No	3,400	Each	Rs. 13600/-	0	0	0	0	0	0	0	0	Each	Rs. /-	13,600	-do-	
22	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer Incharge.	2	No	18,000	Each	Rs. 36000/-	0	0	0	0	0	0	0	0	Each	Rs. /-	36,000	-do-	
23	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer Incharge.	2	No	6,500	Each	Rs. 13000/-	0	0	0	0	0	0	0	0	Each	Rs. /-	13,000	-do-	
24	Providing and fixing Shower along with mixing valve and rod SONIX/Master/Faisal complete in all respects as approved by the Engineer Incharge.	2	No	20,000	Each	Rs. 40000/-	0	0	0	0	0	0	0	0	Each	Rs. /-	40,000	-do-	
25	Providing and fixing Muslim Double Bit Cock 90 angle i/c shower and 1-meter long rubber pipe complete in all respects as approved by the E.I	2	No	3,000	Each	Rs. 6000/-	0	0	0	0	0	0	0	0	Each	Rs. /-	6,000	-do-	
26	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, etc complete in all respects as approved by the Engineer Incharge.	2	No	5,500	Each	Rs. 11000/-	0	0	0	0	0	0	0	0	Each	Rs. /-	11,000	-do-	
27	Construction of Ramp	1	Job	67,800	P.Job	Rs. 67800/-	0	0	0	0	0	0	0	0	P.Job	Rs. /-	67,800	-do-	
28	Construction of 1-No. Room for controlling whole electricity of the hospital. (22'-3" x 16'-3" = 362 Sft)	0	Job	0	P.Job	Rs. /-	362	Sft	3619	0	0	0	0	0	P.Job	Rs. 1392252/-	1,392,252		as per new scope provided by the client department
29	Provision of Electrical Control Room																		
30	Provision of Lubine & OHR																		

REVISED ROUGH COST ESTIMATE FOR THE SCHEME "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT TEHSIL AHMED PUR EAST,

DISTRICT BAHAWALPUR", (ADP 2022-23, NO. 660)

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	Unit	Amount (Rs.)	As per Revised Rough Cost			Remarks
														EXCESS	SAVING	Remarks	
	Provision of 0.25 Cusec Turbine i/c Turbine Chamber, Boring, Lowering, Water Supply Distribution System etc. complete. (Turbine Chamber size = 12' x 12' insize)		0	P.Job	Rs./-	1	Job	8969300	-	-	-	8,969,300	P.Job	Rs. 8969300/-	8,969,300		-do-
	Provision of Over Head Rasorvor (50' Height)		0	P.Job	Rs./-	5000	Gin	350	-	-	-	350	P.Job	Rs. 1750000/-	1,750,000		-do-
	Provision of Fire Alarm System in Buildings		0	P.Job	Rs./-	19802	Sft	100	-	-	-	100	P.Job	Rs. 1980200/-	1,980,200		-do-
	X-RAY Block 1430 Sft C.C.U Block 3731 Sft Indoor Block (Male / Female) 14279 Sft 362 Sft Electrical Panel Room		0	P.Job	Rs./-	19802	Sft	100	-	-	-	100	P.Job	Rs. 1980200/-	1,980,200		-do-
	Repairing of existing Sewer lines		0	P.Job	Rs./-	1	Job	684517	-	-	-	684,517	P.Job	Rs. 684517/-	684,517		-do-
	Repairing of sewer line. Complete in all respects.		0	P.Job	Rs./-	1	Job	684517	-	-	-	684,517	P.Job	Rs. 684517/-	684,517		-do-
	PROVISION OF EXTERNAL WIRING & PANELS		0	P.Job	Rs./-	1	Job	5938985	-	-	-	5,938,985	P.Job	Rs. 5938985/-	5,938,985		-do-
	This new wiring is designed by PMU department. For external wiring only		0	P.Job	Rs./-	1	Job	5938985	-	-	-	5,938,985	P.Job	Rs. 5938985/-	5,938,985		-do-
	PROVISION OF STREET LIGHTS		0	P.Job	Rs./-	15	Nos	194728	-	-	-	194,728	P.Job	Rs. 2920920/-	2,920,920		-do-
	Provision of Street lights i/c Street light poles.		0	P.Job	Rs./-	15	Nos	194728	-	-	-	194,728	P.Job	Rs. 2920920/-	2,920,920		-do-
	External Development		1	P.Job	Rs. 3354000/-	1	Job	3717754	-	-	-	371,7754	P.Job	Rs. 3717754/-	363,754		-do-
			3,354,000	P.Job	Rs. 3354000/-	1	Job	3717754	-	-	-	371,7754	P.Job	Rs. 3717754/-	363,754		-do-
			43,261,152		TOTAL (Rs.) =			971,051				92,533,240		66,756,975	17,484,888		
			695,100		TOTAL (Rs.) =			971,051				92,533,240		66,756,975	17,484,888		
	A D/D Cost of old Material		91,562,189		TOTAL (Rs.) =			971,051				92,533,240		66,756,975	17,484,888		
			91,562,189		TOTAL (Rs.) =			971,051				92,533,240		66,756,975	17,484,888		
	B Add 5% for PRA charges on total cost		4,578,109		On Rs.			91,562,189				4,578,109		2,449,807			
			4,578,109		On Rs.			91,562,189				4,578,109		2,449,807			
	C Add 3% Contengy		1,276,982		On Rs.			0				0					
			1,276,982		On Rs.			0				0					

<b>General Abstract</b>		
<b>Sr#</b>	<b>Block</b>	<b>Cost</b>
1	X-ray Block i/c Elevations	9024236
2	CCU block	9766611
3	Male/Female Wards	
	a). Surgical Ward	
	b).Front gate Elevation	37217002
	c).Side gate Elevation	
	d).Gynae ward	
4	Turbine, Chamber and water supply	8969300
5	OHR	1750000
6	Fire Alarm system	1980200
7	Revamping of sewer line	684517
8	External Electricification	5938985
9	Streets light	2920920
		<b>78,251,771.00</b>
	Deduct cost of old material	-971051
	<b>Net amount</b>	<b>77,280,720.00</b>
	<b>5% PRA</b>	<b>3,864,036.00</b>
	<b>Total amount</b>	<b>81,144,756.00</b>



~~AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVAMPING OF TEHSIL HEADQUARTER HOSPITAL AHMEDPUR EAST" TEHSIL AHMADPUR EAST,~~  
 (ADP No. 660, 2022 - 23)  
 DISTRICT BAHAWALPUR

(ITEM WISE COMPARATIVE STATEMENT)

Sr. No.	Description of Items	Plinth Area / Quantity	App. RC	Unit	Amount (Rs.)	Plinth Area / Quantity	B.P.	P.H	E.I	S.G	Total	As per Revised Rough Cost		Unit	Amount (Rs.)	EXCESS	SAVING	Remarks

TECHNICALLY CHECKED  
 Dt. Rs. 06.12.2022  
 (Million)  
 [Signatures]  
 Director (Civil)  
 Punjab Buildings Deptt.  
 Punjab Buildings Deptt.  
 South Zone, Lahore.  
 South Zone, Lahore.  
 South Zone, Lahore.

TOTAL (Rs.) = 45,971,337

SAY (Rs.) = 45,971,000

OR (Rs.) = 45,971 (M)

8119755 -  
 9614000 / 8893831 / 18761869 /  
 26344171 69153938 18981134  
 96344000 59454000 18,081,000  
 9614000 / 8893831 / 18761869 /  
 9614000 / 8893831 / 18761869 /  
 81.145  
 9614000 (M) 18,081 (M) 18,761 (M)  
 96344 (M) 59454 (M) 18,081 (M) 18,761 (M)  
 96344 (M) 59454 (M) 18,081 (M) 18,761 (M)  
 96344 (M) 59454 (M) 18,081 (M) 18,761 (M)  
 96344 (M) 59454 (M) 18,081 (M) 18,761 (M)

Sub Engineer,  
 Buildings Sub. Division,  
 Ahmadpur East.

Sub. Divisional Officer,  
 Buildings Sub. Division,  
 Ahmadpur East.

Executive Engineer,  
 Buildings Division No.2,  
 Bahawalpur.

Superintending Engineer,  
 Buildings Circle,  
 Bahawalpur.

**Basic Plinth Rate Calculations**  
**(Only for Item wise Comparative)**

**1 X-RAY BLOCK**

Total Cost w.o. Dismantling & w.o recovery  
Cost of additional items of x-ray only

9024236/-  
~~8,896,383~~ 2028179/-  
~~6,518,743~~ 6650489/-  
= 2,377,640/-

Total

= 1,430 Sft

Area of X-ray Block

**COST PER SFT OF X-RAY BLOCK**

= ~~4,662.69~~ 1662.72 P.Sft

**2 SURGICAL BLOCK**

Total Cost w.o. Dismantling & w.o recovery  
Cost of additional items of surgical only

19288101/-  
~~19,449,496~~ 10353581/-  
~~9,991,292~~ 8934520/-  
= 9,458,204/-

Total

= 7,953 Sft

Area of Surgical Block

**COST PER SFT OF SURGICAL BLOCK**

= ~~1,189.26~~ 1123.42 P.Sft

**3 GYENE BLOCK**

Total Cost w.o. Dismantling & w.o recovery  
Cost of additional items of Gyene only

19037678/-  
~~18,969,172~~ 9105278/-  
~~8,615,022~~ 9932407/-  
= 10,354,151/-

Total

= 6,326 Sft

Area of Gyene Block

**COST PER SFT OF GYENE BLOCK**

= ~~1,636.76~~ 1570.09 P.Sft

**4 C.C.U BLOCK**

Total Cost w.o. Dismantling & w.o recovery  
Cost of additional items of CCU only

98938391/-  
~~9,930,044~~ 5319327/-  
~~5,080,881~~ 45745181/-  
= 4,849,163/-

Total

= 3,731 Sft

Area of CCU Block

**COST PER SFT OF C.C.U BLOCK**

= ~~1,299.70~~ 1226.08 P.Sft

*[Signature]*

SUE DIVISIONAL OFFICER  
Buildings Sub-Division  
Ahmad Pur East

*[Signature]*  
Executive Engineer  
Buildings Division No-II,  
Mawalpura

TOTAL DISMANTLING

1	<u>X-Ray Block</u>	= Rs.	89749 - ✓ <del>448,850</del> - / ✓
2	<u>CCU block</u>	= Rs.	106023 - ✓ <del>115,107</del> - / ✓
3	<u>Surgical block</u>	= Rs.	508471 - ✓ <del>621,558</del> - / ✓
4	<u>Gyene Block</u>	= Rs.	313,269 - / ✓
5	<u>Old Sewer Line</u>	= Rs.	17,050 - / ✓
Total Rs. =			<u>4,185,834</u> - / ✓ 10,34,622 - /

TOTAL RECOVERY

1	<u>X-Ray Block</u>	= Rs.	<del>42,994</del> - / ✓ 58315 - / ✓
2	<u>CCU block</u>	= Rs.	104,491 - / ✓ 1,53,301 - / ✓
3	<u>Surgical block</u>	= Rs.	<del>251,907</del> - / ✓ 3,82,872 - / ✓
4	<u>Gyene Block</u>	= Rs.	<del>248,864</del> - / ✓ 3,66,606 - / ✓
5	<u>Old Sewer Line</u>	= Rs.	8,500 - / ✓
Total Rs. =			<u>656,356</u> - / ✓ R. 971051 - / ✓

*[Handwritten Signature]*

*[Handwritten Signature]*

SUB-DIVISIONAL OFFICER  
Buildings Sub-Division  
Ahmad Pur East

*[Handwritten Signature]*  
Executive Engineer  
Buildings Division No-II,  
Ajaywarpur

**ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSHIL HEADQUARTER HOSPITAL  
AT TEHSHIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVEMPING OF X-RAY BLOCK  
A. DISMANTLING OF X-RAY BLOCK**

Dismantling Work  
See detail  
MRS. BI-ANNUAL PERIOD (Jun to Dec, 2022, BWP)

1. Removing door with chowkat.	4 x 1	=	4	No.	
		Total:-	4	Nos.	
		@	448.45	/No.	Rs. 1,794 /-
1. Removing windows and sky lights with chowkat.	11 x 1	=	11	No.	
		Total:-	11	Nos.	
		@	350.45	/No.	Rs. 3,855 /-
2. Dismantling brick work in lime or cement mortar.	1 x 2 x 29.5 x 0.75 x 1.5	=	66	Cft	
	1 x 1 x 34.25 x 0.75 x 1.5	=	39	"	
		Total:-	105	Cft	
		@	4,330.90	/%Cft	Rs. 4,547 /-
3. Dismantling brick or flagged flooring without concrete foundation. Roof top tassu	1 x 1 x 29.5 x 34.25	=	1,010	Sft	
		Total:-	1,010	Sft	
Deductions					
	1 x 4 x 2 x 2	=	16	Sft	
Net Total	( 1,010 - 16 )		994	Sft	
		@	866.20	/%Sft	Rs. 8,610 /-
4. Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).	1 x 1 x 29.5 x 34.25 x 0.42	=	424	Cft	
		Total:-	424	Cft	
		@	5,604.70	/%0Cft	Rs. 2,376 /-
5. Dismantling glazed or encaustic tiles, etc.	2 x 2 x 14 x 12	=	672	Sft	
Rooms	1 x 1 x 11.875 x 12	=	143	"	
waiting	1 x 1 x 50 x 8	=	400	"	
Gallery					
Doors					
DI	2 x 2 x 3.5 x 0.75	=	11	"	
Rooms	4 x 2 x 14 x 12	=	1,040	"	
Waiting	1 x 2 x 11.875 x 12	=	239	"	
Gallery	1 x 2 x 50 x 8	=	580	"	
		Total:-	1,570	Sft	
Deductions					
Doors					
DI	2 x 2 x 3.5	=	70	Sft	
Opening of waiting	1 x 1 x 11.875	=	59	"	
		Total:-	129	Sft	
Net Total	( 1,570 - 129 )		1,441	Sft	
		@	2,391.85	/%Sft	Rs. 4,160.2 /-
6. Dismantling cement concrete 1:2:4 plain.	2 x 2 x 14 x 12	=	84	Cft	
Rooms	1 x 1 x 11.875 x 12	=	18	"	
waiting	1 x 1 x 50 x 8	=	50	"	
Gallery					
Doors					
DI	2 x 2 x 3.5 x 0.75 x 1	=	1	"	
		Total:-	153	Cft	
		@	111,209.45	/%Cft	Rs. 17,150 /-

7. Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).

Rooms	4 x 6	=	24	No.
walling	1 x 1	=	1	"
Gallery	1 x 3	=	3	"
<b>Total:-</b>		<b>=</b>	<b>28</b>	<b>Nos</b>
		<b>@</b>	<b>79.35</b>	<b>/ Each =</b>
				<b>Rs. 2,222 /-</b>


8. Dismantling plug point and making good damaged surface (building portion).


Rooms	4 x 4	=	16	No.
Gallery	1 x 1	=	1	"
<b>Total:-</b>		<b>=</b>	<b>17</b>	<b>Nos</b>
		<b>@</b>	<b>68.00</b>	<b>/ Each =</b>
				<b>Rs. 1,156 /-</b>


9. Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):- (Lum sum available at site)

Rooms	4 x 1 x 40	=	160	Rft
Gallery	1 x 1 x 50	=	50	"
<b>Total:-</b>		<b>=</b>	<b>210</b>	<b>Rft</b>
		<b>@</b>	<b>30.65</b>	<b>/ Rft =</b>
				<b>Rs. 6,437 /-</b>
<b>Total (a) =</b>		<b>Rs.</b>	<b>418,850/-</b>	

89749/-

  
**SUB-ENGINEER**  
 Buildings Sub Division,  
 Ahmed Pur East

  
**Executive Engineer**  
 Buildings Division No-II,  
 Anawelpur

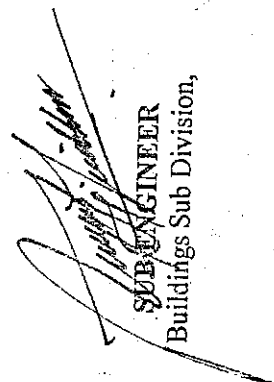
  
**SUB-DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmed Pur East

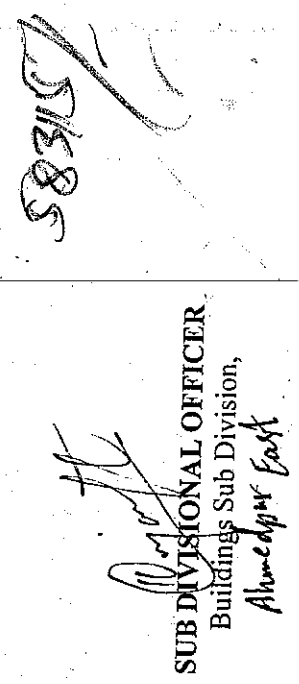
**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSHIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

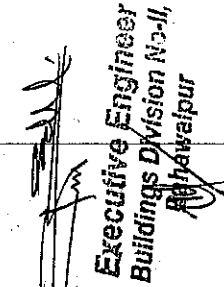
**REVENPING OF X-RAY BLOCK  
A. RECOVERY OF X-RAY BLOCK**

**d. RECOVERY OF OLD MATERIALS (RATES)**

1.	Recovery of old door with chowkat.	1 x 4 x 3.5	x	8.5	=	04 Nos.	Sft	10000/-	
2.	Recovery of old windows and sky lights with chowkat.	2 x 4 x 1 x 2 x 1 x 1	x	476	=	08 Nos.	Sft	22000/-	
3.	Recovery of Dismantled Brick or Flagged Flooring.								
a.	In SFT								
	Tiles 9"x4-1/2"x1 1/2"	( 70%	x	350%	x	994	Mkt	14610/-	
	Tiles Bats	( 30%	x	0.125	x	994	Mkt	1400/-	
4.	Recovery of brick work in lime or cement mortar.								
i.	Old Bricks 9"x4.5"x3"	( 60%	x	1350%	x	105	Nos.	4255/-	
ii.	Bats of old bricks	( 40%				105	Cft	1470/-	
5.	Recovery of old unserviceable electrical material.								
	Lum Sum	1 x 1 x				15	Kg	4,500 /-	
<b>Total:-</b>									
							15	Kgs	
							300.00	/ Kg	Rs.
<b>Total (d) = Rs.</b>									42594/-

  
**SUB-ENGINEER**  
 Buildings Sub Division,

  
**SUB-DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmedpur East

  
**Executive Engineer**  
 Buildings Division No-II,  
 Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**B. DISMANTLING OF CCU BLOCK**

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. B.Y.

a. Dismantling Work  
Schedule

1. Removing door with chowkat. 14 x 1

Total:- = 14 Nos.  
@ 448.45 / No. = Rs. 6,278

2. Removing windows and sky lights with chowkat. 24 x 1

Total:- = 24 Nos.  
@ 350.45 / No. = Rs. 8,411

3. Dismantling brick work in lime or cement mortar.

1 x 1 x	47.75	x	0.75	x	1.5	=	54	Cft
1 x 1 x	37.625	x	0.75	x	1.5	=	42	"
1 x 1 x	10.125	x	0.75	x	1.5	=	11	"
1 x 1 x	38.25	x	0.75	x	1.5	=	43	"
1 x 1 x	27.5	x	0.75	x	1.5	=	31	"
1 x 1 x	9.25	x	0.75	x	1.5	=	10	"

Total:- = 191 Cft  
@ 4,330.90 / %Cft = Rs. 8,272

4. Dismantling brick or flagged flooring without concrete foundation. Roof top tussu

1 x 2 x	10.5	x	19.125	=	402	Sft
1 x 2 x	7.5	x	6	=	90	"
1 x 1 x	14	x	48.375	=	677	"
1 x 1 x	10	x	6	=	60	"
1 x 2 x	22.5	x	6	=	270	"
1 x 1 x	48.375	x	47	=	2,274	"

Total:- = 3,773 Sft  
@ 866.20 / %Sft = Rs. 3,279

Net Total ( 3,773 - 544 ) = 3,229 Sft

5. Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).

1 x 2 x	10.5	x	19.125	x	0.42	=	169	Cft
1 x 2 x	7.5	x	6	x	0.42	=	38	"
1 x 1 x	14	x	48.375	x	0.42	=	284	"
1 x 1 x	10	x	6	x	0.42	=	25	"
1 x 2 x	22.5	x	6	x	0.42	=	113	"
1 x 1 x	48.375	x	47	x	0.42	=	955	"

Total:- = 1,584 Cft  
@ 5,604.70 / %Cft = Rs. 8,888

Net Total ( 1,584 - 210 ) = 1,374 Cft

6. Dismantling glazed or encaustic tiles, etc.

1 x 2 x	10.5	x	6	=	126	Sft
1 x 6 x	3	x	6	=	108	"
6 x 2 x	3	+	6	=	648	"
1 x 2 x	6	x	5	=	60	"
2 x 2 x	6	+	5	=	264	"

Total:- = 1,206 Sft  
@ 2,391.85 / %Sft = Rs. 7,701 /-

7. Dismantling cement concrete 1:2:4 plain.

Rooms	1	x	2	x	12.25	x	3	x	0.0417	=	3	Cft
Rooms	1	x	2	x	12	x	3	x	0.0417	=	3	"
Rooms	8	x	2	x	12.25	x	3	x	0.0417	=	25	"
Rooms	8	x	2	x	12	x	3	x	0.0417	=	24	"
Gallery	2	x	2	x	19.5	x	3	x	0.0417	=	10	"
Store	2	x	2	x	9.75	x	3	x	0.0417	=	5	"
Store	2	x	2	x	17.875	x	3	x	0.0417	=	9	"
Passage	1	x	2	x	13.5	x	3	x	0.0417	=	3	"
Cardiology	2	x	2	x	12	x	3	x	0.0417	=	6	"
Exam	2	x	2	x	6	x	3	x	0.0417	=	3	"
Entrance	2	x	2	x	11	x	3	x	0.0417	=	6	"
	2	x	2	x	14	x	3	x	0.0417	=	7	"
	2	x	2	x	6	x	3	x	0.0417	=	3	"
	2	x	2	x	8.25	x	3	x	0.0417	=	4	"
	1	x	2	x	10	x	3	x	0.0417	=	3	"
	1	x	2	x	4	x	3	x	0.0417	=	1	"

Total:- = 345315 / @ 11,209.45 / %Cft = Rs. 3867/-  
 -12891

8. Removing cement or lime plaster.

	1	x	8	x	12	x	3	x	288	Sft
	1	x	4	x	12.25	x	3	x	147	"
	1	x	2	x	6	x	3	x	36	"
	1	x	2	x	8.25	x	3	x	50	"
	1	x	2	x	5	x	3	x	30	"
	1	x	2	x	12	x	3	x	72	"

Total:- = 623 / @ 424.60 / %Sft = Rs. 2,645 /-

9. Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).

	8	x	6	
	1	x	3	
	1	x	4	

Total:- = 55 Nos / @ 79.35 / Each = Rs. 4,364 /-

10. Dismantling plug point and making good damaged surface (building portion).

	8	x	2	
	1	x	3	

Total:- = 19 Nos / @ 68.00 / Each = Rs. 1,292 /-

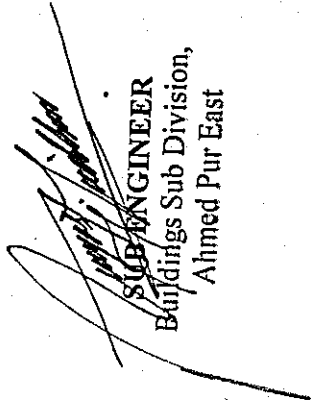
11. Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):- (Lum sum available at site)

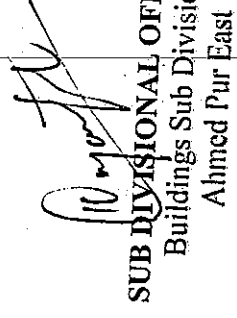
	8	x	1	x	20
	1	x	1	x	50

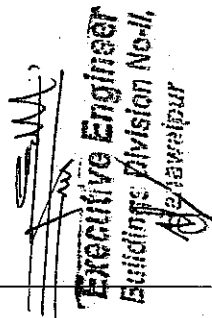
Total:- = 210 Rft / @ 30.65 / Rft = Rs. 6,437 /-

Total (a) = Rs. 145,107 /-

106837

  
 SUB ENGINEER  
 Buildings Sub Division,  
 Ahmed Pur East

  
 SUB DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East

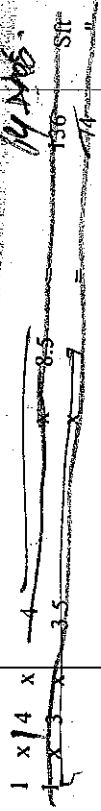
  
 EXECUTIVE ENGINEER  
 Buildings Division No-II,  
 Bawaripur



**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**B. RECOVERY OF CCU BLOCK**

1. Recovery of old door with chowkat.



Total:- =  $\frac{14 \times 4 \times 4}{156}$  Sft / SR = Rs.   
 @ 25000/-

2. Recovery of old windows and sky lights with chowkat.
- W1 1 x 2 x 6
  - W2 1 x 10 x 6
  - W3 1 x 4 x 4
  - W4 1 x 4 x 4
  - W5 Grill 1 x 4 x 5.25

x 5.5  
 x 3  
 x 3  
 x 4  
 x 8

Total:- =  $\frac{24 \times 510}{2000}$  Sft / Sft = Rs.   
 @ 2000/-

3. Recovery of Dismantled Brick or Flagged Flooring.

Tiles 9"x4-1/2"x1 1/2"

( 70% x 350% x 3,229 Mkt ) =  $\frac{70 \times 350 \times 3229}{100}$  Nos. = Rs.   
 @ 6000/-

Tiles Bats

4. Recovery of brick work in lime or cement mortar.

Old Bricks 9"x4.5"x3"

( 30% x 0.125 x 3,229 Mkt ) =  $\frac{30 \times 0.125 \times 3229}{100}$  Nos. = Rs.   
 @ 4000/-

Bats of old bricks

5. Recovery of old unserviceable electrical material.

Lum Sum 1 x 1 x 32

( 60% x 1350% x 191 Mkt ) =  $\frac{60 \times 1350 \times 191}{100}$  Nos. = Rs.   
 @ 3000/-

Total:- = 32 Kg  
 @ 300.00 / Kg = Rs. 9,600 /-

Total (d) = Rs. 107491/-

*[Signature]*  
**SUB ENGINEER**  
 Buildings Sub Division,

*[Signature]*  
**SUB DIVISIONAL OFFICER**  
 Buildings Sub Division,

*[Signature]*  
**Executive Engineer**  
 Buildings Division No-II  
 Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENMPING OF INDOOR BLOCK (SURGICAL)**  
**C. DISMANTLING OF SURGICAL BLOCK**

a Dismantling Work  
Schedule

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022, BVP)

				41	No.	
1.	Removing door with chowkat.	41 x 1		=		
				Total:-	41	Nos.
				@	448.45	/No. = Rs.
						18,386 /-
2.	Removing windows and sky lights with chowkat.	45 x 1		=		
				Total:-	45	Nos.
				@	350.45	/No. = Rs.
						15,770 /-
3.	Removing ventilators and wooden sunshade, etc.	17 x 1		=		
				Total:-	17	Nos.
				@	183.80	/No. = Rs.
						3,125 /-
4.	Dismantling brick work in lime or cement mortar.					
	Long side	2 x 2 x 88.5	x	0.75	x	1.5
	Short side	1 x 2 x 29	x	0.75	x	1.5
		1 x 1 x 12	x	0.75	x	1.5
	Corridor T.block	3 x 2 x 12	x	0.75	x	1.5
		2 x 2 x 21.5	x	0.75	x	1.5
		2 x 2 x 9.25	x	0.75	x	1.5
		2 x 2 x 35	x	0.75	x	1.5
		2 x 2 x 9.25	x	0.375	x	7
		2 x 3 x 4.25	x	0.375	x	7
		-1 x 10 x 2.5	x	0.375	x	7
						(66)
						398
						65
						14
						81
						97
						42
						158
						97
						67
						(66)
						953
				@	4,330.90	/%Cft = Rs.
						41,273 /-

5. Dismantling brick or flagged flooring without concrete foundation. Roof top tassu						
	Main building	1 x 1 x 187.75	x	29.33		
	T block	1 x 2 x 19.25	x	9.75		
	corridor T block	1 x 2 x 12	x	7		
		1 x 1 x 10	x	12		
	stair ver	1 x 1 x 35	x	9.75		
						5,507
						375
						168
						120
						341
						6,511
						96
						96
						6,415
						866.20
						/ %Sft = Rs.
						55,567 /-

6. Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).						
	Main building	1 x 1 x 187.75	x	29.33	x	0.42
	T block	1 x 2 x 19.25	x	9.75	x	0.42
	corridor T block	1 x 2 x 12	x	7	x	0.42
		1 x 1 x 10	x	12	x	0.42
	stair ver	1 x 1 x 35	x	9.75	x	0.42
						2,313
						158
						71
						50
						143
						2,735
						5,604.70
						/ %Cft = Rs.
						15,329 /-

7. Dismantling glazed or encusnic tiles, etc.						
	side room bath	1 x 8 x 5	x	6		
	toilet block	1 x 2 x 19.75	x	9.25		
	side room bath	8 x 2 x 5	x	6		
	toilet block	2 x 2 x 19.75	x	9.25		
	toilet	6 x 2 x 4.25	x	2.75		
	walls	1 x 4 x 9.25	x	5		
		1 x 4 x 10	x	5		
						240
						365
						880
						580
						420
						185
						200
						2,735
						5,604.70
						/ %Cft = Rs.
						15,329 /-

Ward	1 x 2 x 10	x 18.75	=	375
side room	1 x 8 x 11	x 12	=	1,056
corridor toilet block	1 x 2 x 7	x 11.125	=	156
passage to conference	1 x 1 x 10	x 19.875	=	199
"	1 x 1 x 10	x 8	=	80
front ver	1 x 1 x 187.75	x 9	=	1,690
side ver	1 x 1 x 35	x 9	=	315
stair room	1 x 1 x 16	x 11.125	=	178
door	1 x 4 x 4	x 3.125	=	18
door	1 x 8 x 3.5	x 1.125	=	32
door	1 x 8 x 2.5	x 1.125	=	23
ward	2 x 2 x( 40	+ 18.75	x 5	1,175
side room	8 x 2 x( 11	+ 12	x 5	1,840
corridor toilet block	2 x 2 x( 7	+ 11.125	x 5	363
passage to conference	1 x 2 x( 10	+ 19.875	x 5	299
"	1 x 2 x( 10	+ 8	x 5	180
front ver	1 x 2 x( 187.75	+ 9	x 5	1,968
side ver	1 x 2 x( 35	+ 10	x 5	450
stair room	1 x 2 x( 16	+ 11.125	x 5	271
shower	4 x 2 x( 4.25	+ 4.25	x 5	340
taking 15% for dull tile replacement	1 x 1 x 12,812		x 15%	1,922

Deductions		Total:-	11072	45,800	Sft
Ver	1 x 5 x 8	x	5	200	Sft
Ver	1 x 2 x 10	x	5	100	"
corridor toilet block	1 x 4 x 7	x	5	140	"
stair room	1 x 1 x 16	x	5	80	"
main door	1 x 5 x 5	x	5	125	"
ward door	1 x 2 x 4	x	5	40	"
side room door	1 x 8 x 3.5	x	5	140	"
bath door	1 x 18 x 2.5	x	5	225	"
windows	1 x 17 x 8	x	1.5	204	"

Net Total ( 11672 - 1,254 ) = 10,418

Total:- = 1,254 Sft

Total:- = 15,800 Sft

@ 2,391.85 / %Sft = Rs. 23,48,321/-

8. Dismantling cement concrete 1:2:4 plain.

side room bath	1 x 8 x 5	x 6	x 0.125	Cft
toilet block	1 x 2 x 19.75	x 9.25	x 0.125	"
Ward	1 x 2 x 10	x 18.75	x 0.125	"
side room	1 x 8 x 11	x 12	x 0.125	"
corridor toilet block	1 x 2 x 7	x 11.125	x 0.125	"
passage to conference	1 x 1 x 10	x 19.875	x 0.125	"
"	1 x 1 x 10	x 8	x 0.125	"
front ver	1 x 1 x 187.75	x 9	x 0.125	"
side ver	1 x 1 x 35	x 9	x 0.125	"
stair room	1 x 1 x 16	x 11.125	x 0.125	"
door	1 x 4 x 4	x 1.125	x 0.125	"
door	1 x 8 x 3.5	x 1.125	x 0.125	"
door	1 x 8 x 2.5	x 1.125	x 0.125	"

Total:- = 590 Cft

@ 11,209.45 / %Cft = Rs. 66,136 /-

9. Dismantling false ceiling plaster of paris i/c gola and removing nails screws.

Ward	1 x 2 x 40	x 18.75	Sft
Side room	1 x 8 x 11	x 12	"
front ver	1 x 1 x 187.75	x 9	"
side ver	1 x 1 x 35	x 10	"

Total:- = 4,596 Sft

@ 10.00 / Sft = Rs. 45,960 /-

10. Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).

8 x 6	No.
1 x 3	"
1 x 4	"

Total:- = 55 Nos

@ 79.35 / Each = Rs. 4,364 /-

11. Dismantling plug point and making good damaged surface (building portion).

8 x 2  
1 x 3

= 16 No.  
= 3 "

Total:- = 19 Nos = Rs. 1,292 /-  
@ 68.00 / Each

12. Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):- (Lum sum available at site)  
recessed in wall

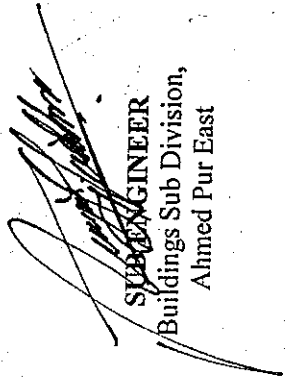
8 x 1 x 20  
1 x 1 x 50

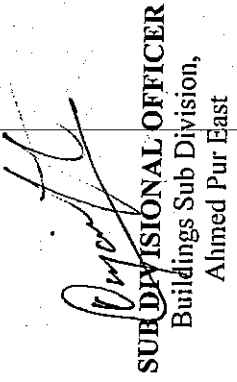
= 160 Rft  
= 50 "

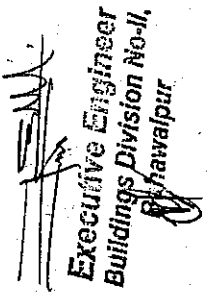
Total:- = 210 Rft = Rs. 6,437 /-  
@ 30.65 / Rft

Total (a) = Rs. 624,558 /-

508471/-

  
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AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSHIL HEADQUARTER HOSPITAL AT IEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

REVENMPING OF INDOOR BLOCK (SURGICAL)  
C. RECOVERY OF SURGICAL BLOCK

d. RECOVERY OF OLD MATERIALS (RATES)

1. Recovery of old door with chowkat.

1 x 41

Total:- = 41 No.  
= @ ~~4000.00~~ 23500 / Each = Rs. ~~102500~~ 64500

2. Recovery of old windows and sky lights with chowkat.

1 x 45

Total:- = 45 No.  
= @ ~~4000.00~~ 2000 / Each = Rs. ~~180000~~ 90000

3. Recovery of Dismantled Brick or Flagged Flooring.

a. In SFT

Tiles 9" x 4-1/2" x 1 1/2"

( 20% x 350% )

Mkt 6,415

= 15773472 Nos.

@ ~~4,600.00~~ 4,600.00 / %0 No. = Rs. ~~70000~~ 299302

Tiles Bats

( 30% x 0.125 )

Mkt 6,415

= 24122 Cft

@ ~~3,000.00~~ 3,000.00 / %Cft = Rs. ~~72366~~ 96407

4. Recovery of brick work in lime or cement mortar.

Old Bricks 9" x 4.5" x 3"

( 60% x 1350% )

Mkt 953

= 7,719 Nos.

@ ~~4,000.00~~ 4,000.00 / %0 No. = Rs. ~~31076~~ 385257

Bats of old bricks

( 40% )

Mkt 953

= 381 Cft

@ ~~3,000.00~~ 3,000.00 / %Cft = Rs. ~~11430~~ 13357

5. Recovery of old unserviceable electrical material.

Lum Sum

1 x 1 x 30

Total:- = 30 Kgs  
= @ 300.00 / Kg = Rs. 9,000

Total (d) = Rs. ~~254707~~

= Rs. 382872

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Buildings Sub Division,

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Buildings Division No-II,  
Bahawalpur

AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

REVEMPING OF INDOOR BLOCK (GYENE)  
C. DISMANTLING OF GYENE BLOCK

a. Dismantling Work  
Schedule

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

1. Removing door with chowkat.	32 x 1	=	32	No	
		Total:-	32	Nos.	
		@	448.45	/No.	Rs. 14,350 /-
2. Removing windows and sky lights with chowkat.	55 x 1	=	55	No.	
		Total:-	55	Nos.	
		@	350.45	/No.	Rs. 19,275 /-
3. Removing ventilators and wooden sunshade, etc.	10 x 1	=	10	No.	
		Total:-	10	Nos.	
		@	183.80	/No.	Rs. 1,838 /-
4. Dismantling brick work in lime or cement mortar.					
Parapet Long side	1 x 2 x 125.5 x 0.75	x	1.5	Cft	282
Short side	1 x 2 x 57.75 x 0.75	x	1.5		130
Toilet	1 x 2 x 16.625 x 0.75	x	1.5		37
partition bath	3 x 1 x 4.25 x 0.375	x	7		33
"	1 x 1 x 16.625 x 0.375	x	7		44
partition bath	4 x 1 x 5.25 x 0.375	x	7		55
"	1 x 1 x 13.5 x 0.375	x	7		35
"	-1 x 8 x 2.5 x 0.375	x	7		(53)
		Total:-	563	Cft	
		@	4,330.90	/%Cft	Rs. 24,383 /-
5. Dismantling brick or flagged flooring without concrete foundation. Roof top tassu					
Main building	1 x 1 x 124 x 57.75		7,161	Sft	
T block	1 x 1 x 18.125 x 15.5		281	"	
		Total:-	7,442	Sft	
Deductions	1 x 24 x 2 x 2		96	Sft	
		Total:-	96	Sft	
		@	7,346	Sft	
		Net Total	866.20	/%Sft	Rs. 63,631 /-
6. Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).					
Main building	1 x 1 x 124 x 57.75 x 0.42		3,008	Cft	
T block	1 x 1 x 18.125 x 15.5 x 0.42		118	"	
		Total:-	3,126	Cft	
		@	5,604.70	/%0Cft	Rs. 17,520 /-
7. Dismantling glazed or encaustic tiles, etc.					
Corridore toilet block	1 x 1 x 57.75 x 7		404	Sft	
Gyne Ward/Labour	1 x 2 x 16 x 16.5		528	"	
Toilet	1 x 1 x 5.75 x 11		63	"	
"	1 x 1 x 5.75 x 5.5		32	"	
Ward	1 x 1 x 26 x 25.5		663	"	
Room	1 x 2 x 12.5 x 12.25		306	"	
Toilet	1 x 1 x 7.75 x 5.625		44	"	
Nursing Station	1 x 1 x 10.75 x 14.5		156	"	
Pantry	1 x 1 x 12.5 x 7		88	"	
Gen. Ward (F)	1 x 1 x 39.75 x 20		795	"	
Ward	1 x 1 x 39.75 x 29.5		1,173	"	
Edhhi Centre	1 x 1 x 8 x 10		80	"	
Store/Office	1 x 2 x 15.5 x 10		310	"	
Corridore	1 x 2 x 17 x 7		1,638	"	
Toilet Block	1 x 1 x 16.625 x 15.5		258	"	
Door	1 x 9 x 3.5 x 1.125		35	"	

Toilet	1 x 6	4	1.125						
"	2 x 1 x	5.75	+	11	x	7			
Toilet	2 x 1 x	5.75	+	5.5	x	7			235
Toilet Block	2 x 1 x	7.75	+	5.625	x	47			158
"	8 x 1 x	4.25	+	0	x	7			187
"	10 x 1 x	5.25	+	0	x	7			238
"	2 x 1 x	16.625	+	15.5	x	7			368
"						7			450

<b>Deductions</b>										
Corridore toilet block	1 x 2 x	57.75	+	7	x	5				
Gyne Ward/Labour	2 x 2 x	16	+	16.5	x	5				648
Ward	1 x 2 x	26	+	25.5	x	5				650
Room	2 x 2 x	12.5	+	12.25	x	5				515
Nursing Station	1 x 2 x	10.75	+	14.5	x	5				495
Pantry	1 x 2 x	12.5	+	7	x	5				253
Gen. Ward (F)	1 x 2 x	39.75	+	20	x	5				195
Ward	1 x 2 x	39.75	+	29.5	x	5				598
Edhi Centre	1 x 2 x	8	+	10	x	5				693
Store/Office	2 x 2 x	15.5	+	10	x	5				180
Corridore	2 x 2 x	117	+	7	x	5				510

Total:- = 1636 8236 Sft

Net Total ( 8236 - 7217 ) = 7217 Sft

@ 2,391.85 / %Sft = Rs. 39130 - 4375/-

8. Dismantling cement concrete 1:2:4 plain.

Corridore toilet block	1 x 1 x	57.75	x	7	x	0.125				
Gyne Ward/Labour	1 x 2 x	16	x	16.5	x	0.125				51
Toilet	1 x 1 x	5.75	x	11	x	0.125				66
"	1 x 1 x	5.75	x	5.5	x	0.125				8
Ward	1 x 1 x	26	x	25.5	x	0.125				4
Room	1 x 2 x	12.5	x	12.25	x	0.125				83
Toilet	1 x 1 x	7.75	x	5.625	x	0.125				38
Nursing Station	1 x 1 x	10.75	x	14.5	x	0.125				5
Pantry	1 x 1 x	12.5	x	7	x	0.125				19
Gen. Ward (F)	1 x 1 x	39.75	x	20	x	0.125				11
Ward	1 x 1 x	39.75	x	29.5	x	0.125				99
Edhi Centre	1 x 1 x	8	x	10	x	0.125				147
Store/Office	1 x 2 x	15.5	x	10	x	0.125				10
Corridore	1 x 2	117	x	7	x	0.125				39
Toilet Block	1 x 1	16.625				0.125				205
Door	1 x 9	3.5		15.5	x	0.125				32
"	1 x 6	4		1.125	x	0.125				4

Total:- = 824 Cft

@ 11,209.45 / %Cft = Rs. 92,366 /-

9. Dismantling false ceiling plaster of paris etc gola and removing nails screws.

Gyne Ward/Labour	1 x 2 x	16	x	16.5					
Ward	1 x 1 x	26	x	25.5					528
Room	1 x 2 x	12.5	x	12.25					663
Nursing Station	1 x 1 x	10.75	x	14.5					306
Gen. Ward (F)	1 x 1 x	39.75	x	20					156
Corridore	1 x 2 x	117	x	7					795
Toilet Block	1 x 1 x	16.625	x	15.5					1,638

Total:- = 4,344 Sft

@ 10.00 / Sft = Rs. 43,440 /-

10. Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).

	8 x 6								
	1 x 3								48
	1 x 4								3

Total:- = 55 Nos

@ 79.35 / Each = Rs. 4,364 /-

11. Dismantling plug point and making good damaged surface (building portion).

	8 x 2								
	1 x 3								16

Total:- = 19 Nos

@ 68.00 / Each = Rs. 1,292 /-

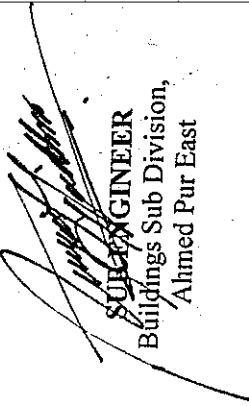
12. Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):- (Lum sum available at site)

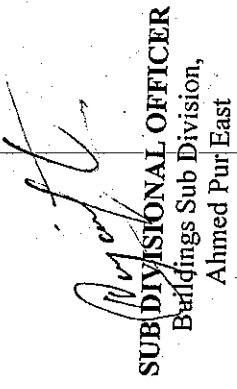
8 x 1 x 20  
1 x 1 x 50

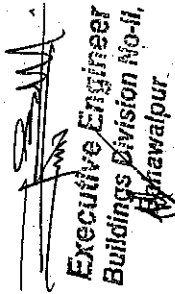
= 160 Rft  
= 50 "

Total:- = 210 Rft  
@ 30.65 / Rft = Rs. 6,437 /-

Total (a) = Rs. 313,269 /-

  
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AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

REVENMPING OF INDOOR BLOCK (GYENE)

C. RECOVERY OF GYENE BLOCK

4. RECOVERY OF OLD MATERIALS (RATES)

1. Recovery of old door with chowkat.

1 x 32

Total:-	=	32	No.
@	=	2500	Rs.

2. Recovery of old windows and sky lights with chowkat.

x 55

Total:-	=	55	No.
@	=	2000	Rs.

3. Recovery of dismantled brick or flagged flooring.

a. In SFT

Tiles 9" x 4-1/2" x 1 1/2"

( 70

x 350% x 7,346

Mkt	=	2578	Nos.
@	=	6000	Rs.

Tiles Bats

( 30

x 0.125 x 7,346

Mkt	=	225	Cft
@	=	4000	Rs.

4. Recovery of brick work in lime or cement mortar.

i. Old Bricks 9"x4.5"x3"

( 60%

x 1350% x 563

Mkt	=	4,560	Nos.
@	=	5000	Rs.

ii. Bats of old bricks

( 40%

x 225 x 563

Mkt	=	225	Cft
@	=	3500	Rs.

5. Recovery of old unserviceable electrical material.

Lum Sum

1 x 1 x 38

Total:-	=	38	Kgs
@	=	300.00	/Kg = Rs.

Total (d) = Rs. 248,804

360089

*[Signature]*  
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Buildings Sub Division,  
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Buildings Sub Division,  
Ahmed Pur East

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Executive Engineer  
Buildings Division No-II,  
Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMEDPUR EAST, DISTRICT BAHAWALPUR".**

RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

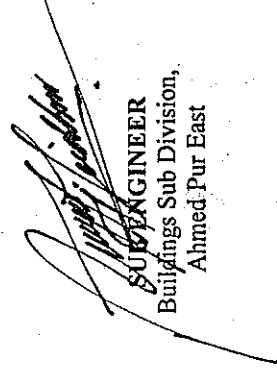
**GENERAL ABSTRACT OF COST FOR DISMANTLING OF DAMAGED SEWER LINE**

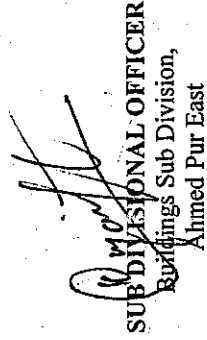
**A. SEWER LINE DISMANTLING**

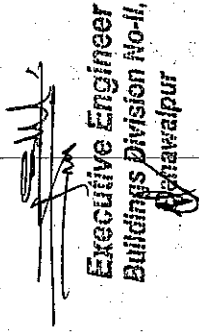
1 Job @	17,050 / Job	=Rs.	17,050 /-
<b>TOTAL OF A to H</b>		<b>=Rs.</b>	<b>17,050 /-</b>
<b>RECOVERY</b>		<b>=Rs.</b>	<b>8,500 /-</b>
<b>NET TOTAL</b>		<b>=Rs.</b>	<b>8,550 /-</b>
		<b>=Rs.</b>	<b>257 /-</b>

Add 3 % for Contingencies.

**SAY Rs. 8,807 /-**

  
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**Executive Engineer**  
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**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**A. GENERAL ABSTRACT OF COST FOR DISMANTLING OF DAMAGED SEWER LINE**

**4. Dismantling Work**  
**Schedoul**

MRS. BI-ANNUAL PERIOD (Jun to Dec, 2022)

1. Disjoining R.C.C. pipes inside the trench and dismantling and removing the pipes from the trench and stacking them outside:-

6" to 12" (150 to 300 mm) diameter	1	x	2	x	100	=	
9" Sewer line (Damaged)	1	x	3	x	100	=	200 Rft
12" Sewer line (Damaged)							300 "

<b>Total:-</b>	<b>=</b>	<b>500</b>	<b>Rft</b>
	<b>@</b>	<b>34.10</b>	<b>/ Rft = Rs. 17,05</b>
<b>Total (a) = Rs.</b>		<b>17,05</b>	

**b. RECOVERY OF OLD MATERIALS (RATES)**

1. Recovery of damaged R.C.C sewer lines.

Net Total of dismantled line

Recovery of old rusty steel only 1 x 1 x( 500 x 0.2

<b>Total:-</b>	<b>=</b>	<b>500</b>	<b>Rft</b>
	<b>) =</b>	<b>100</b>	<b>Kg</b>

<b>Total:-</b>	<b>=</b>	<b>100</b>	<b>Kg</b>
	<b>@</b>	<b>85.00</b>	<b>/ Kg = Rs. 8,500</b>
<b>Total (b) = Rs.</b>		<b>8,500</b>	

*[Signature]*  
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**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL IN TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

**GENERAL ABSTRACT OF COST OF X-RAY BLOCK**

**A. BUILDING PORTION**  
(40 x 35.75 = 1430 Sft)

**B. FRONT GATE ELEVATION**  
At Main Entrance

**C. SIDE GATE ELEVATION**  
At side entrance

**D. SINGLE WINDOW ELEVATION**

**E. DOUBLE WINDOW ELEVATION**

4.dd 3 % for Contingencies.

1 No. @ ~~686520~~ <sup>6856621/-</sup>  
~~6864309~~ / Each =Rs. <sup>6864309 /-</sup>

1 Job @ ~~578715~~ <sup>578715</sup>  
~~572229~~ / Each =Rs. <sup>572229 /-</sup>

1 Job @ ~~595279~~ <sup>595279</sup>  
~~509121~~ / Each =Rs. <sup>509121 /-</sup>

2 No. @ 125,554 / Each =Rs. 251,108 /-

2 No. @ 240,249 / Each =Rs. 480,498 /- <sup>876,1394</sup>

NET TOTAL =Rs. ~~8857265~~ <sup>9228007</sup> / ~~8765222~~ / Sft

GROSS TOTAL =Rs. ~~259118~~ <sup>2628721</sup> / ~~82957~~ / Sft

GROSS TOTAL =Rs. ~~8896383~~ <sup>9228007</sup> / ~~7028127~~ / Sft

(40 x 35'-9") Cost Per Sft = Rs. ~~8896383~~ <sup>9228007</sup> / 1430 = ~~6221~~ <sup>6452</sup> / Sft

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AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

RATES ARE BASED ON:

REVENMPING OF X-RAY BLOCK

MRS, BI-ANNUAL PERIOD (Jun to Dec, 2022. BWP)

A. GENERAL ABSTRACT OF COST X-RAY BLOCK

b. CIVIL WORK  
MARKET RATES SCHEDULED

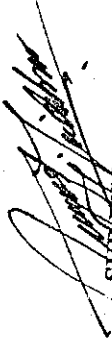
Rs. = 2397060

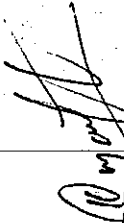
c. CIVIL WORK  
NON-SCHEDULED ITEMS


Rs. = 4,459,632

Cost Total (a to h) Rs. = 6,856,692

6860590  
6856692

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENPING OF X-RAY BLOCK**

**A. GENERAL ABSTRACT OF COST X-RAY BLOCK**

**d. CIVIL WORK MARKET RATES SCHEDULE** MRS. BI-ANNUAL PERIOD (Jun to Dec, 2022, BWP)

1. Pacca brick work in ground floor:-

cement, sand mortar:-

a) Ratio 1:4

waiting bench

~~1 x 1 x 1.1875 x 1.5 x 0.375 = 7~~  
 1 x 4 x 1.5 x 0.375 x 1.5 = 3 Cft

Total:- = 340 Cft  
 @ 32,585.80 / %Cft = Rs. 11,080,232/-

b) Ratio 1:5

Perapit

1 x 2 x 31 x 0.75 x 1.25 = 58 Cft  
 1 x 2 x 31 x 1.125 x 0.25 = 17 "  
 1 x 1 x 35.75 x 0.75 x 1.25 = 34 "  
 1 x 1 x 35.75 x 1.125 x 0.25 = 10 "

Total:- = 119 Cft  
 @ 31,630.60 / %Cft = Rs. 3,764,040/-

2. Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)

1 x 1 x 29.5 x 34.25 = 1,010 Sft

Deductions = 1,010 Sft

khurras 1 x 4 x 2 x 2 = 16 Sft

Net Total ( 1,010 - 16 ) = 994 Sft

@ 12,112.95 / %Sft = Rs. 120,403/-

3. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position, complete in all respect.

1-1/2" thick

take same qty as above item

1 x 1 x 1,010

= 1,010 Sft

Total:- = 1,010 Sft  
 @ 9,462.20 / %Sft = Rs. 95,568/-

4. Khurras on roof 2'x2'x6" (600 x 600 x 150mm).

1 x 4

= 4 Nos

Total:- = 4 Nos  
 @ 865.75 / Each = Rs. 3,463/-

5. Bottom Khurras of brick masonry in cement mortar 1:6, 4'x2'x4 1/2" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.

1 x 4

= 4 Nos

Total:- = 4 Nos  
 @ 1,763.10 / Each = Rs. 7,052/-

6. Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.

Ratio 1:3

waiting bench

1 x 1 x 11.875

= 22 Sft

Total:- = 22 Sft  
 @ 3,762.55 / %Sft = Rs. 828/-

6. Cement plaster 1/4 upto 20' (6.00 m) height:-

1/2" (13 mm) thick

top perapit

1 x 2 x 29.5

1 x 1 x 34.25

2.15  
 x 3.25 = 162  
 x 3.25 = 492  
2.15  
 x 3.15 = 674

Sft  
 "  
 "

Total:- = 256 / 303 Sft  
 @ 3,285.45 / %Sft = Rs.

8411 / 9956-1

6. Cement plaster 1:5 upto 20' (6.00 m) height:-  
 1/2" (13 mm) thick  
 waiting bench

2 x 4 x 1.875 x 1.5 = 23 Sft

Total:- = 23 Sft  
 @ 3,135.90 / %SR = Rs.

721 /-

7. Cement pointing struck joints, on walls, upto 20' (6.00 m) height:-  
 a) Ratio 1:2

1 x 2 x 31 x 1.25 = 78 Sft  
 1 x 1 x 35.75 x 1.25 = 45 "

Total:- = 123 Sft  
 @ 3,573.20 / %Sft = Rs.

4,395 /-

8. Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.

Take same qty as above item 1 x 1 x 123 = 123 Sft

Total:- = 123 Sft  
 @ 669.00 / %Sft = Rs.

823 /-

9. Providing, laying, cutting, jointing, testing and disinfecting PVC / UPVC pipe with Class 'B' working pressure pipe, in trenches, complete in all respects:-  
 4" i/d (100 mm)

*eg pipe Ravi Ramachandran*

1 x 4 x 14 = 56 Rft

Total:- = 56 Rft  
 @ 14095 / Rft = Rs.

18382 / 24695-1

10. Providing and installing P.V.C. bands of B.S.S. Rain water down pipe head:-  
 4" i/d (100 mm)

4 x 4 = 4 Nos.

Total:- = 4 Nos  
 @ 54630 / No. = Rs.

4350 / 3598

11. 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" x 2") and leaf frame sections of 50 x 20 mm (2" x 2"), 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.

Windows  
 W1 1 x 9 x 4 = 198 Sft  
 W3 1 x 2 x 4 = 24 "

Total:- = 222 Sft  
 @ 1,353.75 / Sft = Rs.

300,533 /-

12. Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge, complete in all respect.

Take qty of item 10 (Alm window) 1 x 1 ( 1 / 2 ) 222 = 222 Sft

Total:- = 222 Sft  
 @ 494.50 / Sft = Rs.

59890 / 55384

13. 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" x 1/8" i/c the cost of 1-1/4" x 1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.

i) 3/8" Squar Bars  
 take same qty as item # 10 1 x 1 x 222 = 222 Sft

Total:- = 222 Sft  
 @ 863.90 / Sft = Rs.

191,786 /-

9. 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" holdfasts (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 holdfast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.

ii) 10.50" wide  
D1  
2 x 2 x 3.5 x 8.5 = 119 Sft  
Total:- = 119 Sft  
@ 626.40 / Sft = Rs. 74,542 /-

13. F/F1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and laquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

Doors  
W1  
2 x 2 x 3.5 x 8.5 = 119 Sft  
Total:- = 119 Sft  
@ 685.75 / Sft = Rs. 81,604 /-

14. Painting new surfaces:-  
Preparing surface and painting of doors and windows any type (including edges):- three coats:-  
priming coat & each subsequent coat of paint.  
take 2 times qty of above item

1 x 2 x 119 = 238 Sft  
Total:- = 238 Sft  
@ 2,770.70 / %Sft = Rs. 6,594 /-

15. Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

1 x 6  
= 6 Nos.  
Total:- = 6 Nos  
@ 2,939.00 / Each = Rs. 17,634 /-

16. 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:

1 x 2 x 31 = 183 Sft  
1 x 1 x 35.75 = 67 "  
Total:- = 183 Sft  
@ 5,292.95 / %Sft = Rs. 9,686 /-

a. new surfaces:- two coats :-

Take Qty as per Item (-----)

Weather shield measurements for old surface,  
building

1 x 2 x 31 = 806 Sft  
1 x 1 x 35.75 = 465 "  
1 x 4 x 4 = 24 "

Deductions  
1 x 4 x 4 = 88 Sft

Net Total ( 1,295 - 88 ) = 1,207 Sft  
b. 60% Old surface:- two coats:- After scraping old weather shield.  
( 60% x 1,207 ) Total:- = 724 Sft

c. 40% Old surface:- one coat:- Without scraping old weather shield  
( 40% x 1,207 ) Total:- = 483 Sft  
@ 1,943.50 / %Sft = Rs. 9,387 /-

17. Preparing surface and painting with emulsion paint:-

Rooms 4 x 2 x( 14 + 12 )x 5.5 = 1,144 Sft  
Walling 1 x 2 x( 11.875 + 12 )x 5.5 = 263 "  
Gallery 1 x 2 x( 50 + 8 )x 5.5 = 638 "  
roofs 1 x 4 x 14 x 12 = 672 "  
1 x 1 x 50 x 8 = 400 "



Deductions  
doors

Total:- = 3,117 Sft  
= 1.5 = 24 Sft

Net Total ( 3,117 - 24 )  
a. old surface:- two coats :-  
total c 100 % old surface for painting

Total:- = 24 Sft  
= 3,093 Sft  
= 3,093 Sft

Total:- = 3,093 Sft  
@ 2,065.65 /%Sft = Rs. 63,891 /-

18. Providing and fixing wooden box type wardrobe 22" (550 mm) deep including 1/4" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-  
Deodar wood boxing, and deodar wood shelves and leaves, etc.

1 x 1 x 3 x 10 = 30 Sft

Total:- = 30 Sft  
@ 2,557.85 /Sft = Rs. 76,736 /-

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

Rooms

2 x 2 x 14 x 0.125 = 84 Cft

waiting

1 x 1 x 11,875 x 0.125 = 18 "

Gallery

1 x 1 x 50 x 0.125 = 50 "

Doors

2 x 2 x 3.5 x 0.125 = 1 "

D1

Total:- = 153 Cft  
@ 38,219.00 /%Cft = Rs. 58,475 /-

19. 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.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Ground Floor

2 x 2 x 14 x 12 = 672 Sft

Rooms

1 x 1 x 11,875 x 12 = 143 "

waiting

1 x 1 x 50 x 8 = 400 "

Gallery

2 x 2 x 3.5 x 0.75 = 11 "

Doors

Total:- = 1,226 Sft  
@ 341.90 /Sft = Rs. 419,169 /-

20. 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.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Ground Floor

4 x 2 x ( 14 + 12 ) x 5 = 1,040 Sft

Rooms

1 x 2 x ( 11,875 + 12 ) x 5 = 239 "

Waiting

1 x 2 x ( 50 + 8 ) x 5 = 580 "

Gallery

Total:- = 1,859 Sft

Doors

2 x 2 x 3.5 = 70 Sft

D1

1 x 1 x 11,875 = 59 "

Opening of waiting

Total:- = 129 Sft  
@ 1,730 Sft = Rs. 591,487 /-

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

Windows Sill  
Top of waiting bench

1 x 11  
1 x 1

x 4 x 1.25  
x 11.875 x 1.875

= 55 Sft  
= 22 "

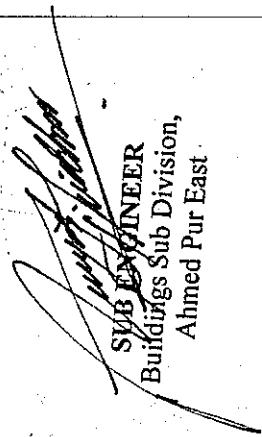
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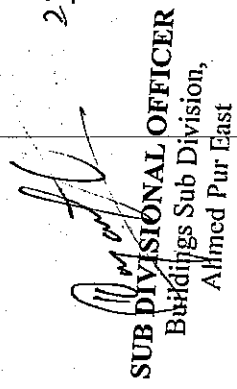
Total:-

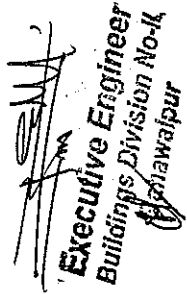
= 77 Sft  
@ 1,310.70 / Sft = Rs.

Total (b) = Rs. ~~2,404,677~~

~~400,888~~  
2397060

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-11  
Meharwalpur

Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

luff sum  
1 x 1 x 200 = 200 Rft

Total:-  
= 200 Rft  
@ 850.00 / Rft = Rs. 170,000 /-

2. Providing and fixing lead lining 2 mm thick lead sheet with wall for radiation protection upto roof height as per instruction and covering with MDF board 3/4" thick panelling including frame of kail wood 1-1/2" x 2" including termite proofing and fancy deodar wood beading complete in all respects as directed and approved by the Engineer Incharge. also approved by the Radiation Protecting Agency.

X-Ray  
Dark room  
Roof  
1 x 2 x( 14 + 12 )x 11.5 = 598 Sft  
1 x 2 x( 14 + 12 )x 11.5 = 598 "  
1 x 2 x 14 x 12 = 336 "

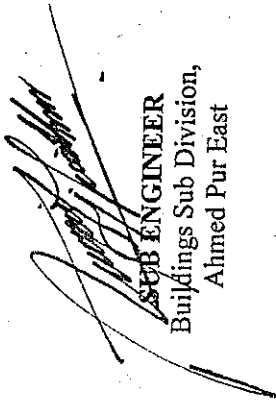
Total:-  
= 1,532 Sft  
@ 2,600.00 / Sft = Rs. 3,983,200 /-

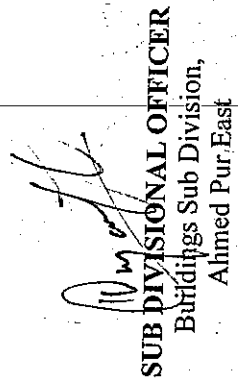
3. Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer Incharge.

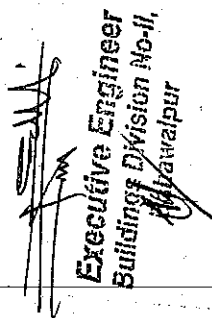
6 x 4 x 8 = 192 Rft

Total:-  
= 192 Rft  
@ 1,596.00 / Rft = Rs. 306,432 /-

Total (c) = Rs. 4,459,632 /-

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur, East

  
Executive Engineer  
Building Division No-II,  
Muzaffarpur

**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION**

(*Particulars not shown in Bill*) MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

1. Excavation in foundation of buildings, bridges and other structures, including dagbelling, dressing, refilling (By Manual) in ordinary soil.	1 x 1 x 9 x 8 x 1 =	72 Cft
Ramp	1 x 2 x 6 x 1.5 x 1 =	18 "
toe wall tuff paver	1 x 2 x 12 x 1.5 x 1 =	36 "
<b>Total:-</b>	<b>@ 10,712.60 /%Cft = Rs.</b>	<b>1,350 /-</b>
2. Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	1 x 2 x 6 x 1.5 x 0.333 =	6 Cft
Ramp	1 x 2 x 12 x 1.5 x 0.333 =	12 "
toe wall tuff paver	<b>Total:-</b>	<b>@ 8,903.40 /%Cft = Rs.</b>
		<b>1,603 /-</b>
3. Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 6: 12	1 x 1 x 9 x 8 x 0.5 =	36 Cft
Ramp	1 x 2 x 6 x 1.5 x 0.5 =	9 "
toe wall tuff paver	1 x 2 x 12 x 1.5 x 0.5 =	18 "
<b>Total:-</b>	<b>@ 21,099.80 /%Cft = Rs.</b>	<b>13,293 /-</b>
4. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 4: 8	1 x 1 x 9 x 8 x 0.25 =	18 Cft
<b>Total:-</b>	<b>@ 29,022.20 /%Cft = Rs.</b>	<b>5,224 /-</b>
5. 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 B (nominal mix 1: 1½: 3)	1 x 1 x 4.5 x 5 x 1 =	23 Cft
Plate farm step side	1 x 1 x 4.5 x 8 x 1 =	36 "
Plate farm step ramp	1 x 4 x 1.125 x 14 =	71 "
pillars	1 x 2 x 9 x 1.125 x 1.125 =	23 "
top front and back beam	1 x 2 x 4.75 x 1.125 x 1.125 =	12 "
top side beam	<b>Total:-</b>	<b>@ 615.05 /Cft = Rs.</b>
		<b>101,483 /-</b>
6. Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labor charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-40)	1 x 1 x (165 x 6.75 x 0.454) =	506 Kg
<b>Total:-</b>	<b>@ 31,460.05 /%Kg = Rs.</b>	<b>159,188 /-</b>
7. Pacca brick work in foundation and plinth:- cement, sand mortar:- Ratio 1:4	1 x 1 x 4.5 x 5 x 0.5 =	11 Cft
plate farm step side	1 x 2 x 6 x 0.75 x 1.25 =	11 "
plate farm step ramp	1 x 1 x 4.5 x 2.25 x 0.5 =	5 "
step	1 x 1 x 4.5 x 1.125 x 0.5 =	3 "
"	1 x 2 x 12 x 0.75 x 1.25 =	23 "
toe wall tuff paver	<b>Total:-</b>	<b>@ 28,698.00 /%Cft = Rs.</b>
		<b>15,210 /-</b>
8. 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 ¾" thick (1:3) 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 In-charge.	1 x 1 x 6 x 4.5 =	27 sq
d) (Non-Skid Chequered Tiles) 300mmx300mm		

Total:- ~~27 Sft~~ / ~~212.95 Sft~~ = Rs. ~~5,750/-~~

9. Cement plaster 1:4 upto 20' (6.00 m) height:-  
 1/2" (13 mm) thick  
 Pillars 4 x 2 x( 1.125 + 1.125 )x 14 = 252 Sft  
 Top front & back beam 2 x 2 x( 9 + 1.125 )x 1.125 = 46 "  
 Top side beam 2 x 2 x( 4.75 + 1.125 )x 1.125 = 26 "  
 Total:- = 324 Sft  
 @ 3,285.45 / %Sft = Rs. 10,645 /-

10. 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:  
 take same qty as above item 1 x 1 x 324 Sft

a. new surface:- two coats :-  
 Take Qty as per item (-----)  
 Total:- = 324 Sft  
 @ 5,292.95 / %Sft = Rs. 17,149 /-

11. 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)  
 50-mm thick  
 1 x 1 x 9 x 12 = 108 Sft  
 Total:- = 108 Sft  
 @ 157.85 / Sft = Rs. 17,048 /-

12. Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gotties fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.  
 1 x 2 x 9 = 18 Rft  
 Total:- = 18 Rft  
 @ 2,368.45 / Rft = Rs. 42,632 /-

13. Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.  
 1 x 2 x 6 = 12 Rft  
 Total:- = 12 Rft  
 @ 508.90 / Rft = Rs. 6,107 /-

14. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.  
 1 x 1 x 165 x 0.88 = 145 Cft  
 Total:- = 145 Cft  
 @ 12,032.50 / %Cft = Rs. 17,447 /-

15. Providing and laying prepolished granite 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.  
 Plate form 1 x 1 x 4.5 x 5 = 23 Sft  
 landing step 1 x 3 x 4.5 x 1 = 14 "  
 1 x 1 x 6 x 4.5 = 27 "  
 Total:- = 64 Sft  
 @ 1,500.00 / Sft = Rs. 96,000 /-

16. Providing and laying prepolished granite 1/2" thick cement sand mortar ratio 1:2 complete in all respects approved quality and shade laid in cement over 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.  
 1 x 2 x 4.5 x 0.5 = 5 Sft  
 Total:- = 5 Sft  
 @ 1,000.00 / Sft = Rs. 5,000 /-

Granite (MRS)

Plate

Granite (MRS)

Rs. 55,500 /- 83885

Rs. 5000 /- 5000 /-

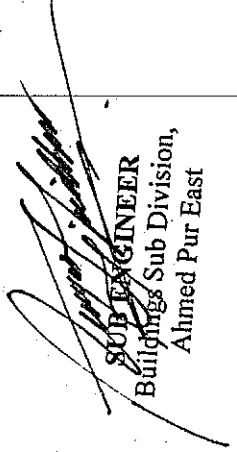
17. Providing and laying laminated tempered glass for 12 mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the engineer incharge.

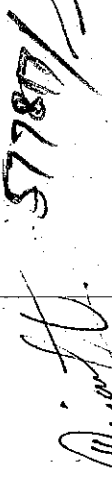
1 MRS x 1 x 8 x 8

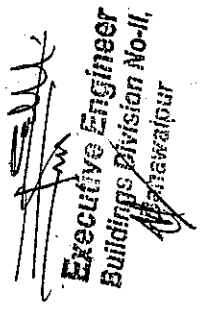
= 64 Sft

Total:-  
= 64 Sft  
Rs. 79629  
~~57400~~

Total = Rs. 57787/-

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Ankawaipur

## DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION

(Side Elevation CCA Block) BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

<p>1. Excavation in foundation of building, bridges and around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)</p> <p>(By Manual) in ordinary soil.</p> <p>Plate form Ramp toe wall ramp toe wall tuff paver</p>	<p>1 x 1 x 8 x 5 x 1 = 40 Cft 1 x 1 x 8 x 9 x 1 = 72 " 1 x 2 x 9 x 1.5 x 1 = 27 " 1 x 2 x 12 x 1.5 x 1 = 36 "</p> <p><b>Total:-</b> = @ 10,712.60 /%Cft = Rs. 1,875 /-</p>
<p>2. Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.</p> <p>Ramp toe wall ramp toe wall tuff paver</p>	<p>1 x 1 x 8 x 9 x 0.5 = 36 " 1 x 2 x 9 x 1.5 x 0.333 = 9 " 1 x 2 x 12 x 1.5 x 0.333 = 12 "</p> <p><b>Total:-</b> = @ 8,903.40 /%Cft = Rs. 5,075 /-</p>
<p>3. Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 6: 12</p> <p>Plate form tuff paver</p>	<p>1 x 1 x 8 x 5 x 0.5 = 20 Cft 1 x 1 x 8 x 12 x 0.5 = 48 "</p> <p><b>Total:-</b> = @ 21,099.80 /%Cft = Rs. 14,348 /-</p>
<p>4. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 4: 8</p> <p>1 x 1 x 8 x 5 x 0.25 = 10 Cft</p> <p><b>Total:-</b> = @ 29,022.20 /%Cft = Rs. 2,902 /-</p>	<p><b>Total:-</b> = @ 21,099.80 /%Cft = Rs. 14,348 /-</p>
<p>5. 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 B (nominal mix 1: 1½: 3)</p> <p>Plate form pillars top front and back beam top side beam</p>	<p>1 x 1 x 8 x 5 x 1 = 40 Cft 1 x 4 x 1.125 x 14 = 71 " 1 x 2 x 8 x 1.125 x 1.125 = 20 " 1 x 2 x 2.75 x 1.125 x 1.125 = 7 "</p> <p><b>Total:-</b> = @ 615.05 /Cft = Rs. 84,877 /-</p>
<p>6. 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)</p> <p>1 x 1 x ( 138 x 6.75 x 0.454 ) = 423 Kg</p> <p><b>Total:-</b> = @ 31,460.05 /%Kg = Rs. 133,076 /-</p>	<p><b>Total:-</b> = @ 615.05 /Cft = Rs. 84,877 /-</p>
<p>7. Pucca brick work in foundation and plinth:- cement, sand mortar:- Ratio 1:4</p> <p>ramp toe wall ramp toe wall tuff paver</p>	<p>1 x 1 x 8 x 9 x 1.5 = 108 Cft 1 x 2 x 9 x 0.75 x 2 = 27 " 1 x 2 x 12 x 0.75 x 1 = 18 "</p> <p><b>Total:-</b> = @ 28,698.00 /%Cft = Rs. 43,908 /-</p>
<p>8. 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. /% the cost of scaler for finishing the joints i.e. cutting grinding complete in all respect as approved and directed by the Engineer in charge.</p> <p>d) (Non-skid Chequered Tiles) 300mmx300mm ramp</p>	<p><b>Total:-</b> = @ 153 Cft = Rs. 43,908 /-</p>

Total:  $\frac{72}{21295}$  Sft / Sft = Rs. 15332/-

9. Cement plaster 1:4 upto 20' (6.00 m) height:-  
 1/2" (13 mm) thick
- |                       |                                |         |
|-----------------------|--------------------------------|---------|
| Pillars               | 4 x 2 x (1.125 + 1.125) x 14 = | 252 Sft |
| Top front & back beam | 2 x 2 x (8 + 1.125) x =        | 41 "    |
| Top side beam         | 2 x 2 x (2.75 + 1.125) x =     | 17 "    |
- Total:- = 310 Sft  
 @ 3,285.45 / %Sft = Rs. 10,185 /-
10. 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:  
 take same qty as above item
- |  |             |         |
|--|-------------|---------|
|  | 1 x 1 x 310 | 310 Sft |
|--|-------------|---------|
- Total:- = 310 Sft  
 @ 5,292.95 / %Sft = Rs. 16,408 /-

- a. new surface: two coats :-  
 Take Qty as per Item (-----)
- |  |            |        |
|--|------------|--------|
|  | 1 x 2 x 10 | 20 Rft |
|--|------------|--------|
- Total:- = 20 Rft  
 @ 2,368.45 / Rft = Rs. 47,369 /-

11. 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 x 1 x 8 x 12 | 96 Sft |
|--|----------------|--------|
- Total:- = 96 Sft  
 @ 157.85 / Sft = Rs. 15,154 /-

12. Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs, 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gables fixed on vertical post, i/c staples steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.
- |  |            |        |
|--|------------|--------|
|  | 1 x 2 x 10 | 20 Rft |
|--|------------|--------|
- Total:- = 20 Rft  
 @ 2,368.45 / Rft = Rs. 47,369 /-

13. Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.
- |  |              |       |
|--|--------------|-------|
|  | 1 x 2 x 2.75 | 6 Rft |
|--|--------------|-------|
- Total:- = 6 Rft  
 @ 508.90 / Rft = Rs. 3,053 /-

14. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.
- |  |             |         |
|--|-------------|---------|
|  | 1 x 1 x 138 | 121 Cft |
|--|-------------|---------|
- Total:- = 121 Cft  
 @ 12,032.50 / %Cft = Rs. 14,559 /-

15. Providing and laying prepolished granite 3/4" thick Red Granite full width i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.  
 Plate form
- |  |               |        |
|--|---------------|--------|
|  | 1 x 1 x 8 x 5 | 40 Sft |
|  | 1 x 1 x 9 x 8 | 72 Sft |
- Total:- = 112 Sft  
 @ 1,500.00 / Sft = Rs. 166,800 /-

16. Providing and laying prepolished granite 1/2" thick Red Granite full width for skirting / dado i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.
- |  |             |       |
|--|-------------|-------|
|  | 1 x 2 x 4.5 | 5 Sft |
|--|-------------|-------|
- Total:- = 5 Sft  
 @ 1,184.70 / Sft = Rs. 5,923.50 /-



17. Providing and laying laminated tempered glass for 12 mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the engineer incharge.

1 x 1 x 8 x 5 = 40 Sft

Total- = 40 Sft

@ ~~550-00~~ / Sft = Rs. ~~264000~~

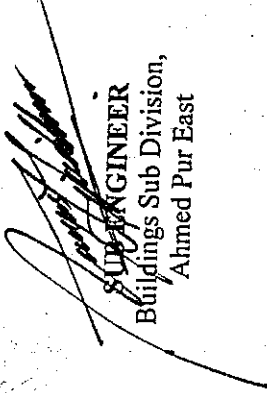
1244-20

Total = Rs. 509724

497681


264000

595279

  
SUB-ENGINEER  
Buildings Sub Division,  
Ahmed Pur East



SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Manawalpur

**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION  
(FOR SINGLE WINDOW)**

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

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)  
(By Manual)  
in ordinary soil.

1 x 1 x 7.125 x 2.125 x 1.5 =	23 Cft
<b>Total:-</b>	<b>23 Cft</b>
<b>@</b>	<b>10,712.60 /%Cft = Rs. 246 /-</b>

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 x 1 x 7.125 x 2.125 x 0.5 =	8 Cft
<b>Total:-</b>	<b>8 Cft</b>
<b>@</b>	<b>21,099.80 /%Cft = Rs. 1,688 /-</b>

3. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
Ratio 1: 4: 8

1 x 1 x 7.125 x 2.125 x 0.25 =	4 Cft
<b>Total:-</b>	<b>4 Cft</b>
<b>@</b>	<b>29,022.20 /%Cft = Rs. 1,161 /-</b>

4. 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 B (nominal mix 1: 1½: 3)

Bottom pillars	1 x 1 x 6.125 x 1.125 x 5.75 =	40 Cft
top	1 x 2 x 1.125 x 1.125 x 8.125 =	21 "
	1 x 1 x 6.125 x 1.125 x 1.125 =	8 "
<b>Total:-</b>	<b>@</b>	<b>69 Cft</b>
		<b>615.05 /Cft = Rs. 42,438 /-</b>

5. 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 x 1 x ( 69 x 6.75 x 0.454 ) =	211 Kg
<b>Total:-</b>	<b>211 Kg</b>
<b>@</b>	<b>31,460.05 /%Kg = Rs. 66,381 /-</b>

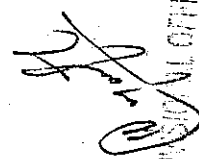
6. Cement plaster 1:4 upto 20' (6.00 m) height:-  
½" (13 mm) thick

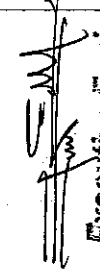
Bottom side	1 x 1 x 6.125 x 5.75 =	41 Sft
inside top	1 x 2 x 1.125 x 5.75 =	24 "
Pillars	1 x 1 x 3.875 x 1.125 =	5 "
top	2 x 2 x ( 1.125 + 1.125 ) x 8.125 =	73 "
	1 x 2 x ( 6.125 + 1.125 ) x 1.125 =	16 "
<b>Total:-</b>	<b>@</b>	<b>159 Sft</b>
		<b>3,285.45 /%Sft = Rs. 5,224 /-</b>

7. 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:  
take same qty as above item

1 x 1 x 159	159 Sft
<b>Total:-</b>	<b>159 Sft</b>
<b>@</b>	<b>5,292.95 /%Sft = Rs. 8,416 /-</b>
<b>Total</b>	<b>= Rs. 125,554 /-</b>

a. new surface:- two coats :-  
Take Qty as per Item (-----)


  
**SUB-DIVISIONAL OFFICER**  
 Buildings Sub-Division  
 Ahmednagar District  
 Maharashtra

  
**Executive Engineer**  
 Buildings Division No-II,  
 Maharashtra

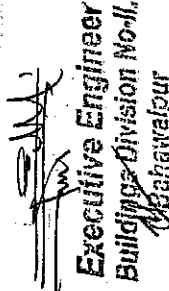
**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION  
(FOR DOUBLE WINDOW)**

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

1.	Excavation in foundation of building, bridges and other structures, including dngbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) (By Manual) in ordinary soil.	1 x 1 x 15.125 x 2.125 x 1.5 = 48 Cft	Total:- = 48 Cft @ 10,712.60 /%0Cft = Rs. 514 /-
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 x 1 x 15.125 x 2.125 x 0.5 = 16 Cft	Total:- = 16 Cft @ 21,099.80 /%Cft = Rs. 3,376 /-
3.	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 4: 8	1 x 1 x 15.125 x 2.125 x 0.25 = 8 Cft	Total:- = 8 Cft @ 29,022.20 /%Cft = Rs. 2,322 /-
4.	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or pre-cast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1½: 3) Bottom pillars top	1 x 1 x 14.5 x 1.125 x 5.75 = 94 Cft 1 x 2 x 1.125 x 1.125 x 8.125 = 21 " 1 x 1 x 15.5 x 1.125 x 1.125 = 20 "	Total:- = 135 Cft @ 615.05 / Cft = Rs. 83,032 /-
5.	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 x 1 x ( 135 x 6.75 x 0.454 ) = 414 Kg	Total:- = 414 Kg @ 31,460.05 /%Kg = Rs. 130,245 /-
6.	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick Bottom side inside top Pillars top	1 x 1 x 15.5 x 5.75 = 95 Sft 1 x 2 x 1.125 x 5.75 = 24 " 1 x 1 x 12.25 x 1.125 = 15 " 2 x 2 x ( 1.125 + 1.125 ) x 8.125 = 73 " 1 x 2 x ( 14.5 + 1.125 ) x 1.125 = 35 "	Total:- = 242 Sft @ 3,285.45 /%Sft = Rs. 7,951 /-
7.	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: take same qty as above item	1 x 1 x 242	Total:- = 242 Sft @ 5,292.95 /%Sft = Rs. 12,809 /-
8.	new surface:- two coats :- Take Qty as per Item (-----)	1 x 1 x 242	Total:- = 242 Sft @ 5,292.95 /%Sft = Rs. 12,809 /-
		<b>Total</b>	<b>= Rs. 240,249 /-</b>



SUB DIVISIONAL OFFICER  
Buildings Division  
Ahmednagar

  
Executive Engineer  
Buildings Division No-II,  
Ahmednagar

AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENUE OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."  
 RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

GENERAL ABSTRACT OF COST OF CCU BLOCK

A. <u>BUILDING PORTION</u> (40 x 35.75 = 1430 Sft)	1 No. @ <u>9012199/-</u> Each =Rs. <u>8888677/-</u> <u>9012199/-</u>	307,582 /-
B. <u>FRONT-GATE ELEVATION</u> At Main Entrance	1 Job @ <u>Foot system window</u>	
C. <u>SINGLE WINDOW ELEVATION</u>	2 No. @ 142,944 / Each =Rs. <u>285,888 /-</u> <u>9082147/-</u>	285,888 /-
E	TOTAL OF A to H RECOVERY =Rs. <u>9640819 /-</u> =Rs. <u>9697225 /-</u>	
	NET TOTAL =Rs. <u>9,640,819 /-</u> =Rs. <u>9697225 /-</u>	
	GROSS TOTAL =Rs. <u>9,930,044 /-</u> <u>9766611/-</u> <u>9012199/-</u> <u>9082147/-</u> <u>9073389/-</u>	

SAY 9893839 Rs.  
9830044  
 Cost Per Sft = Rs. 3731 =

*[Signature]*  
 SUB-ENGINEER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 SUB-DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 Executives Engineer  
 Buildings Division No-II,  
 Bahawalpur

AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

REVEMPING OF CCU BLOCK

RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

B. GENERAL ABSTRACT OF COST CCU BLOCK

b. CIVIL WORK  
MARKET RATES SCHEDULED

7953181/-  
8576703/-  
8444555/-


Rs. =

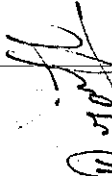
c. CIVIL WORK  
NON-SCHEDULED ITEMS


Rs. = 935,496 /-

Cost Total (a to h) Rs. =

~~9647549~~  
9012199/-  
8,888,677/-

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENMPING OF CCU BLOCK**

**B. GENERAL ABSTRACT OF COST CCU BLOCK**

**b. CIVIL WORK MARKET RATES SCHEDULED**

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022 - BWP)

**1. Pacca brick work in ground floor:-**

a) cement, sand mortar:-

Ratio 1:4 for doors

2 x 2 x	2.75	x	1.125	x	8.5	=	105	Cft
2 x 6 x	1.75	x	1.125	x	8.5	=	201	"

Total:- = 306 Cft @ 32,585.80 / %Cft = Rs. 99,713 /-

b) Ratio 1:5

1 x 12 x	2.5	x	1.125	x	1.75	=	59	Cft
1 x 1 x	47.75	x	0.75	x	1.5	=	54	"
1 x 1 x	37.625	x	0.75	x	1.5	=	42	"
1 x 1 x	10.125	x	0.75	x	1.5	=	11	"
1 x 1 x	38.25	x	0.75	x	1.5	=	43	"
1 x 1 x	27.5	x	0.75	x	1.5	=	31	"
1 x 1 x	9.25	x	0.75	x	1.5	=	10	"

Total:- = 250 Cft @ 31,630.60 / %Cft = Rs. 79,077 /-

2. 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 Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)

Toilet	1 x 2 x	10.5	x	19.125	=	402	Sft
Corridor	1 x 2 x	7.5	x	6	=	90	"
office	1 x 1 x	14	x	48.375	=	677	"
ent.	1 x 1 x	10	x	6	=	60	"
waiting	1 x 2 x	22.5	x	6	=	270	"
Entrance outer	1 x 1 x	48.375	x	47	=	2,274	"

Total:- = 3,773 Sft

**Deductions**

khurras	1 x 11 x	2	x	2	=	44	Sft
	1 x 4 x	10	x	12.5	=	500	"

Net Total ( 3,773 - 544 ) = 3,229 Sft

@ 12,112.95 / %Sft = Rs. 391,127 /-

3. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position. complete in all respect.

1-1/2" thick

take same qty as above item

1 - x	1	x	3,773	=	3,773	Sft
-------	---	---	-------	---	-------	-----

Total:- = 3,773 Sft @ 9,462.20 / %Sft = Rs. 357,009 /-

4. Khurras on roof 2'x2'x6" (600 x 600 x 150mm).

1 x	11	=	11	No.
-----	----	---	----	-----

Total:- = 11 Nos @ 865.75 / Each = Rs. 9,523 /-

5. Bottom Khurras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.

1 x	11	=	11	No.
-----	----	---	----	-----

Total:- = 11 Nos @ 1,763.10 / Each = Rs. 19,394 /-

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

1 x	8	x	12	=	288	Sft
-----	---	---	----	---	-----	-----

1 x 4 x 12.25	x 3 =	147
1 x 2 x 6	x 3 =	36
1 x 2 x 8.25	x 3 =	50
1 x 2 x 5	x 3 =	30
1 x 2 x 12	x 3 =	72
2 x 12 x 2.5	x 1.75 =	105
<b>Total:-</b>		<b>728 Sft</b>
<b>@</b>		<b>3,285.45 / %Sft = Rs.</b>

23,918 /-

7. Cement plaster 1:5 upto 20' (6.00 m) height:-  
1/2" (13 mm) thick

2 x 4 x 2.3125	x 8.5 =	157 Sft
2 x 12 x 3.3125	x 8.5 =	676 "
<b>Total:-</b>		<b>833 Sft</b>
<b>@</b>		<b>3,135.90 / %Sft = Rs.</b>

26,122 /-

8. Providing, laying, cutting, jointing, testing and disinfecting PVC pipe with B-Class marking pressure pipe, in trenches, complete in all respects:-  
4" i/d (100 mm)

1 x 11 x 14	=	154 Rft
<b>Total:-</b>		<b>154 Rft</b>
<b>@</b>		<b>1,440.95 / Rft = Rs.</b>

505571  
167906 /-

9. Providing and installing ~~B.C. bands~~, of B.S.S. Rain water pipe in all respects:-  
4" i/d (100 mm)

11 x 4	=	44 Nos.
<b>Total:-</b>		<b>44 Nos</b>
<b>@</b>		<b>1,546.30 / No. = Rs.</b>

12,010  
9896 /-

10. 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 (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2" x 1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. 1.6 mm thick

D1	1 x 2 x 4	x 8.5 =	66 Sft
D2	1 x 2 x 3.5	x 4 =	49 "
D3	1 x 2 x 3	x 4 =	41 "
	1 x 3 x 6	x 8.5 =	153 "
	1 x 2 x 4	x 8.5 =	68 "
	1 x 6 x 4	x 8.5 =	204 "
	1 x 1 x 8.5	x 8.5 =	72 "
<b>Total:-</b>		<b>726 Sft</b>	
<b>@</b>		<b>1,441.20 / Sft = Rs.</b>	

835,427 /-  
103766 /-

11. 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" x 3/4") and leaf frame sections of 50 x 20 mm (2" x 3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

W1	1 x 2 x 6	x 5.5 =	66 Sft
W2	1 x 10 x 6	x 3 =	180 "
W3	1 x 4 x 4	x 3 =	48 "
W4	1 x 4 x 4	x 3 =	48 "
W5 Grill	1 x 4 x 5.25	x 8 =	168 "
<b>Total:-</b>		<b>510 Sft</b>	
<b>@</b>		<b>1,353.75 / Sft = Rs.</b>	

690,413 /-

12. Providing and fixing Aluminium Fly screen comprising of Fiber / Aluminium wire guaze (Malasian) fixed in aluminium frame of approved manufacturer brownze Colour / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer in-charge, complete in all respect.

Take qty of item 10 (Alm window)	1 x 1 ( 1 / 2 )	510 =	510 Sft
<b>Total:-</b>		<b>510 Sft</b>	
<b>@</b>		<b>494.50 / Sft = Rs.</b>	

126,572 /-  
126098 /-

13. 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.

i) 3/8" Squar Bars  
take same qty as item # 10  
1 x 1 x 510 = 510 Sft  
Total:- @ 863.90 / Sft = Rs. 440,589 /-

14. 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" holdfasts (6-Nos) welded / screwed, punching of lock hole covered with MS Box, coating with antifurist paint including filling with cement sand mortar, punching and embedding holdfast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.

ii) 10.5" wide  
1 x 2 x 510 = 510 Sft  
1 x 2 x 315 = 315 Sft  
1 x 2 x 210 = 210 Sft  
1 x 2 x 150 = 150 Sft  
1 x 2 x 100 = 100 Sft  
1 x 2 x 50 = 50 Sft  
1 x 2 x 25 = 25 Sft  
1 x 2 x 12.5 = 12.5 Sft  
1 x 2 x 6.25 = 6.25 Sft  
1 x 2 x 3.125 = 3.125 Sft  
Total:- @ 626.40 / Sft = Rs. 365,878 /-

iii) 5.5" wide  
D4

1 x 8 x 2.5 x 7 = 140 Sft  
Total:- @ 434.50 / Sft = Rs. 60,830 /-

15. P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, lower bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

Doors  
Take same qty as item # 10 (14-Nos) @ 589 / Sft  
1 x 6 x 4 x 8.5 = 589 Sft

Total:- @ 685.75 / Sft = Rs. 400,478 /-

16. Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 2/4"x1/2"x1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, outside, painting 3 coats of black Japan enameled, complete in working order.

1 x 1 x 10 x 11 = 110 Sft  
Total:- @ 1,614.60 / Sft = Rs. 177,606 /-

17. Painting new surfaces:-

Preparing surface and painting of doors and windows any type (including edges):- three coats:- priming coat & each subsequent coat of paint.  
take 2 times qty of above item (14-Nos) x 2 x 589

Total:- @ 2,770.70 / Sft = Rs. 323,621 /-

18. Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

1 x 15 = 15 Nos.  
Total:- @ 2,939.00 / Each = Rs. 44,085 /-

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

Weather shield measurements for old surface.

Entrance side  
1 x 1 x 50 = 50 Sft  
1 x 2 x 5.5 = 11 Sft  
1 x 2 x 16.25 = 32.5 Sft  
1 x 2 x 5.625 = 11.25 Sft  
1 x 2 x 19.625 = 39.25 Sft  
1 x 4 x 7.5 = 30 Sft  
Total:- @ 700 / Sft = Rs. 49,000 /-



1 x 4 x 6	x	14	=	336
1 x 4 x 7.125	x	14	=	399
1 x 4 x 12	x	14	=	672
1 x 2 x 20.875	x	14	=	585
1 x 3 x 20.625	x	14	=	866
<b>Total:-</b>				<b>5,295</b>
<b>Deductions</b>				<b>Sft</b>
opening				
W1	1 x 1 x 6	x	5.5	= 33
W2	1 x 2 x 6	x	3	= 36
W3	1 x 10 x 4	x	3	= 120
W4	1 x 4 x 4	x	3	= 48
W5	1 x 4 x 5.25	x	8	= 168
	1 x 4 x 5	x	6	= 120

b. 60% Old surface:- two coats:- After scraping old weather shield.  
 Net Total ( 5,295 - 525 ) = 4,770 Sft  
 ( 60% x 4,770 ) Total:- @ 2,862 Sft  
 Rs. 133,120 /-

c. 40% Old surface:- one coat:- Without scraping old weather shield  
 Net Total ( 5,295 - 525 ) = 4,770 Sft  
 ( 40% x 4,770 ) Total:- @ 1,908 Sft  
 Rs. 37,082 /-

20. Preparing surface and painting with emulsion paint:-

Rooms	8 x 2 x 14	+	12	)x	8	=	3,328	Sft
Waiting	2 x 2 x 12	+	10	)x	8	=	704	"
Nursing	1 x 2 x 21.5	+	21.5	)x	8	=	688	"
Cardiolog./M.O	2 x 2 x 11	+	14	)x	8	=	800	"
Exams	2 x 2 x 6	+	8.25	)x	8	=	456	"
Ent	1 x 2 x 10	+	10	)x	8	=	320	"
Corridors	2 x 2 x 20			x	8	=	640	"
	1 x 2 x 15			x	8	=	240	"
Roofs	8 x 1 x 14	x	12			=	1,344	"
	2 x 1 x 12	x	10			=	240	"
	1 x 1 x 21.5	x	21.5			=	462	"
	2 x 1 x 11	x	14			=	308	"
	2 x 1 x 6	x	8.25			=	99	"
	1 x 1 x 10	x	10			=	100	"
<b>Total:-</b>				<b>@</b>	<b>1,908</b>	<b>Sft</b>	<b>1,943.50</b>	<b>/%Sft =</b>

Deductions doors

1 x 8 x 4	x	2.5	=	80
1 x 2 x 3.5	x	2.5	=	18
1 x 8 x 2.5	x	1	=	20
<b>Total:-</b>				<b>9,729</b>
<b>Sft</b>				<b>Sft</b>

Net Total

( 9,729 - 118 )

a. old surface:- two coats :-  
 take 100 % old surface for painting

<b>Total:-</b>				<b>118</b>
<b>Sft</b>				<b>Sft</b>
<b>Total:-</b>				<b>9,611</b>
<b>Sft</b>				<b>Sft</b>
<b>Total:-</b>				<b>9,611</b>
<b>Sft</b>				<b>Sft</b>
<b>Total:-</b>				<b>@ 2,065.65</b>
<b>/%Sft =</b>				<b>Rs. 198,530 /-</b>

21. Providing and fixing wooden box type wardrobe 22" (550 mm) deep including 3/4" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-  
 Deodar wood boxing, and deodar wood shelves and leaves, etc.

1 x 1 x 9	x	4	=	36
<b>Total:-</b>				<b>36</b>
<b>Sft</b>				<b>Sft</b>
<b>Total:-</b>				<b>@ 2,557.85</b>
<b>/%Sft =</b>				<b>Rs. 92,083 /-</b>

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

Nursing	1 x 1 x 21.5	x	21.5	x	0.125	=	58
Room	1 x 8 x 12	x	12.5	x	0.125	=	150
Corridor	1 x 2 x 19.5	x	6	x	0.125	=	29
Passage	1 x 1 x 13.5	x	6	x	0.125	=	10
Waiting	1 x 2 x 11	x	6	x	0.125	=	17
Entrance	1 x 1 x 16.75	x	10	x	0.125	=	21
Cardiologist	1 x 2 x 11	x	14	x	0.125	=	39
Exam	1 x 2 x 6	x	8.25	x	0.125	=	12

1 x 1 x 10 x 4 x 0.125 =	5
1 x 1 x 10 x 30 x 0.125 =	38
1 x 8 x 4 x 1.125 x 0.125 =	5
1 x 6 x 3.5 x 1.125 x 0.125 =	3
<b>Total:-</b>	
= @	387
= Rs.	38,219.00 / %Cft
=	147,908 /-

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.

a) Full body Glazed tiles  
600mmx 600 mm

Nursing	1 x 1 x 21.5 x 21.5	462	Sft
Room	1 x 8 x 12 x 12.5	1,200	"
Corridor	1 x 2 x 19.5 x 6	234	"
Passage	1 x 1 x 13.5 x 6	81	"
Waiting	1 x 2 x 11 x 6	132	"
Entrance	1 x 1 x 16.75 x 10	168	"
Cardiologist	1 x 2 x 11 x 14	308	"
Exam	1 x 2 x 6 x 8.25	99	"
	1 x 1 x 10 x 4	40	"
	1 x 1 x 10 x 30	300	"
	1 x 8 x 4 x 1.125	36	"
	1 x 6 x 3.5 x 1.125	24	"
<b>Total:-</b>			
= @	3,084	Sft	
= Rs.	341.90	/ Sft	
=	1,054,420	/-	

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.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Rooms	1 x 2 x( 21.5 + 21.5 )x 0.333	29	Sft
Waiting	8 x 2 x( 12 + 12.5 )x 4	1,568	"
Gallery	2 x 2 x( 19.5 + 6 )x 4	408	"
	1 x 2 x( 13.5 + 6 )x 4	156	"
	2 x 2 x( 11 + 6 )x 4	272	"
	1 x 2 x( 16.75 + 10 )x 4	214	"
	2 x 2 x( 11 + 14 )x 0.333	33	"
	2 x 2 x( 6 + 8.25 )x 4	228	"
	1 x 2 x( 10 + 4 )x 4	112	"
	1 x 2 x( 10 + 30 )x 4	320	"
<b>Total:-</b>		3,340	Sft

**Deductions**

Doors	1 x 8 x 4	x 0.333	= 11	Sft
	1 x 4 x 3.5	x 0.333	= 5	"
<b>Total:-</b>			16	Sft

Net Total ( 3,340 - 16 )

= @ 3,324 / Sft = Rs. 1,136,476 /-

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

3/4" thick  
Nursing Station

W1	1 x 1 x 9 x 1.125	18	Sft
W2	1 x 2 x 6 x 1.125	14	"
W3	1 x 10 x 6 x 1.125	68	"
W4	1 x 4 x 4 x 1.125	18	"
W5 Grill	1 x 4 x 4 x 1.125	18	"
Ent	1 x 4 x 5.25 x 1.125	24	"
Step	1 x 1 x 10 x 4	40	"
	1 x 4 x 9 x 1	36	"
<b>Total:-</b>			
= @	508.236	Sft	
= Rs.	1,510.70	/ Sft	

66332/4  
15/5/2019

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

Step	1 x 3 x 9	x	0.5	=	14	Sft
Nursing Station	1 x 2 x 9	x	3	=	54	"
"	1 x 2 x 2	x	3	=	12	"
Column	4 x 2 x (1.25 + 1.25)	x	8	=	160	"
Flower traf	1 x 2 x 8	x	3	=	48	"
"	1 x 2 x 3	x	3	=	18	"

Total:- = 306 Sft / Sft = Rs. 1,184.70

362,518 /-

27. 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.

Toilets	12"x18" / 12"x24" / 10"x24" / 8"x24" / 12"x36"	1 x 6 x 3	x	6	=	108	Sft
ent		1 x 2 x 9.75	x	6	=	117	Sft
store		1 x 2 x 9.75	x	10.875	=	212	Sft
Toilets		1 x 2 x 6	x	5	=	60	"

Total:- = 497 Sft / Sft = Rs. 241.35

119,951 /-

28. Providing and laying superb quality Ceramic files 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.

Toilets	12"x18" / 12"x24" / 10"x24" / 8"x24" / 12"x36"	6' x 2 x (3 + 6)	x	7	=	756	Sft
		2 x 2 x (9.75 + 6)	x	7	=	441	"
		2 x 2 x (9.75 + 10.875)	x	7	=	578	"
		2 x 2 x (6 + 5)	x	7	=	308	"

Total:- = 1663 Sft / Sft = Rs. 294.10

48,9055 / -  
612,610 / -

29. Providing and laying superb quality Porcelain glazed files 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.

Room	(Non-Skid Chequered Tiles) 300mmx300mm	1 x 2 x 20	x	5.5	=	220	Sft
		1 x 1 x 10	x	5	=	50	"

Total:- = 270 Sft / Sft = Rs. 212.95

57,497 / -

Total (b) = Rs. 3,44,853 / -

*[Signature]*  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

*[Signature]*  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

076703  
7953181 / -

*[Signature]*  
Executive Engineer  
Buildings Division No-II,  
Benawa Pur

**CIVIL WORK**

**NON-SCHEDULED ITEMS**

1. Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

1 x 1 x 500	=	500	Rft
<b>Total:-</b>			<b>Rs.</b>
	=	500	Rft
	@	950.00	/ Rft = Rs.
			425,000 /-

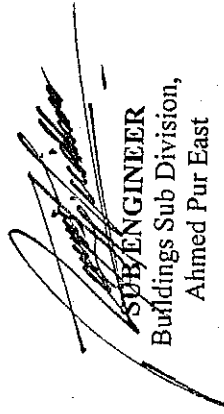
2. Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

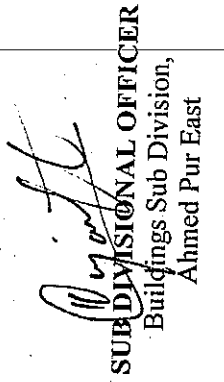
D4	1 x 8 x 2.5	x	7	=	140	Sft
<b>Total:-</b>						<b>Rs.</b>
				@	728.00	/ Sft = Rs.
						101,920 /-

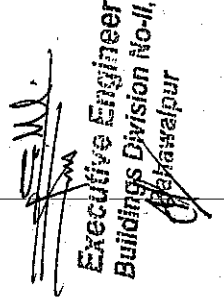
3. Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer Incharge.

	8 x 4 x 8	=	256	Rft
<b>Total:-</b>				<b>Rs.</b>
		@	1,596.00	/ Rft = Rs.
				408,576 /-

<b>Total (c)</b>			<b>Rs.</b>
			935,496 /-

  
**SUB ENGINEER**  
 Buildings Sub Division,  
 Ahmed Pur East

  
**SUB DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmed Pur East

  
**Executive Engineer**  
 Buildings Division No-II,  
 Bahawalpur

**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION  
(FOR SINGLE WINDOW OF C.C.U BLOCK)**

1. Excavation in foundation of building, bridges and other structures, including daggelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) (By Manual) in ordinary soil.  
MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

1 x 1 x 5.375 x 2.125 x 1.5 = 17 Cft

Total:- = 17 Cft  
@ 10,712.60 /%0Cft = Rs. 182 /-

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 x 1 x 5.375 x 2.125 x 0.5 = 6 Cft

Total:- = 6 Cft  
@ 21,099.80 /%Cft = Rs. 1,266 /-

3. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
Ratio 1: 4: 8

1 x 1 x 5.375 x 2.125 x 0.25 = 3 Cft

Total:- = 3 Cft  
@ 29,022.20 /%Cft = Rs. 871 /-

4. 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 B (nominal mix 1: 1½: 3)  
pillars  
top

2 x 3 x 1.125 x 1.125 x 13.875 = 105 Cft  
2 x 3 x 7.5 x 1.125 x 1.125 = 57 "

Total:- = 162 Cft  
@ 615.05 /Cft = Rs. 99,638 /-

5. 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 x 1 x ( 162 x 6.75 x 0.454 ) = 496 Kg

Total:- = 496 Kg  
@ 31,460.05 /%Kg = Rs. 156,042 /-

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

6 x 2 x ( 1.125 + 1.125 ) x 13.875 = 375 Sft  
6 x 2 x ( 1.125 + 1.125 ) x 7.5 = 203 "

Total:- = 578 Sft  
@ 3,285.45 /%Sft = Rs. 18,990 /-

7. 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:  
take same qty as above item

1 x 1 x 578

a. new surface:- two coats :-  
Take Qty as per Item (-----)

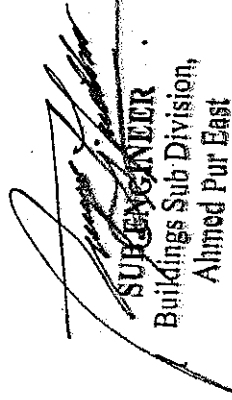
Total:- = 578 Sft

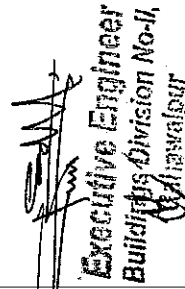
Total:- = 578 Sft

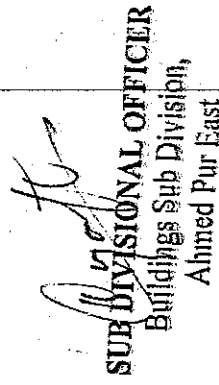
Total:- = 578 Sft

@ 5,292.95 /%Sft = Rs. 30,593 /-

Total = Rs. 307,582 /-

  
SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Bhawapur

  
SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION  
(FOR SINGLE WINDOW OF C.C.U BLOCK)**

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

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) (By Manual) in ordinary soil.

1 x 1 x 8.5 x 2.125 x 1.5 = 27 Cft

Total:- = 27 Cft  
@ 10,712.60 /%Cft = Rs. 289 /-

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 x 1 x 8.5 x 2.125 x 0.5 = 9 Cft

Total:- = 9 Cft  
@ 21,099.80 /%Cft = Rs. 1,899 /-

3. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
Ratio 1: 4: 8

1 x 1 x 8.5 x 2.125 x 0.25 = 5 Cft

Total:- = 5 Cft  
@ 29,022.20 /%Cft = Rs. 1,451 /-

4. 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 B (nominal mix 1: 1½: 3)

Bottom pillars top  
1 x 1 x 7.5 x 1.125 x 5.75 = 49 Cft  
1 x 2 x 1.125 x 8.125 = 21 "  
1 x 1 x 7.5 x 1.125 x 1.125 = 9 "

Total:- = 79 Cft  
@ 615.05 /Cft = Rs. 48,589 /-

5. 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 x 1 x ( 79 x 6.75 x 0.454 ) = 242 Kg

Total:- = 242 Kg  
@ 31,460.05 /%Kg = Rs. 76,133 /-

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

Bottom side inside top Pillars top  
1 x 1 x 7.5 x 5.75 = 49 Sft  
1 x 2 x 1.125 x 5.75 = 24 "  
1 x 1 x 3.875 x 1.125 = 5 "  
2 x 2 x ( 1.125 + 8.125 ) x 7.5 = 73 "  
1 x 2 x ( 7.5 + 1.125 ) x 1.125 = 19 "

Total:- = 170 Sft  
@ 3,285.45 /%Sft = Rs. 5,585 /-


7. 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:  
take same qty as above item

1 x 1 x 170 = 170 Sft


a. new surface- two coats :-  
Take Qty as per item (-----)

Total:- = 170 Sft  
@ 5,292.95 /%Sft = Rs. 8,998 /-

Total = Rs. 142,944 /-



SUB DIVISIONAL OFFICER  
BUILDINGS DIVISION  
400th Post East

  
Executive Engineer  
Buildings Division No-II,  
Bathawalkur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

**GENERAL ABSTRACT OF COST OF INDOOR BLOCK (MALE / FEMALE)**

- A. **SURGICAL BLOCK**  
(40 x 35.75 = 1430 Sft)
- A-i **FRONT GATE ELEVATION**  
At Main Entrance
- A-ii **SIDE GATE ELEVATION**  
At side entrance
- B. **GYENE WARD**

I No. @	47279540/-	17081451/-	177013907/-
	17,401,490 / Each =Rs.		
I Job @	1058913	1658913	972,395
	972,395 / Each =Rs.		
I Job @	595579	580625/-	595579
	509,121 / Each =Rs.		
I. No. @	18483183	18383396/-	16483183
	18,416,672 / Each =Rs.		
		37103885/-	37299678
		1118,990	1116789
		113117/-	
		38,416,008	3832578
			3832600
			38,419,000
			37217002/-
			2684.07 / Sft
			2691

Add 3 % for Contingencies.

126.5x60.25 = 7622 Sft  
 19.75x16.75 = 331 Sft  
 Gyene indoor = 6326 Sft

Cost Per Sft = Rs. 38325780 / 14279 =

NET TOTAL

GROSS TOTAL

SAY

*[Signature]*  
 SUB ENGINEER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 SUB DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 Executive Engineer  
 Buildings Division No-II,  
 Bahawalpur

AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."

RATES ARE BASED ON:

REVENPING OF INDOOR BLOCK (SURGICAL)

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

C. GENERAL ABSTRACT OF COST SURGICAL BLOCK

b. CIVIL WORK  
MARKET RATES SCHEDULED

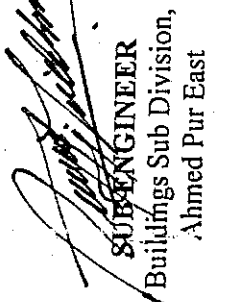
Rs. = ~~15,699,114~~ 15,379,073/-

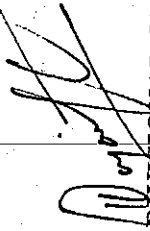
c. CIVIL WORK  
NON-SCHEDULED ITEMS

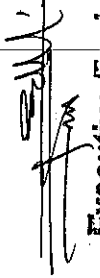
Rs. = 1,702,376 /-

Cost Total (a to h) Rs. = ~~17,401,490~~

177,79,840/-  
170,81,451/-

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
EXECUTIVE ENGINEER  
Buildings Division No-II,  
Bahawalpur



**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSHIL HEADQUARTER HOSPITAL AT TEHSHIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENMPING OF INDOOR BLOCK (SURGICAL)**

**C. GENERAL ABSTRACT OF COST SURGICAL BLOCK**

**b. CIVIL WORK**

**MARKET RATES SCHEDULE**

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

**1. Pacca brick work in ground floor:-**

a) cement, sand mortar:-

Ratio 1:4

partition bath

partition bath

2 x 2 x	9.25	x	0.375	x	7	=	97	Cft
2 x 3 x	4.25	x	0.375	x	7	=	67	"

**Total:-**  
= 164 Cft  
@ 32,585.80 /%Cft = Rs. 53,441 /-

**b) Ratio 1:5**

Long side

Short side

Corridor T.block

Side ver

2 x 2 x	88.5	x	0.75	x	1.25	=	332	Cft
2 x 2 x	88.5	x	1.125	x	0.25	=	100	"
1 x 2 x	29	x	0.75	x	1.25	=	54	"
1 x 2 x	29	x	1.125	x	0.25	=	16	"
1 x 1 x	12	x	0.75	x	1.25	=	11	"
1 x 1 x	12	x	1.125	x	0.25	=	3	"
3 x 2 x	12	x	0.75	x	1.25	=	68	"
3 x 2 x	12	x	1.125	x	0.25	=	20	"
2 x 2 x	21.5	x	0.75	x	1.25	=	81	"
2 x 2 x	21.5	x	1.125	x	0.25	=	24	"
2 x 2 x	9.25	x	0.75	x	1.25	=	35	"
2 x 2 x	9.25	x	1.125	x	0.25	=	10	"
2 x 2 x	35	x	0.75	x	1.25	=	131	"
2 x 2 x	35	x	1.125	x	0.25	=	39	"

**Total:-**  
= 924 Cft  
@ 31,630.60 /%Cft = Rs. 292,267 /-

**2. 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 Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)**

Main building	1 x 1 x	187.75	x	29.33	=	5,507	Sft
T block	1 x 2 x	19.25	x	9.75	=	375	"
corridor T block	1 x 2 x	12	x	7	=	168	"
stair /cr	1 x 1 x	10	x	12	=	120	"
	1 x 1 x	35	x	9.75	=	341	"

**Deductions**  
1 x 24 x 2 x 2 = 96 Sft

**Net Total** ( 6,511 - 96 ) = 6,415 Sft

@ 12,112.95 /%Sft = Rs. 777,046 /-

**3. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position, complete in all respect.**

1-1/2" thick

take same qty as above item

1 x 1 x	6,511	=	6,511	Sft
---------	-------	---	-------	-----

**Total:-**  
= 6,511 Sft  
@ 9,462.20 /%Sft = Rs. 616,084 /-

**4. Khurras on roof 2'x2'x6" (600 x 600 x 150mm).**

1 x 24

6. Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3

1 x 4 x 25 x 18 = 1,800 Sft

Total:- = 1,800 Sft  
@ 3,762.55 / %Sft = Rs. 67,72

7. Cement plaster 1:4 upto 20' (6.00 m) height:-  
1/2" (13 mm) thick

Long side	2 x 2 x 88.5	x 3.25	=	1,151	Sft
short side	1 x 2 x 29	x 3.25	=	189	"
corridor toilet block	1 x 1 x 12	x 3.25	=	39	"
	3 x 2 x 12	x 3.25	=	234	"
stair ver	2 x 2 x 21.5	x 3.25	=	280	"
	2 x 2 x 9.25	x 3.25	=	120	"
partition bath	2 x 2 x 35	x 3.25	=	455	"
partition bath	4 x 2 x 9.25	x 7	=	518	"
	4 x 3 x 4.25	x 7	=	357	"

Total:- = 3,343 Sft  
@ 3,285.45 / %Sft = Rs. 109,833

8. Cement plaster 1:5 upto 20' (6.00 m) height:-  
1/2" (13 mm) thick

	2 x 6 x 12	x 9	=	1,296	Sft
	2 x 2 x 16	x 11	=	704	"
	4 x 12 x 12	x 1	=	576	"

Total:- = 2,576 Sft  
@ 3,135.90 / %Sft = Rs. 80,781

9. Cement pointing struck joints, on walls, upto 20' (6.00 m) height:-  
Ratio 1:2

Long side	2 x 2 x 88.5	x 3.25	=	1,151	Sft
short side	1 x 2 x 29	x 3.25	=	189	"
corridor toilet block	1 x 1 x 12	x 3.25	=	39	"
	3 x 2 x 12	x 3.25	=	234	"
stair ver	2 x 2 x 21.5	x 3.25	=	280	"
	2 x 2 x 9.25	x 3.25	=	120	"
	2 x 2 x 35	x 3.25	=	455	"

Total:- = 2,468 Sft  
@ 3,573.20 / %Sft = Rs. 88,187

10. Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.

Take same qty as above item 1 x 1 x 2,468 Sft

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)

1 x 24 x 14 = 336 Rft

Total:- = 336 Rft  
@ 440.95 / Rft = Rs. 148,169

12. Providing and installing P.V.C. bends, of B.S.S. 4" i/d (100 mm)

24 x 2

Total:- = 48 Nos  
@ 446.90 / No. = Rs. 21,590

*C.S. Rain water pipe*  
*C.S. Head*  
*24x24 = 24 Nos*  
*24x24 = 24 Nos*  
*@ 889.60/E = R.*

13. Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60 x 40 mm (2 1/2" x 1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge. 1.6 mm thick

conference room door	1	x	1	x	6	x	8.5	=	51	Sft
conference room side door	1	x	2	x	5.25	x	8	=	84	"
ward	1	x	4	x	4	x	8.5	=	136	"
"	1	x	2	x	7	x	8.5	=	119	"
aid room	1	x	8	x	3.5	x	8.5	=	238	"
toilet block main door	1	x	2	x	4	x	8.5	=	68	"
stair room door	1	x	1	x	5	x	8.5	=	43	"
partition panel box	1	x	1	x	9	x	11	=	99	"
Main Entrance doors	1	x	1	x	9	x	8.5	=	77	"
"	1	x	1	x	5	x	8.5	=	43	"
"	1	x	1	x	6	x	8.5	=	51	"

Total:- = 171 @ 1,441.20 / Sft = Rs. 246445

14. Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 20 mm (4" x 3/4") and leaf frame sections of 50 x 20 mm (2" x 3/4"), all of 1.6 mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

Windows										
Stair side	1	x	2	x	7	x	6	=	84	Sft
Window	1	x	3	x	5	x	4	=	60	"
"	1	x	2	x	5.5	x	6	=	66	"
Grill	1	x	17	x	7.5	x	6	=	765	"
Side room	1	x	8	x	3	x	5.5	=	132	"
Corridore t.block	1	x	4	x	4	x	5.5	=	88	"
Ward	1	x	8	x	4	x	5.5	=	176	"
Sice	1	x	1	x	9	x	8.5	=	77	"
C.Window	1	x	17	x	4	x	2	=	136	"

Total:- = 1,584 @ 1,353.75 / Sft = Rs. 2,144,340

15. Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

Take qty of item 10 (Alm window) 1 x 1 ( 1 / 2 ) 1584 = 792 Sft

Total:- = 792 @ 1,917.50 / Sft = Rs. 1,518,630

16. 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" x 1/8" i/c the cost of 1-1/4" x 1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.

i) 3/8" Squar Bars  
take same qty as above item 1 x 1 x 1,584

Total:- = 1,584 @ 863.90 / Sft = Rs. 1,368,418

17. 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" x 1/8" i/c 6" long M.S. Flat 1" x 1/8" holdfasts (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 holdfast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.

i) 15" wide

1 x 1 x 1 x 7 = 84 Sft

Total:- = 84 @ 731.75 / Sft = Rs. 61,467

ii) 10.50" wide

1 x 24 x 3.5 = 588 Sft

iii) 5.5" wide

/Sft = Rs.

@ 626.40

368,323

1 x 14 x 2.5 x 7 = 245 Sft

Total:- = 245 Sft  
@ 434.50 /Sft = Rs. 106,453 /

18. P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

Doors

1 x 3 x 4 x 7 = 84 Sft  
1 x 24 x 3.5 x 7 = 588 " " " "

Total:- = 672 Sft  
@ 1111 /Sft = Rs. 745,992

19. Providing and fixing collapsible gate made of 2"x2"x 1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/8" (20x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

1 x 1 x 10 x 11 = 110 Sft

Total:- = 110 Sft  
@ 1,614.60 /Sft = Rs. 177,606 /-

20. Painting new surfaces:-

Preparing surface and painting of doors and windows any type (including edges):- three coats:- priming coat & each subsequent coat of paint.

take 2 times qty of above item 18. 1 x 2 x 1411

Total:- = 2822 Sft  
@ 788.9 /%Sft = Rs. 2,226,822

21. Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

1 x 35

= 35 No.

Total:- = 35 Nos  
@ 2,939.00 / Each = Rs. 102,865 /-

22. Providing and applying weather shield paint of approved quality on external surface of building including preparati-1 of surface, application of primer complete in all respect:

P.P Long side 2 x 2 x 88.5 = 664 Sft  
Short side 1 x 2 x 28,955 = 109 " "  
Corridore T.Block 1 x 1 x 12 = 23 " "  
3 x 2 x 12 = 135 " "  
2 x 2 x 21.5 = 161 " "  
2 x 2 x 9.25 = 69 " "  
2 x 2 x 35 = 263 " "

Total:- = 1,424 Sft  
= 1,424 Sft

Total:- = 1,424 Sft  
@ 5,292.95 /%Sft = Rs. 75,372 /-

a. new surface:- two coats :-  
Take Qty as per Item (-----)

Weather shield measurments for old surface.

Front 1 x 1 x 190 = 2,470 Sft  
East side 1 x 1 x 30,08 = 391 " "  
West side 1 x 1 x 19,955 = 259 " "  
Stair side ver 1 x 2 x 35 = 910 " "  
Stair room sides 1 x 2 x 10 = 480 " "  
Extra stair room side 1 x 1 x 17 = 153 " "  
Back side 1 x 1 x 159,25 = 2,070 " "  
t.back back side 1 x 2 x 21.5 = 559 " "  
t.back back side 1 x 2 x 11.5 = 299 " "  
t.back ba side 1 x 6 x 6.125 = 478 " "

Side room	1	x	8	x	5	x	1.75	=	70	"
Deductions										
Stair side	1	x	2	x	7	x	6	=	84	Sft
"	1	x	3	x	5	x	4	=	60	"
"	1	x	2	x	5.5	x	6	=	66	"
Grill	1	x	17	x	7.5	x	6	=	765	"
Side room	1	x	8	x	3	x	5.5	=	132	"
Corridore t.block	1	x	4	x	4	x	5.5	=	88	"
Ward	1	x	8	x	4	x	5.5	=	176	"
Side	1	x	1	x	9	x	8.5	=	77	"
C.Window	1	x	17	x	4	x	2	=	136	"
<b>Total:-</b>									<b>8,318</b>	<b>Sft</b>

Net Total ( 8,318 - 1,584 ) = 6,734 Sft

b. 60% Old surface:- two coats:- After scraping old weather shield.  
 ( 60% x 6,734 ) Total:- @ 4,651.30 /%Sft = Rs. 187,911

c. 40% Old surface:- one coat:- Without scraping old weather shield  
 ( 40% x 6,734 ) Total:- @ 1,943.50 /%Sft = Rs. 52,358

23. Preparing surface and painting with emulsion paint:-

8 x 2 x(	5	+	6	)x	6	=	1,056	Sft
2 x 2 x(	19.25	+	9.25	)x	6	=	684	"
2 x 2 x	12			x	6	=	288	"
2 x 2 x(	10	+	19.875	)x	6	=	717	"
2 x 2 x(	10	+	8	)x	6	=	432	"
1 x 2 x(	16	+	11.125	)x	18	=	977	"
1 x 2 x(	17	+	12.125	)x	6	=	350	"
1 x 2 x(	35	+	9	)x	6	=	528	"
1 x 2 x(	187.75	+	9	)x	6	=	2,361	"
<b>Total:-</b>							<b>10,403</b>	<b>Sft</b>

doors	1	x	4	x	4	x	3.5	=	56	Sft
	1	x	8	x	3.5	x	3.5	=	98	"
	1	x	17	x	5.25	x	3.5	=	312	"
	1	x	2	x	7	x	1	=	14	"
	1	x	2	x	5.5	x	1	=	11	"
<b>Total:-</b>									<b>793</b>	<b>Sft</b>

a. old surface:- two coats :- take 100 % old surface for painting  
 Net Total ( 7,393 - 491 ) = 6,902 Sft

24. Providing and fixing wooden box type wardrobe 22" (550 mm) deep including 3/4" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-  
 Deodar wood boxing, and deodar wood shelves and leaves, etc.

1 x 1 x	9	x	4	=	36	Sft	
1 x 1 x	8	x	6	=	48	Sft	
<b>Total:-</b>						<b>84</b>	<b>Sft</b>

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

Ward	1	x	2	x	40	x	18.83	x	0.125	=	188	Cft
Side room	1	x	8	x	11	x	12	x	0.125	=	132	"
Corridore toilet block	1	x	2	x	7	x	11.125	x	0.125	=	19	"
Passage confine Room	1	x	1	x	10	x	19.875	x	0.125	=	25	"
"	1	x	1	x	10	x	8	x	0.125	=	10	"
Front ver	1	x	1	x	187.75	x	9	x	0.125	=	211	"
Side VER	1	x	1	x	35	x	10	x	0.125	=	44	"
Stair room	1	x	1	x	16	x	11.125	x	0.125	=	22	"
Side room wath	1	x	8	x	5	x	6	x	0.125	=	30	"
toilet block	1	x	2	x	19.75	x	9.25	x	0.125	=	46	"
<b>Total:-</b>											<b>2,557.85</b>	<b>/Sft = Rs. 214,859</b>

Total:- = 727 Cft

@ 38,219.00 /%Cft = Rs. 277,85.

26. 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 al i/c as approved and directed by the Engineer Incharge.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Item	QTY	Rate	Total	Unit
Ward	1 x 2 x	40	18.83	Sft
Side room	1 x 8 x	11	12	"
Corridore toilet block	1 x 2 x	7	11.125	"
Passage confnc Room	1 x 1 x	10	19.875	"
"	1 x 1 x	10	8	"
Front ver	1 x 1 x	187.75	9	"
Side VER	1 x 1 x	35	10	"
Stair room	1 x 1 x	16	11.125	"
Side room bath	1 x 8 x	5	6	"
toilet block	1 x 2 x	19.75	9.25	"

Total:- = 5,820 Sft  
@ 341.90 /Sft = Rs. 1,989,858

27. 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.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Item	QTY	Rate	Total	Unit
Ground Floor	2 x 2 x	40	18.83	Sft
Rooms	8 x 2 x	11	12	"
Waiting	2 x 2 x	7	11.125	"
Gallery	1 x 2 x	10	19.875	"
"	1 x 2 x	10	8	"
Side room bath	1 x 2 x	187.75	9	"
toilet block	1 x 2 x	35	10	"
Walls	1 x 2 x	16	11.125	"
"	8 x 2 x	5	6	"
"	2 x 2 x	19.75	9.25	"
"	2 x 10 x	4.25		"
"	2 x 2 x	5.5		"
"	2 x 3 x	3		"

Deductions

Item	QTY	Rate	Total	Unit
Doors	1 x 5 x	8		Sft
Ver	1 x 2 x	10		"
Ver	1 x 4 x	7		"
corridor toilet block	1 x 1 x	16		"
Stair room	1 x 5 x	5		"
Main Door	1 x 2 x	4		"
Ward door	1 x 8 x	3.5		"
Side room door	1 x 17 x	8		"
Windows	1 x 8 x	2.5		"
Side room door				"

Net Total ( 8,156 - 944 ) = 7,212 Sft

@ 341.90 /Sft = Rs. 2,465,783 /-

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

Item	QTY	Rate	Total	Unit
Window	1 x 2 x	7	1.25	Sft
"	1 x 3 x	5	1.25	"
"	1 x 2 x	5.5	1.25	"
"	1 x 17 x	7.5	1.25	"
"	1 x 8 x	3	1.25	"
"	1 x 4 x	4	1.25	"
"	1 x 8	4	1.25	"
"	1 x 1	9	1.25	"
"	1 x 1	12	1.25	"

Waiting 1 x 2 20.25 x 1.5 = 61

Total:- = ~~682~~ 202 / Sft  
 @ 1,310.70 / Sft = Rs. 500,687/-

598990/-

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

3/4" thick

Step	1 x 3 x 9	x 0.5	= 14	Sft
Ent Coim	2 x 2 x 1.5	x 6	= 36	"
Flower truf	1 x 2 x 8	x 3	= 48	"
	1 x 2 x 3	x 3	= 18	"

Total:- = 116 Sft  
 @ -1,184.70 / Sft = Rs. 137,425 /-

30. 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.

d) (Non-Skid Chequered Tiles) 300mmx300mm

Ramp	1 x 2 x 20	x 5.5	= 220	Sft
	1 x 1 x 10	x 5	= 50	"

Total:- = 270 Sft  
 @ 212.95 / Sft = Rs. 57,497 /-

31. Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2' / 2'x3' / 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1" at wall sides, galvanized tee 1/4" x 1" and 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging with G.I / Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer Incharge.

iv) 12 mm thick

Ward	1 x 2 x 40	x 18.83	= 1,506	Sft
Side room	1 x 8 x 11	x 12	= 1,056	"
Side room bath	1 x 8 x 5	x 6	= 240	"
Corridore toilet block	1 x 2 x 7	x 11.125	= 156	"
toilet block	1 x 2 x 19.75	x 9.25	= 365	"
passage to committee	1 x 1 x 10	x 19.875	= 199	"
Front ver	1 x 1 x 10	x 8	= 80	"
Side VER.	1 x 1 x 187.75	x 9	= 1,690	"
Stair room	1 x 1 x 35	x 10	= 350	"
	1 x 1 x 16	x 11.125	= 178	"

Total:- = ~~237~~ 5020 Sft  
 @ 100.30 / Sft = Rs. 503,746 /-

232596

Total (b) = Rs. 15,699,444 /-

15379075/-

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 Ahmed Pur East

SUB-DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East

Executive Engineer  
 Buildings Division No-II,  
 Bahawalpur

**CIVIL WORK  
NON-SCHEDULED**

**NON-SCHEDULED ITEMS**

Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

UNIT SUM 1 x 1 x 1000 = 1,000 Rft

Total:- = 1,000 Rft  
@ 1,000.00 / Rft = Rs. 1,000.00

850,000

2. Providing and fixing Operable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides /c the cost of hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

D4 1 x 4 x 3 x 7 = 84 Sft  
1 x 8 x 2.5 x 7 = 140 " "  
1 x 6 x 2.5 x 7 = 105 " "

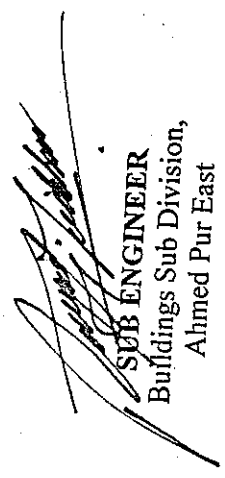
Total:- = 329 Sft  
@ 728.00 / Sft = Rs. 239,512

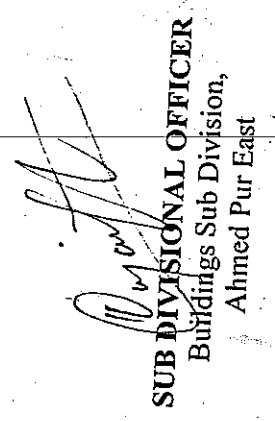
3. Providing and fixing stainless steel cladding for columns, complete in all respects as approved and directed by the Engineer Incharge.

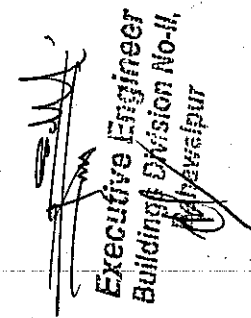
12 x 4 x 8 = 384 Rft

Total:- = 384 Rft  
@ 1,596.00 / Rft = Rs. 612,864

Total (c) = Rs. 1,702,376 /-

  
**SUB ENGINEER**  
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Buildings Sub Division,  
Ahmed Pur East

  
**Executive Engineer**  
Building Division No-II,  
Muzaffarpur



**DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION  
MAIN GATE OF SURGICAL WARD / INDOOR**

(Indoor Block)  
MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BW)

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)  
(By Manual)  
in ordinary soil.

1 x 1 x 17 x 11 x 1 =	187	Cft
1 x 2 x 8 x 1.5 x 1 =	24	"
1 x 2 x 12 x 1.5 x 1 =	36	"

Total:- = 247 Cft  
@ 10,712.60 /%Cft = Rs. 2,646 /-

2. Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.  
toe wall tuff paver

1 x 2 x 5 x 1.5 x 0.333 =	5	Cft
1 x 1 x 8 x 6.5 x 0.5 =	26	"
1 x 2 x 8 x 1.5 x 0.333 =	8	"

Total:- = 39 Cft  
@ 8,903.40 /%Cft = Rs. 3,472 /-

3. Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-  
Ratio 1: 6: 12

1 x 1 x 17 x 11 x 0.5 =	94	Cft
1 x 1 x 12 x 9 x 0.5 =	54	"

Total:- = 148 Cft  
@ 21,099.80 /%Cft = Rs. 31,228 /-

4. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
Ratio 1: 4: 8

1 x 1 x 17 x 11 x 0.25 =	47	Cft
1 x 1 x 8 x 6.5 x 0.125 =	7	"

Total:- = 54 Cft  
@ 29,022.20 /%Cft = Rs. 15,672 /-

5. 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 B (nominal mix 1: 1 1/2: 3)

Plate form step side pillars	1 x 1 x 16 x 8 x 1 =	128	Cft
top front and back beam	1 x 4 x 1.125 x 1.125 x 14 =	71	"
top side beam	1 x 2 x 16 x 1.125 x 1.125 =	41	"
	1 x 2 x 5.75 x 1.125 x 1.125 =	15	"

Total:- = 255 Cft  
@ 615.05 /Cft = Rs. 156,838 /-

6. 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 x 1 x ( 255 x 6.75 x 0.454 ) =	781	Kg
----------------------------------	-----	----

Total:- = 781 Kg  
@ 31,460.05 /%Kg = Rs. 245,703 /-

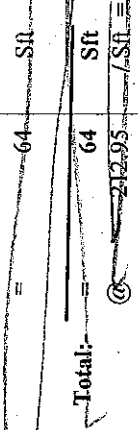
7. Pacca brick work in foundation and plinth:-  
cement, sand mortar:-  
Ratio 1:4

plate form step side	1 x 1 x 8 x 2.25 x 0.5 =	9	Cft
"	1 x 1 x 8 x 1.125 x 0.5 =	5	"
toe wall tuff paver	1 x 2 x 8 x 0.75 x 2.5 =	30	"
	1 x 2 x 12 x 0.75 x 1 =	18	"

Total:- = 62 Cft  
@ 28,698.00 /%Cft = Rs. 17,793 /-

10. 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 and grinding complete in all respect as approved and recorded by the Engineer.

d) (Non-Skid Chequered Tiles) 300mmx300mm



11. Cement plaster 1:4 upto 20' (6.00 m) height:-

1/2" (13 mm) thick

Pillars	4 x 2 x (1.125 + 1.125) x 14	=	252	Sft
Top front & back beam	2 x 2 x (16 + 1.125) x 1.125	=	77	"
Top side beam	2 x 2 x (5.75 + 1.125) x 1.125	=	31	"

Total: = 360 Sft  
@ 3,285.45 / %Sft = Rs. 11,828 /-

12. 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:

take same qty as above item

1 x 1 x 360 Sft

a. new surface:- two coats :-  
Take Qty as per Item (-----)

Total: = 360 Sft  
= 360 Sft

Total: = 360 Sft  
@ 5,292.95 / %Sft = Rs. 19,055 /-

13. 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)  
50-mm thick

1 x 1 x 16 x 5 = 80 Sft

Total: = 80 Sft  
@ 157.85 / Sft = Rs. 12,628 /-

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

1 x 3 x 8 = 24 Rft

Total: = 24 Rft  
@ 2,368.45 / Rft = Rs. 56,843 /-

15. Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.

1 x 2 x 6 = 12 Rft

Total: = 12 Rft  
@ 508.90 / Rft = Rs. 6,107 /-

16. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

1 x 1 x 255 = 224 Cft

Total: = 224 Cft  
@ 12,032.50 / %Cft = Rs. 26,953 /-

17. Providing and laying 3/4" thick full width Prepolished Black Robby with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.

Black Robby

Platc farm

landing step

1 x 1 x 16 x 8 = 128 Sft

1 x 3 x 8 x 1 = 24 Sft

1 x 1 x 8 x 8 = 64 Sft

Total: = 216 Sft  
@ 125.00 / Sft = Rs. 26,953 /-

18. Providing and laying 1/2" thick full width Prepolished Black Robby with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge.

1/2" thick (12" x 12" x 24")

trad step

1 x 2 x 8 x 0.5 = 8 Sft

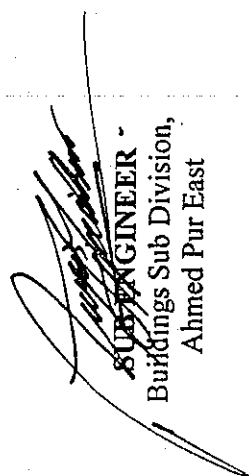
Total:- = 8 Sft  
④ ~~100.00~~ / Sft = Rs. ~~800.00~~  
118470/- 9478

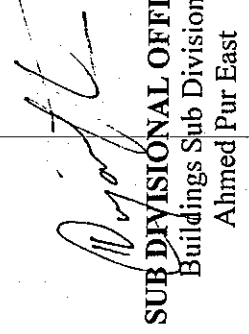
19. Providing and laying laminated tempered glass for 12 mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the engineer incharge.

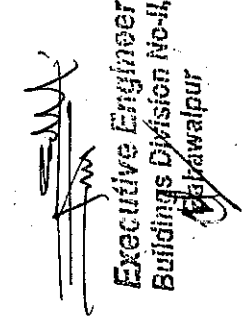
1 x 1 x 16 x 8 = 128 Sft

Total:- = 128 Sft  
④ ~~900.00~~ / Sft = Rs. ~~115200.00~~  
244.20 159258

Total = Rs. ~~977.395~~ 10869

  
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Batawalpur

# DETAILED ANALYSIS FOR CONSTRUCTION OF FRONT ELEVATION

(Hidden Block)

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

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)

(By Manual)									
in ordinary soil.									
Plate form	1	x	1	x	8	x	5	x	1
Ramp	1	x	1	x	8	x	9	x	1
toe wall ramp	1	x	2	x	9	x	1.5	x	1
toe wall tuff paver	1	x	2	x	12	x	1.5	x	1

Total:- = 175 Cft  
@ 10,712.60 /%Cft = Rs. 1,875 /-

2. Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.

Ramp	1	x	1	x	8	x	9	x	0.5
toe wall ramp	1	x	2	x	9	x	1.5	x	0.333
toe wall tuff paver	1	x	2	x	12	x	1.5	x	0.333

Total:- = 57 Cft  
@ 8,903.40 /%Cft = Rs. 5,075 /-

3. Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-  
Ratio 1: 6: 12

Plate form	1	x	1	x	8	x	5	x	0.5
tuff paver	1	x	1	x	8	x	12	x	0.5

Total:- = 68 Cft  
@ 21,099.80 /%Cft = Rs. 14,348 /-

4. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
Ratio 1: 4: 8

	1	x	1	x	8	x	5	x	0.25
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Total:- = 10 Cft  
@ 29,022.20 /%Cft = Rs. 2,902 /-

5. Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or pre-cast laid in position, or prestressed members cast in situ, complete in all respects:-  
Type B (nominal mix 1: 1½: 3)

Plate form	1	x	1	x	8	x	5	x	1
pillars	1	x	4	x	1.125	x	14	x	14
top front and back beam	1	x	2	x	8	x	1.125	x	1.125
top side beam	1	x	2	x	2.75	x	1.125	x	1.125

Total:- = 138 Cft  
@ 615.05 /Cft = Rs. 84,877 /-

6. 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	x	1	x	138	x	6.75	x	0.454
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Total:- = 423 Kg  
@ 31,460.05 /%Kg = Rs. 133,076 /-

7. Pacca brick work in foundation and plinth:-  
cement, sand mortar:-  
Ratio 1:4

ramp	1	x	1	x	8	x	9	x	1.5
toe wall ramp	1	x	2	x	9	x	0.75	x	2
toe wall tuff paver	1	x	2	x	12	x	0.75	x	1

Total:- = 153 Cft  
@ 28,698.00 /%Cft = Rs. 43,908 /-

8. 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,

9) (Mol-Skid Chequered Tiles) 300mm x 300mm

Total: =  $\frac{72}{212.95}$  Sft / Sft = Rs. 15,332 /

9. Cement plaster 1:4 upto 20' (6.00 m) height:-  
1/2" (13 mm) thick

Pillars	4 x 2 x (1.125 + 1.125) x 14	=	252	Sft
Top front & back beam	2 x 2 x (8 + 1.125) x 1.125	=	41	"
Top side beam	2 x 2 x (2.75 + 1.125) x 1.125	=	17	"
Total:-	=	310	Sft	
	@	3,285.45	/ % Sft = Rs.	10,185 /

10. Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respects:  
ake same qty as above item

	1 x 1 x 310	=	310	Sft
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a. new surface- two coats :-  
Take Qty as per Item (-----)

Total:-	=	310	Sft	
	@	5,292.95	/ % Sft = Rs.	16,408 /

11. Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion & grouting with sand in joints i/c finishing to require slope. complete in all respect.  
(50% Grey / 50% Coloured)  
60-mm thick

	1 x 1 x 8 x 12	=	96	Sft
Total:-	=	96	Sft	
	@	157.85	/ Sft = Rs.	15,154 /

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

	1 x 2 x 10	=	20	Rft
Total:-	=	20	Rft	
	@	2,368.45	/ Rft = Rs.	47,369 /

13. Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i/c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and directed by the Engineer Incharge.

	1 x 2 x 2.75	=	6	Rft
Total:-	=	6	Rft	
	@	508.90	/ Rft = Rs.	3,053 /

14. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 15' Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

	1 x 1 x 138	=	121	Cft
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Total:-	=	121	Cft	
	@	12,032.50	/ % Cft = Rs.	14,559 /

15. Providing and laying prepolished granite 3/4" thick Red Dobby full width i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.

	1 x 1 x 8 x 5	=	40	Sft
	1 x 1 x 8 x 9	=	72	Sft
Total:-	=	112	Sft	
	@	1,500.00	/ Sft = Rs.	1,68,000 /

16. Providing and laying prepolished granite 1/2" thick Red Dobby full width for skirting / dado i/c bevelling of approved quality and shade laid in cement over 3/4" thick cement sand mortar ratio 1:2 complete in all respects as approved by the Engineer Incharge.

	1 x 2 x 1.5	=	5	Sft
Total:-	=	5	Sft	
	@	1,000.00	/ Sft = Rs.	5,000 /

17. Providing and laying laminated tempered glass for 12 mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the engineer incharge.

MRS

1 x 1 x 8 x 5 = 40 Sft

Total:- @ 40 Sft = 40000/-  
 1244.28 / Sft = Rs. 36000/-

497687

Total = Rs. 509121/-

595277

5801257

*[Signature]*  
 SUB-ENGINEER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 SUB-DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
 EXECUTIVE ENGINEER  
 Buildings Division No-II,  
 Akawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVEMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

RATES ARE BASED ON:

**REVEMPING OF INDOOR BLOCK (GYENE)**

**C. GENERAL ABSTRACT OF COST GYENE BLOCK**  
 MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. B

- b. CIVIL WORK  
MARKET RATES SCHEDULED
- c. CIVIL WORK  
NON-SCHEDULED ITEMS

Rs. = 17383364  
 17483157  
~~17446640~~

Rs. = 1,000,032 /-

Cost Total (a to h) Rs. = ~~18446672~~ /-

18483183  
 18383396/-

*[Signature]*  
**SUB ENGINEER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**SUB DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**EXECUTIVE ENGINEER**  
 Buildings Division No-II  
 Bahawalpur

**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENMPING OF INDOOR BLOCK (GYENE)  
C. GENERAL ABSTRACT OF COST GYENE BLOCK**

MRS. BI-ANNUAL PERIOD (Unit to Dec, 2022. BWP)

**b) CIVIL WORK  
MARKET RATES SCHEDULE**

1. Pacca brick work in ground floor:-

a) cement, sand mortar:-

Ratio 1:4

partition bath

"

partition bath

"

3 x 1 x 4.25 x 0.375 x 7	=	33	Cft
1 x 1 x 16.625 x 0.375 x 7	=	44	"
4 x 1 x 5.25 x 0.375 x 7	=	55	"
1 x 1 x 13.5 x 0.375 x 7	=	35	"

Total:- = 167 Cft  
@ 32,585.80 /%Cft = Rs. 54,418 /-

b) Ratio 1:5

Parapet Long side

Short side

Toilet

1 x 2 x 125.5 x 0.75 x 1.25	=	235	Cft
1 x 2 x 125.5 x 1.125 x 0.25	=	71	"
1 x 2 x 57.75 x 0.75 x 1.25	=	108	"
1 x 2 x 57.75 x 1.125 x 0.25	=	32	"
1 x 2 x 16.625 x 0.75 x 1.25	=	31	"
1 x 2 x 16.625 x 1.125 x 0.25	=	9	"

Total:- = 486 Cft  
@ 31,630.60 /%Cft = Rs. 153,725 /-

2. 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 Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)

Main building

T block

1 x 1 x 124 x 57.75	=	7,161	Sft
1 x 1 x 18.125 x 15.5	=	281	"

Deductions

1 x 24 x 2 x 2	=	96	Sft
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Total:- = 7,442 Sft

Net Total

( 7,442 - 96 )	=	7,346	Sft
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Total:- = 7,346 Sft  
@ 12,112.95 /%Sft = Rs. 889,817 /-

3. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position, complete in all respect.

1-1/2" thick

take same qty as above item

1 x 1 x 7,442	=	7,442	Sft
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Total:- = 7,442 Sft  
@ 9,462.20 /%Sft = Rs. 704,177 /-

4. Khurras on roof 2'x2'x6" (600 x 600 x 150mm),

1 x 24

No.

Total:- = 24 Nos  
@ 865.75 / Each = Rs. 20,778 /-

5. Bottom Khurras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.

1 x 24

No.

Total:- = 24 Nos  
@ 1,763.10 / Each = Rs. 42,314 /-

6. Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height, Ratio 1:3

1 x 4 x 25	=	1,800	Sft
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Total:- = 1,800 Sft  
@ 3,762.55 /%Sft = Rs. 67,726 /-



**AMENDED / REVISED ROUGH COST ESTIMATE FOR THE SCHEME "REVENMPING OF TEHSIL HEADQUARTER HOSPITAL AT TEHSIL AHMED PUR EAST, DISTRICT BAHAWALPUR."**

**REVENMPING OF INDOOR BLOCK (GYENE)**

**C. GENERAL ABSTRACT OF COST GYENE BLOCK**

**b. CIVIL WORK MARKET RATES SCHEDULE**  
 MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

1. Pucca brick work in ground floor:- cement, sand mortar:- Ratio 1:4	3 x 1 x 4.25 x 0.575 x 7 = 1 x 1 x 16.625 x 0.375 x 7 = 4 x 1 x 5.25 x 0.375 x 7 = 1 x 1 x 13.5 x 0.575 x 7 =	33 Cft 44 55 35	<b>Total:-</b> @ 32,585.80 /%Cft = Rs. 54,418 /-
a) partition bath " " partition bath " "	1 x 2 x 125.5 x 0.75 x 1.25 1 x 2 x 125.5 x 1.125 x 0.25 1 x 2 x 57.75 x 0.75 x 1.25 1 x 2 x 57.75 x 1.125 x 0.25 1 x 2 x 16.625 x 0.75 x 1.25 1 x 2 x 16.625 x 1.125 x 0.25	235 Cft 71 108 32 31 9	<b>Total:-</b> @ 31,630.60 /%Cft = Rs. 153,725 /-
b) Ratio 1:5 Farapet Long side Short side Toilet Main building T block	1 x 1 x 124 x 57.75 1 x 1 x 18.125 x 15.5	7,161 Sft 281	<b>Total:-</b> @ 31,630.60 /%Cft = Rs. 153,725 /-
2. 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 F-g/Sq.m bitumen coating sand blinded. i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	1 x 1 x 124 x 57.75 1 x 1 x 18.125 x 15.5	7,161 Sft 281	<b>Total:-</b> @ 31,630.60 /%Cft = Rs. 153,725 /-
3. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation /Foam Board on roof or walls, Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position, complete in all respect.	1 x 24 x 2 x 2 ( 7,442 - 96 )	7,442 Sft 96 Sft	<b>Total:-</b> @ 12,112.95 /%Sft = Rs. 889,817 /-
4. Khurras on roof 2'x2'x6" (600 x 600 x 150mm).	1 x 1 x 7,442	7,442 Sft	<b>Total:-</b> @ 9,462.20 /%Sft = Rs. 704,177 /-
5. Bottom Khurras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	1 x 24	24 Nos.	<b>Total:-</b> @ 865.75 /Each = Rs. 20,778 /-
6. Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.	1 x 4 x 25 x 18	1,800 Sft	<b>Total:-</b> @ 3,762.55 /%Sft = Rs. 67,726 /-

7. Cement plaster 1:4 upto 20' (6.00 m) height:-

½" (13 mm) thick								
Parapet Long side	1	x	2	x	125.5	x	3.25	= 816 Sft
Short side	1	x	2	x	57.75	x	3.25	= 375 "
Toilet	1	x	2	x	16.625	x	3.25	= 108 "
partition bath	3	x	2	x	4.25	x	7	= 179 "
"	1	x	2	x	16.625	x	7	= 233 "
partition bath	4	x	2	x	5.25	x	7	= 294 "
"	1	x	2	x	13.5	x	7	= 189 "
<b>Total:-</b>	<b>=</b>							<b>2,194 Sft</b>
	<b>@</b>							<b>3,285.45 / %Sft = Rs. 72,083 /-</b>

8. Cement plaster 1:5 upto 20' (6.00 m) height:-

½" (13 mm) thick								
	2	x	6	x	12	x	9	= 1,296 Sft
	2	x	2	x	16	x	11	= 704 "
<b>Total:-</b>	<b>=</b>							<b>2,000 Sft</b>
	<b>@</b>							<b>3,135.90 / %Sft = Rs. 62,718 /-</b>

9. Cement pointing struck joints, on walls, upto 20' (6.00 m) height:-

a) Ratio 1:2								
Long side	1	x	2	x	125.5	x	1.25	= 314 Sft
Short side	1	x	2	x	57.75	x	1.25	= 144 "
Toilet	1	x	2	x	16.625	x	1.25	= 42 "
<b>Total:-</b>	<b>=</b>							<b>500 Sft</b>
	<b>@</b>							<b>3,573.20 / %Sft = Rs. 17,866 /-</b>

10. Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.

Take same qty as above item	1	x	1	x	500	=	500 Sft
<b>Total:-</b>	<b>=</b>						<b>500 Sft</b>
	<b>@</b>						<b>669.00 / %Sft = Rs. 3,345 /-</b>

11. Providing, laying, cutting; jointing, testing and disinfecting PVC pipe with B Class working pressure pipe, in trenches, complete in all respects:-

4" i/d (100 mm)	1	x	24	x	14	=	336 Rft
<b>Total:-</b>	<b>=</b>						<b>336 Rft</b>
	<b>@</b>						<b>440.95 / Rft = Rs. 148,159 /-</b>

12. Providing and installing PVC bends, of B.S.S.

4" i/d (100 mm)	24	x	2	=	48 Nos.
<b>Total:-</b>	<b>=</b>				<b>48 Nos</b>
	<b>@</b>				<b>516.30 / NO. = Rs. 24,780.80</b>

13. 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" x 1½") 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 as required as approved by the engineer in-charge. 1.6 mm thick

Ward	1	x	3	x	4	x	8.5	= 102 Sft
Partitions	1	x	1	x	7	x	8.5	= 60
Partition-Ward	1	x	1	x	29.5	x	8.5	= 231
	1	x	17	x	3.5	x	8.5	= 506
	1	x	6	x	3	x	8.5	= 153
Main Ent Door	1	x	4	x	7	x	8.5	= 238
<b>Total:-</b>	<b>=</b>							<b>1,441.20 Sft</b>
	<b>@</b>							<b>1,441.20 / Sft = Rs. 1,887,972 /-</b>

14. Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4" x ¾") and leaf frame sections of 50 x 20 mm (2" x ¾"), 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.

<b>Total:-</b>	<b>=</b>							<b>1,441.20 Sft</b>
	<b>@</b>							<b>1,441.20 / Sft = Rs. 1,887,972 /-</b>

Windows	Qty	Size	Rate	Total	Unit
Windows Ver.	1 x 6	6.5	8.5	332	Sft
Windows Ver.	1 x 13	6.5	8.5	718	"
"	1 x 4	3	8.5	102	"
Windows Ver.	1 x 12	6.5	8.5	663	"
"	1 x 4	3	8.5	102	"
Window	1 x 4	4	6	96	"
Window	1 x 6	3	6	108	"
Window	1 x 6	6	6	216	"
C.Window	1 x 10	4	2	80	"
<b>Total:-</b>				<b>2,417</b>	<b>Sft</b>
				<b>@</b>	<b>1,353.75 / Sft = Rs.</b>

15. Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownize Colour / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

Take qty of item 10 (Alm window) 1 x 1 ( 1 / 2 ) 2417 = ~~1210~~ <sup>1209</sup> Sft

Total:- = ~~1209~~ <sup>1209</sup> Sft / Sft = Rs. 494.50

597807 / 598.345

16. 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" x 1/8" i/c the cost of 1-1/4" x 1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.

i) 3/8" Squar Bars take same qty as above item

1 x 1 x 2,417

Total:- = 2,417 Sft / Sft = Rs. 863.90

2,088,046 /-

17. 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" x 1/8" i/c 6" long M.S. Flat 1" x 1/8" holdfasts (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 holdfast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge.

i) 15" wide  
  
 1 x 3 x 29.5  
 2 x 4 x 3.5  
 2 x 6 x 3

Total:- = 1156 Sft / Sft = Rs. 731.75

845903 / 64.467 /-

ii) 10.50" wide

1 x 2 x 3

Total:- = 42 Sft / Sft = Rs. 626.40

iii) 5.5" wide

1 x 12 x 2.5

Total:- = 210 Sft / Sft = Rs. 434.50

91,245 /-

18. P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, toggle bolt, handles, glue, sawing charges and lacquer polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

Doors B/S 1072

1 x 3 x 4  
 1 x 1 x 3

Total:- = 84 Sft / Sft = Rs. 21

Total:- = 1177 Sft / Sft = Rs. 685.75

807128 / 72,004 /-

19. Providing and fixing collapsible gate made of 2" x 2" x 1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 2/4" x 1/4" x 1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3" x 3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 1" (300 mm) long of 2/4" x 1/4" x 1/8" (20x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

1 x 1 x 8 x 8.5 = 68 Sft

Total:- = 68 Sft  
 @ 1,614.60 / Sft = Rs. 109,793 /-

20. Painting new surfaces:-  
 Preparing surface and painting of doors and windows any type (including edges):- three coats:-  
 priming coat & each subsequent coat of paint.  
 take 2 times qty of above item

1 x 2 x 165 = 330 Sft  
 1 x 2 x 1170 = 2340 Sft  
 Total:- = 2670 Sft  
 @ 2,770.70 / %Sft = Rs. 7,407,768 /-

21. Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

1 x 30 = 30 Nos.  
 Total:- = 30 Nos  
 @ 2,939.00 / Each = Rs. 88,170 /-

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

Parapet Long side 1 x 2 x 125.5 = 251 Sft  
 Short side 1 x 2 x 57.75 = 115.5 Sft  
 Toilet 1 x 2 x 16.625 = 33.25 Sft  
 Total:- = 400 Sft

a. New surface:- two coats :-  
 Take Qty as per item (-----)

Total:- = 750 Sft  
 @ 5,292.95 / %Sft = Rs. 3,969,187 /-

Weather shield measurements for old surface.

Parapet Long side 1 x 2 x 125.5 = 251 Sft  
 Short side 1 x 2 x 57.75 = 115.5 Sft  
 Toilet 1 x 2 x 16.625 = 33.25 Sft  
 Total:- = 400 Sft

Deductions

Windows Ver. 1 x 6 x 6.5 = 39 Sft  
 Windows Ver. 1 x 13 x 6.5 = 84.5 Sft  
 Windows Ver. 1 x 12 x 6.5 = 78 Sft  
 " 1 x 4 x 3 = 12 Sft  
 Door 1 x 2 x 3.5 = 7 Sft  
 " 1 x 1 x 3 = 3 Sft  
 C.Window 1 x 10 x 4 = 40 Sft  
 Total:- = 263.5 Sft

Net Total ( 5,397 - 1,965 ) = 3,432 Sft  
 b. 60% Old surface:- two coats:- After scraping old weather shield.  
 ( 60% x 3,432 ) = 2,059 Sft

c. 40% Old surface:- one coat:- Without scraping old weather shield  
 ( 40% x 3,432 ) = 1,373 Sft

23. Preparing surface and painting with emulsion paint:-

Corridor toilet block 1 x 2 x ( 57.75 + 7 ) = 122.5 Sft  
 Ward 1 x 2 x ( 26 + 25.5 ) = 101 Sft  
 Room 2 x 2 x 12.5 = 50 Sft  
 Pantry 1 x 2 x ( 12.5 + 7 ) = 32 Sft  
 Edhi Centre 1 x 2 x ( 8 + 10 ) = 36 Sft  
 Store/Office 2 x 2 x ( 15.5 + 10 ) = 51 Sft  
 Corridor 2 x 2 x ( 117 + 7 ) = 488 Sft  
 Toilet 1 x 2 x ( 5.75 + 11 ) = 33.5 Sft  
 " 1 x 2 x ( 5.75 + 5.5 ) = 22 Sft  
 Toilet 1 x 2 x ( 7.75 + 5.625 ) = 26.6875 Sft  
 Toilet Blc. 1 x 2 x ( 16.625 + 15.5 ) = 64.75 Sft  
 Total:- = 1,373 Sft

Deductions

doors 1 x 9 x 3.5 = 31.5 Sft  
 1 x 3 x 4 = 12 Sft  
 Total:- = 43.5 Sft

1 x 6 x 3 x 3.5 = 63 "

Net Total	( 9,550 - 215 )	=	215	Sft
Total:-		=	11783	Sft
		=	9335	Sft
Total:-	@ 2,065.65 / %Sft	=	11783	Sft
			192,828	Rs.
			2483961	Rs.

a. old surface- two coats :-  
take 100 % old surface for painting

24. Providing and fixing wooden box type wardrobe 22" (550 mm) deep including 3/4" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint:-  
Deodar wood boxing, and deodar wood shelves and leaves, etc.

1 x 1 x 9		=	36	Sft
Total:- @ 2,557.85 / Sft = Rs. 92,083 /-				

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

Corridore toilet block					51	Cft
Gyne Ward/Labour					66	"
Toilet					8	"
"					4	"
Ward					83	"
Room					38	"
Toilet					5	"
Nursing Station					19	"
Pantry					11	"
Gen. Ward (F)					99	"
Ward					147	"
Edhi Centre					10	"
Store/Office					39	"
Corridore					205	"
Toilet Block					32	"
Door					4	"
"					3	"
Total:- @ 38,219.00 / %CA = Rs. 314,925 /-						

26. 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 al l respect as approved and directed by the Engineer In-charge.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Corridore toilet block					404	Sft
Gyne Ward/Labour					528	"
Ward					663	"
Room					306	"
Nursing Station					156	"
Pantry					88	"
Gen. Ward (F)					795	"
Ward					1,173	"
Edhi Centre					80	"
Store/Office					310	"
Corridore					1,638	"
Door					35	"
"					14	"
"					20	"
Toilet					63	"
"					32	"
Toilet					44	"
Toilet Block					258	"
Total:- @ 341.90 / Sft = Rs. 2,258,933 /-						

27. 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.

a) Full body Glazed tiles  
ii) 600mmx 600 mm

Description	Quantity	Rate	Amount	Unit
Ground Floor				
Corridore toilet block	1 x 2 x 7	57.75		Sft
Gyne Ward/Labour Ward	2 x 2 x 16.5	16		"
Room	1 x 2 x 25.5	26		"
Nursing Station	2 x 2 x 12.25	12.5		"
Pantry	1 x 2 x 14.5	10.75		"
Gen. Ward (F) Ward	1 x 2 x 7	12.5		"
Edhi Centre	1 x 2 x 20	39.75		"
Store/Office	1 x 2 x 29.5	39.75		"
Corridore	2 x 2 x 10	8		"
Toilet	2 x 2 x 7	11.7		"
"	2 x 2 x 11	5.75		"
Toilet	2 x 2 x 5.5	5.75		"
"	2 x 2 x 5.625	7.75		"
Toilet Block	2 x 2 x 15.5	16.625		"
"	1 x 8 x 0	4.25		"
"	1 x 10 x 0	5.25		"
<b>Total:-</b>			<b>8,437</b>	<b>Sft</b>

Description	Quantity	Rate	Amount	Unit
Doors Ver	1 x 5 x 8			Sft
Ver	1 x 2 x 10			"
corridor toilet block	1 x 4 x 7			"
"	1 x 12 x 2.5			"
"	1 x 1 x 3			"
<b>Total:-</b>			<b>583</b>	<b>Sft</b>
<b>Net Total</b>		<b>( 8,437 - 583 )</b>	<b>7,854</b>	<b>Sft</b>
			<b>@ 341.90</b>	<b>/Sft = Rs. 2,685,283 /-</b>

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

Description	Quantity	Rate	Amount	Unit
Windows Ver.	1 x 6 x 6.5	11.25		Sft
Windows Ver.	1 x 13 x 6.5	11.25		"
"	1 x 4 x 3	11.25		"
Windows Ver.	1 x 12 x 6.5	11.25		"
"	1 x 4 x 3	11.25		"
Window	1 x 4 x 4	11.25		"
Window	1 x 6 x 3	11.25		"
Window	1 x 6 x 6	11.25		"
<b>Total:-</b>			<b>484.60</b>	<b>Sft</b>
			<b>@ 1,310.70</b>	<b>/Sft = Rs. 634,379 /-</b>

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

Description	Quantity	Rate	Amount	Unit
Nursing	2 x 2 x 8			Sft
<b>Total:-</b>			<b>128</b>	<b>Sft</b>
			<b>@ 1,184.70</b>	<b>/Sft = Rs. 151,642 /-</b>

30. 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.

Description	Quantity	Rate	Amount	Unit
(Non-Skid Chequered Tiles) 300mmx300mm Ramp	1 x 2 x 20	5.5		Sft
"	1 x 1 x 10	5		"
<b>Total:-</b>			<b>270</b>	<b>Sft</b>
			<b>@ 212.95</b>	<b>/Sft = Rs. 57,497 /-</b>

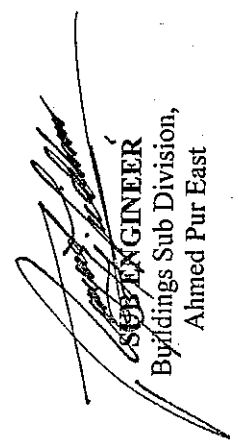
31. Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2' / 2'x3' / 3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1/4" x 1" and 1/2" x 1" both at 4' c/c (made of Taiwan CKM or equivalent), hanging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

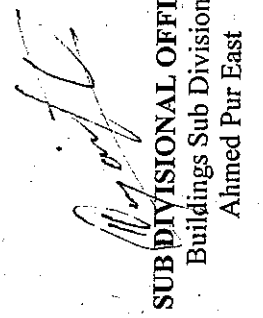
iv) 12 mm thick					
Corridor toilet block	1	x	1	x	404
Gyne Ward/Labour	1	x	2	x	528
Toilet	1	x	1	x	63
"	1	x	1	x	32
Ward	1	x	1	x	663
Room	1	x	2	x	300
Toilet	1	x	1	x	44
Nursing Station	1	x	1	x	156
Pantry	1	x	1	x	88
Gen. Ward (E)	1	x	1	x	795
Corridor	1	x	2	x	1,638
Toilet Block	1	x	1	x	238

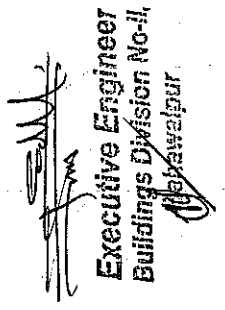
Total:- = 2047.3075 Sft / Sft = Rs. 100.30

Total (b) = Rs. 17446.640

204883  
498393  
47487157  
17383364

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
Executive Engineer  
Buildings Division No-II,  
Bakawalpur

**CIVIL WORK**  
**NON-SCHEDULED**

**NON-SCHEDULED ITEMS**

Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

lum sum	1 x 80 x 6	=	480	Rft
<b>Total:-</b>				<b>Rft</b>
		@	850.00	/ Rft = Rs. 408,000 /-

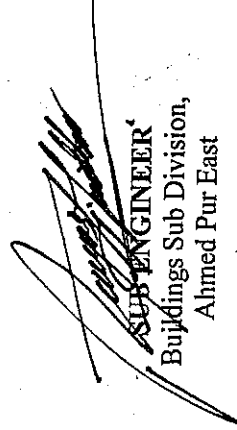
2. Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides 1/2 the cost of hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

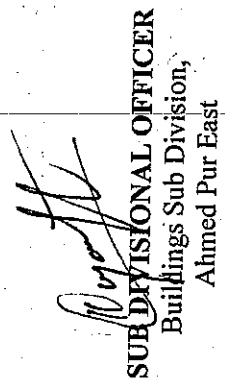
Toilet	1 x 12 x 2.5	x	7	=	210	Sft
Dis toilet	1 x 1 x 3	x	7	=	21	"
Toilet	1 x 1 x 3	x	7	=	21	"

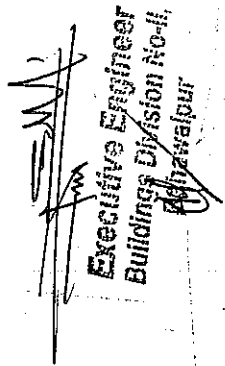
**Total:-** = 252 Sft  
@ 728.00 / Sft = Rs. 183,456 /-

3. Providing and fixing stainless steel clading for colomns, complete in all respects as approved and directed by the Engineer Incharge.

	8 x 4 x 8	=	256	Rft
<b>Total:-</b>				<b>Rft</b>
		@	1,596.00	/ Rft = Rs. 408,576 /-
<b>Total (c)</b>				<b>= Rs. 1,000,032 /-</b>

  
**SUB ENGINEER**  
Buildings Sub Division,  
Ahmed Pur East

  
**SUB DIVISIONAL OFFICER**  
Buildings Sub Division,  
Ahmed Pur East

  
**Executive Engineer**  
Buildings Division No-II,  
Ajawalpur



**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING & PUMPING CHAMBER**

RATES ARE BASED ON:

MRS, BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

**GENERAL ABSTRACT OF COST (Turbine & Chamber)**

A. <u>TUBEWELL BORING &amp; LOWERING 335'</u>	Rs. =	3,093,653 /-
B. <u>TURBINE CHAMBER 12'X12' SIZE</u>	Rs. =	1,195,575 /-
C. <u>TURBINE CHAMBER ELECTRICAL INSTALLATION</u>	Rs. =	251,132 /-
D. <u>PUMPING MACHINE 0.25 CUSEC</u>	Rs. =	2,180,000 /- <i>2289000/-</i>
E. <u>FOUNDATION OF MACHINE</u>	Rs. =	35,098 /-
F. <u>WATER SUPPLY LINE TO HOSPITAL FROM OHR</u>	Rs. =	1,843,556 /-

TOTAL OF A to E Rs. = ~~8,599,014~~ *8708014*

Add 3% Contingencies TOTAL Rs. = ~~8,859,014~~ *8708014*

GRAND TOTAL Rs. = ~~8,856,984~~ *8969254*

SAY

Rs. = ~~8,857,000~~ *8969300*

*[Signature]*  
**SUB ENGINEER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**SUB DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**Executive Engineer**  
 Buildings Division No-II,  
 Mathawair

**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING & PUMPING CHAMBER**

**A. TUBE WELL BORE.**

1. Direct Rotary/Reverse Rotary drilling of bore for tubewells, in all types of soil except shingle, gravel and rocks:-

from ground level to 250 ft. (75 m) below ground level:-  
15" to 18" (375 to 450 mm) i/d

250 ft  
1 x 1 x 250 Rft

Total:-  
= 250 Rft  
@ 775.15 /Rft = Rs. 193,788 /-

exceeding 250 ft. (75 m) depth below ground level:-  
15" to 18" (375 to 450 mm) i/d

85 ft  
1 x 1 x 85 Rft

Total:-  
= 85 Rft  
@ 775.15 /Rft = Rs. 65,888 /-

2. Providing strong substantially built box of deodar wood 4'x2½'x9" (1200x750x225 mm), with compartments, lock compland locking arrangement, for preserving samples of strata from bore hole.

1 x 1 = 1 Job

Total:-  
= 1 Job  
@ 33,509.00 /Job = Rs. 33,509 /-

3. Furnishing sample of water from bore hole.

1 x 4 = 4 Set

Total:-  
= 4 Sets  
@ 183.95 /set, 2 bils = Rs. 736 /-

4. Testing of strata and water samples from PHE Department laboratory complete with all charges.

1 x 4 = 4 Nos.

Total:-  
= 4 Nos.  
@ 0.00 /Each = Rs. 0 /-

5. Providing and installing M.S. Bail plug in tubewell bore hole:  
10" i/d, 2 ft. (250 mm i/d 600 mm) long

1 x 1 = 1 No.

Total:-  
= 1 Nos.  
@ 6,661.95 /Each = Rs. 6,662 /-

6. Providing and installing, brass strainer in tubewell bore hole, including sockets, special sockets, studs, etc. complete:-

10" i/d, ¼" (250 mm i/d 6 mm) thick

1 x 1 x 100 Rft

Total:-  
= 100 Rft  
@ 12,628.50 /Rft = Rs. 1,262,850 /-

7. Providing and installing M.S. blind pipe socketted/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc. complete:-

10" i/d, ¼" (250 mm i/d 6 mm) thick

Below Ground Level  
1 x 1 x 85 Rft

Total:-  
= 85 Rft  
@ 4,014.00 /Rft = Rs. 341,190 /-

12" i/d, ¼" (300 mm i/d 6 mm) thick

Below Ground Level  
1 x 1 x 150 Rft

Above Ground Level  
1 x 1 x 5 "

Total:-  
= 155 Rft  
@ 4,729.95 /Rft = Rs. 733,142 /-

8. Shirouding with graded pea gravel 3/8" to 1/8" (10 to 3 mm), around tubewell in bore hole.

π4 d² X L (OUTER VOLUME)

1 x 1 x 0.7854 x 1.5 x 335 = 789 Cft

π4 d² X L (INNER VOLUME)

1 x 1 x 0.7854 x 1.04 x 335 = 547 Cft

Total:-  
= 547 Cft

Net Total

( 789 - 547 )  
9. Testing and developing of tubewell of size 6" (150 mm) i/d and above continuously, upto 1.5 cs. Discharge testing for 48 hours  
1 x 48

= 242 Cft  
@ 152.55 / Rft = Rs.

36,917

= 48 Hrs

Total:-  
@ 2,828.55 / Hour = Rs.

135,770

10. Providings, laying, cutting, jointing, testing and disinfecting G.I. pipe line in trenches, with flanged joints, using G.I. pipe of B.S.S. 1387-1967 complete in all respects, including specials and valves:-  
4" i/d (100 mm)  
Below Ground Level  
1 x 1 x 100

= 100 Rft

Total:-  
@ 1,945.00 / Rft = Rs.

194,500 /-

11. Providing and fixing in position M.S. suspension clamps in P.C.C. 1:2:4 for 12" dia pipe i/c all cost of labour and material etc. complete in all respect.  
1 x 1

= 1 No.

Total:-  
@ 0.00 / No. = Rs.

0 /-

12. Providing and fixing M.S. well cap for tubewell 12" dia i/c locking arrangements  
1 x 1

= 1 No.

Total:-  
@ 0.00 / No. = Rs.

0 /-

13. Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-  
4" i/d (100 mm)  
1 x 2

= 2 Nos.

Total:-  
@ 18,404.75 / Each. = Rs.

36,810 /-

14. Providing and fixing, air valve 2 1/2 (65mm) dia of B.S.S. quality and weight (complete with jointing material).  
double  
1 x 1

= 1 No.

Total:-  
@ 11,461.15 / Each. = Rs.

11,461 /-

15. Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) i/c the cost of all accessories flanges, nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge.  
Flange Ended Ductile Iron Valve  
4" dia  
1 x 1

= 1 No.


Total:-  
@ 40,430.40 / Each. = Rs.


40,430 /-


Cost of 1 No. Tubewell Bore =

Total (b) = Rs. 3,093,653 /-

= Rs. 3,093,653 /-

  
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**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING & PUMPING CHAMBER**

**B. PUMP HOUSE 12'X12' FOR TURBINE MACHINE**

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

(By Manual) in ordinary soil.

c/c length is 52.5 ft

1	X	1	X	52.5	X	3	X	2	=	315	Cft
---	---	---	---	------	---	---	---	---	---	-----	-----

Total:- = 315 Cft  
@ 10,712.60 /%Cft = Rs. 3,374 /-

2. Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-

Ratio 1: 6:12  
c/c length is 52.5 ft

1	X	1	X	52.5	X	3	X	0.5	=	79	Cft
---	---	---	---	------	---	---	---	-----	---	----	-----

Total:- = 79 Cft  
@ 21,099.80 /%Cft = Rs. 16,669 /-

3. Pacer brick work in foundation and plinth in:-  
Cement, sand mortar:-

Ratio 1:5

c/c length is 52.5 ft

2nd step

3rd step

4th step upto lower D.P.C

5th step upto top D.P.C

Toe wall

Steps

1	X	1	X	52.5	X	2.25	X	0.5	=	59	Cft
1	X	1	X	52.5	X	1.875	X	1	=	98	"
1	X	1	X	52.5	X	1.5	X	5	=	394	"
1	X	1	X	52.5	X	1.125	X	2	=	118	"
1	X	1	X	52.5	X	1.125	X	1	=	59	"
1	X	1	X	19.5	X	1.125	X	0.5	=	11	"
1	X	1	X	19.5	X	0.75	X	2	=	29	"
1	X	1	X	5	X	1	X	0.625	=	3	"

Total:- = 771 Cft  
@ 29,415.60 /%Cft = Rs. 226,794 /-

4. Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating :-

with one coat bitumen and one coat polythene sheet 500 gauge.

1 1/2" thick (40 mm)

LOWER D.P.C

c/c length is 52.5 ft

UPPER D.P.C

c/c length is 52.5 ft

1 X 1 X 52.5 X 1.125

1 X 1 X 52.5 X 1.125

Door

1 X 1 X 4 X 1.125

Total:- = 118 Sft  
5 Sft

Total:- = 113 Sft  
5 Sft

Net Total ( 118 + 5 ) = 123 Sft  
@ 8,664.75 /%Sft = Rs. 9,791 /-

5. Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:-  
with one coat bitumen and one coat polythene sheet 500 gauge.

Ratio 1:3

3/4" thick (20 mm)

1	X	2	X	12	X	12	X	1.25	=	60	Sft
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Total:- = 60 Sft  
@ 6,264.20 /%Sft = Rs. 3,759 /-

6. Filling, watering and ramming earth under floors:-

i) with surplus earth from foundation, etc:-

excavation

1	X	1	(	2	/	3	)	315	=	210	Cft
---	---	---	---	---	---	---	---	-----	---	-----	-----

Total:- = 210 Cft  
@ 5,107.85 /%Cft = Rs. 1,073 /-

ii) with new earth from out side lead upto 01 miles

Machine Room

Toe wall 66' c/c

1	X	1	X	12	X	12	X	8.167	=	1,176	Cft
1	X	1	X	66	X	2.25	X	2.5	=	371	"

Total:- = 1,547 Cft  
Deductions 210 Cft

Surplus earth from foundation

1 X 1 X 210

Net Total ( 1,547 - 210 ) = 210 Cft  
 @ 16,014.50 /%Cft = Rs. 21,411 /-

7. Pucca brick work in ground floor:-  
 cement, sand mortar:-

a) Ratio 1:4  
 c/c length is 52.5 ft of parapit  
 1 x 1 x 52.5 x 0.75 x 1 = 39 Cft  
 Total:- = 210 Cft  
 @ 32,585.80 /%Cft = Rs. 12,708 /-

b) Ratio 1:5  
 c/c length is 52.5 ft

1 x 1 x 52.5 x 1.125 x 13 = 768 Cft  
 Total:- = 768 Cft  
 @ 31,630.60 /%Cft = Rs. 214,772 /-

**Deductions**

door windows 1 x 1 x 4 x 1.125 x 7 = 32 Cft  
 Lintels 1 x 2 x 4 x 1.125 x 5 = 45 Cft  
 L-1 Doors 4' 1 x 1 x 5 x 1.125 x 0.5 = 3 Cft  
 L-2 Win 4' 1 x 2 x 5.5 x 1.125 x 0.75 = 9 Cft  
 Total:- = 89 Cft  
 @ 31,630.60 /%Cft = Rs. 2,824 /-

**Net Total**

( 768 - 89 ) = 59 Sft  
 @ 5,565.90 /%Sft = Rs. 3,284 /-

8. Cement plaster 1:3 upto 20' (6.00 m) height:- 1/2" (13 mm) thick:- i/c Bitumen coating to plastered or cement concrete surface:- 14 lbs. per 100 Sft. (6.35 Kg per Sq.m):- i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.-: 500 gauge (.005" thick)  
 c/c length is 52.5 ft  
 1 x 1 x 52.5 x 1.125 = 59 Sft

Total:- = 59 Sft  
 @ 5,565.90 /%Sft = Rs. 3,284 /-

9. 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)

Ground Floor  
 Roof slab 1 x 1 x 14.25 x 14.25 x 0.5 = 102 Cft  
 Shades 63' 1 x 1 x 63 x 1.5 x 0.4375 = 41 Cft  
 c/c length is 52.5 ft of parapit 1 x 1 x 52.5 x 0.75 x 0.5 = 20 Cft  
 extra for RS Joist Pillar on top 1 x 2 x 1.5 x 1.125 x 3 = 10 Cft  
 Lintels. 1 x 1 x 5 x 1.125 x 0.5 = 3 Cft  
 L-1 Doors 4' 1 x 2 x 5.5 x 1.125 x 0.75 = 9 Cft  
 Win Shades 1 x 2 x 5.5 x 1.5 x 0.23 = 4 Cft  
 Total:- = 189 Cft  
 @ 559.20 /Cft = Rs. 105,689 /-

10. 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 (Grate-40) 1 x 1 x ( 189 x 6.75 x 0.454 ) = 579 Kg  
 total of R.C.C  
 Total:- = 579 Kg  
 @ 31,460.05 /%Kg = Rs. 182,154 /-

11. Single layer of tiles 9" x 4 1/2" x 1 1/2" (225 x 113 x 40 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 3/4 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. i/c Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.-: 500 gauge (.005" thick)

1 x 1 x 12.75 x 12.75 = 163 Sft

Total:- = 163 Sft

**Deductions**

1 x 1 x 2 x 2 = 4 Sft

Khurra

Total:- = 4 Sft

**Net Total**

( 163 - 4 ) = 159 Sft  
 @ 121,129.95 /%Sft = Rs. 19,260

12. Khurras on roof 2' x 2' x 6" (600 x 600 x 150mm).

1 x 1 = 1 No.

Total:-  
= 865.75 / Each = Rs. 866 /-

13. 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)

1 x 1 x 16	16	RII	
Total:-		= 16	RII
@	440.95	/RII = Rs.	7,055 /-

14. Cement plaster 1/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height Ratio 1:3

Machine room	1 x 1 x 12	x	12		
Wind shade	1 x 2 x 5.5	x	1.75		144
Shades 63'	1 x 1 x 63	x	1.75		19
					110

Total:-  
= 273

@ 3,762.55 /%SI = Rs. 10,272 /-

15. Cement plaster 1:4 upto 20' (6.00 m) height:-  
1/2" (13 mm) thick

Machine Room	1 x 2 x 12	+	12	x	12.5		
Perapit inside	1 x 2 x 12.75	+	12.75	x	1		600
Perapit top	1 x 2 x 14.25	x	0.75				51
	1 x 2 x 12.75	x	0.75				21
							19

Total:-  
= 691

@ 3,285.45 /%SI = Rs. 22,702 /-

16. Supply and filling sand under floor and plugging in wells.

Machine room	1 x 1 x 12	x	12	x	0.33		
Toe well 66' c/c	1 x 1 x 66	x	2.25	x	0.25		48
							37

Total:-  
= 85

@ 2,824.60 /%CI = Rs. 2,401 /-

17. Providing, laying, watering and ramming brick ballast 1 1/2 to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

Machine room	1 x 1 x 12	x	12	x	0.33		
Toe wa.l 66' c/c	1 x 1 x 66	x	2.25	x	0.25		48
							37

Total:-  
= 85

@ 9,297.20 /%CI = Rs. 7,903 /-

18. Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1 1/2" x 3/8" (40 x 10 mm)

Machine room	2 x 5 x 12					120	RII
Plinth protection	1 x 6 x 3					72	"
	1 x 4 x 4.75					19	"

Total:-  
= 211

@ 19.80 /RII = Rs. 4,178 /-

19. 1 1/2" (40 mm) thick mosaic flooring, consisting of 1/2" (13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :-  
Using Gray cement

Machine room	1 x 1 x 12	x	12			144	SI
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Total:-  
= 144

@ 19,986.96 /%SI = Rs. 28,781 /-

20. 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 1/2" (13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing:-  
Using gray cement

Machine room	1 x 2 x 12	+	12	x	0.5		24
Steps	1 x 1 x 5			x	1		5
	1 x 1 x 5	x	1				5

Total:-  
= 34

@ 21,437.00 /%SI = Rs. 7,350 /-

Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:-  
 1 1/2" thick  
 Toe wall 56' c/c

1 x 1 x 66 x 3	=	198	Sft
Total:-		198	Sft
@	7,093.55	/%	Sft = Rs.

14,045 /-

22. Cement pointing structural joints, on walls, upto 20' (6.00 m) height:-

Ratio 1:2

Machine room o/s	1 x 2 x 14.25	=	14.25	x	13	=	741	Sft
Machine room below DPC	1 x 2 x 14.25	=	14.25	x	1	=	57	"
Perapit	1 x 2 x 14.25	=	14.25	x	1	=	57	"
Toe wall 81' c/c	1 x 1 x 81	=	81	x	2	=	162	"

Total:-	=	1,017	Sft
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Deductions

Door	1 x 1 x 4	=	4	x	7	=	28	Sft
Windows	1 x 2 x 4	=	8	x	5	=	40	"
lintels	1 x 1 x 5	=	5	x	0.5	=	3	"
	1 x 2 x 5.5	=	11	x	0.75	=	8	"

Total:-	=	79	Sft
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Net Total

( 1,017 - 79 )	=	938	Sft
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33,517 /-

23. 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:

same as c/painting

1 x 1 x 938	=	938	Sft
-------------	---	-----	-----

23a. new surface:- two coats :-

Total:-	=	938	Sft
---------	---	-----	-----

Total:-	=	938	Sft
---------	---	-----	-----

@	5,292.95	/%	Sft = Rs.
---	----------	----	-----------

49,648 /-

24. Distemperings:-

same qty as item w/soffit

1 x 1 x 273	=	273	Sft
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same qty as item c/p 1:4

1 x 1 x 691	=	691	"
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Total:-	=	964	Sft
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24a. new surface:- three coats :-

1 x 1 x 964	=	964	Sft
-------------	---	-----	-----

Total:-	=	964	Sft
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@	1,309.95	/%	Sft = Rs.
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12,628 /-

25. Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:-

M.S. angle iron 1 1/2" x 1/2" x 1/2" (40x40x6 mm) welded with M.S. flat 2" x 3/4" (50 mm x 6 mm)

1 x 1 x 4	=	4	Sft
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1 x 1 x 7	=	7	Sft
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Total:-	=	28	Sft
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@	405.20	/%	Sft = Rs.
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11,346 /-

26. P/F iron door comprising of specified leaves made of 1-1/4" x 1-1/4" x 3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge.

Double Leaf

1 x 1 x 4	=	4	Sft
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1 x 1 x 7	=	7	Sft
-----------	---	---	-----

Total:-	=	28	Sft
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@	1,397.05	/%	Sft = Rs.
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39,117 /-

27. Providing and fixing windows consisting of M.S. box section frame 2" x 1 1/2", (50x40mm) leaves frame 1 1/2" x 1" (40x25mm) box section frame for glazing 3/8" x 3/8" (10x10mm) using 16 SWG sheet 'U' shaped rubber supported with 1" x 1/8" (25x3mm) M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section 1/2" x 1/2" (13x13mm) of 16 SWG for fixing 24 SWG wire gauze on outer side by means of 1/2" x 1/8" (20x3mm) M.S. flat and screws including grill of M.S. flat 1/2" x 1/8" (13x3mm) or 1/4" x 1/4" (6x6mm) square bar with independent frame of 1/2" x 1/2" (13x13mm) box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.

Windows

1 x 2 x 4	=	8	Sft
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1 x 5	=	5	Sft
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Total:-	=	40	Sft
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@	1,611.10	/%	Sft = Rs.
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64,144 /-

Painting new surfaces:-

a. Preparing surface and painting of doors and windows any type (including edges):-

three coats:-  
Doors 1 x 2 x 4 x 7 = 56 Sft.

Total:-  
= 56 Sft  
@ 2,770.70 /%Sft = Rs. 1,552 /-

29. Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re-venting, handling, assembling and fixing, but excluding erection in position.

RS joist 8"x4" 5.5mm thick 1 x 1 x 90 = 90 Kg

Total:-  
= 90 Kg  
@ 32,582.60 /%Kg = Rs. 29,324 /-

30. Erection and fitting in position iron trusses, staging of water tanks, etc.  
take same qty as above item

1 x 1 x 90 = 90 Kg

Total:-  
= 90 Kg  
@ 1,307.85 /%Kg = Rs. 1,177 /-

31. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkahi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

(Ratio 1: 2: 4)

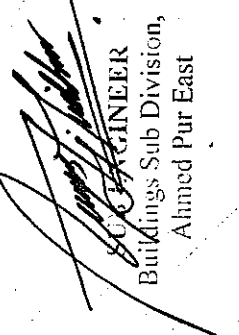
DPC 1 x 1 x 113 x 0.125 x 0.88 = 12 Cft  
Slab / Top pillars / Lintel 1 x 1 x 189 x 0.88 = 166 "  
2' thick mosaic 1 x 1 x 144 x 0.167 x 0.88 = 21 "  
1.5" thick topping 1 x 1 x 198 x 0.125 x 0.88 = 22 "

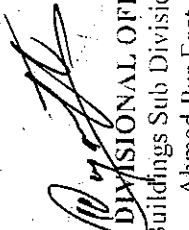
Total:-  
= 221 Cft  
@ 12,032.50 /%Cft = Rs. 26,502 /-

Total (c) = Rs. 1,195,575 /-

Cost of I.No. 12'x12' chamber = 1 x 1,195,575

= Rs. 1,195,575 /-

  
ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East



**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING &**

**PUMPING CHAMBER**

**C. PUMP HOUSE 12'X12' ELECTRICAL INSTALLATION**

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.

a) 3/4" Dia

1 x 1 x 85	=	85	RII
Total:-			
@	=	83.70	/RII = Rs.

7,115 /-

2. Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated:

a) 3/3.74 mm (3/0.029")

1 x 1 x 200	=	200	RII
-------------	---	-----	-----

Total:-	=	200	RII
@	=	25.15	/RII = Rs.

5,030 /-

b) 7/0.74 mm (7/0.029")

1 x 1 x 100	=	100	RII
-------------	---	-----	-----

Total:-	=	100	RII
@	=	40.25	/RII = Rs.

4,025 /-

3. Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):-

PVC sheathed 4 core, 660/1100 volt non armoured cable:-

a) 7/1.63 mm (7/0.064")

1 x 1 x 200	=	200	RII
-------------	---	-----	-----

Total:-	=	200	RII
@	=	643.55	/RII = Rs.

128,710 /-

4. Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.

a) 17.5 x 10 cm (9" x 4")

1 x 1	=	1	No.
-------	---	---	-----

Total:-	=	1	Nos.
@	=	489.30	/Each = Rs.

489 /-

b) 20 x 25 cm (8" x 10")

1 x 1	=	1	No.
-------	---	---	-----

Total:-	=	1	Nos.
@	=	698.25	/Each = Rs.

698 /-

5. Supply and erection of switches 5 Amp.

Piano type

1 x 5

Total:-	=	5	Nos.
@	=	73.30	/Each = Rs.

367 /-

6. Supply and erection of button holder.

i) bakelite large size

1 x 2

Total:-	=	2	Nos.
@	=	54.55	/Each = Rs.

109 /-

7. Supply and erection of 3 pin. 5 Amp wall socket.

1 x 1

Total:-	=	1	Nos.
@	=	91.50	/Each = Rs.

92 /-

8. Erection of ceiling fan alongwith regulator (all sizes), including carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary.

1 x 1

Total:-	=	1	Nos.
@	=	469.65	/RII = Rs.

470 /-

P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated/Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Natural & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Conduits Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).

a) 12" deep  
160-200A

1 x 1	=	1	No.
Total:- = 1 Nos.			
60	=	18,691.40	/ Each = Rs. 18,691 /-

10. Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / SIEMENS GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.

a) Single Pole  
6-63 Amp (10 KA)

1 x 2	=	2	No.
Total:- = 2 Nos.			
60	=	1,299.95	/ Each = Rs. 2,600 /-

11. 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/ ABB SWITZERL(with adjustable Thermal-Magnetic Trip ) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.

a) Trip/ple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%)  
25-100 Amp(25 KA)

1 x 1	=	1	No.
Total:- = 1 Nos.			
60	=	26,854.30	/ Each = Rs. 26,854 /-

b) Four Pole With Adjustable Thermal-Magnetic Trip/Electronic Trip (40-100%)  
80-160 Amp(25 KA)

1 x 1	=	1	No.
Total:- = 1 Nos.			
60	=	38,846.80	/ Each = Rs. 38,847 /-

12. Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.

1 x 1

=	1	Job
Total:- = 1 Job		
60	=	9,635.15 / Each = Rs. 9,635 /-

13. Providing and Fixing Ceiling Fan 56" sweep i/c regulator.

1 x 1

=	1	No.
Total:- = 1 Nos.		
60	=	6,200.00 / Each = Rs. 6,200 /-

14. Providing and Fixing L.E.D Lights.  
18 Watts

1 x 2

=	2	No.
Total:- = 2 Nos.		
60	=	600.00 / Each = Rs. 1,200 /-

Total (c) = Rs.	251,132 /-
= Rs.	251,132 /-

Cost of 1 No. 12'x12' chamber =

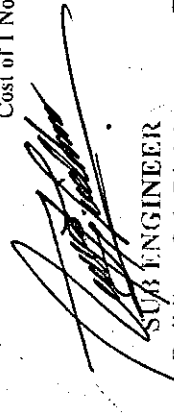
1 x

=

251,132

= Rs.

251,132 /-

  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING & PUMPING CHAMBER**

**D. ANALYSIS FOR PUMPING MACHINERY.**

**Machine Discription**

1. Supply, installation and testing of vertical turbine pumping unit (approved manufacturer) capable to give a discharge of 0.25 cusec of clear water against a total dynamic head of 235 feet with 70 feet column pipe directly coupled with vertical 15 BHP electric motor etc complete including all accessories of detail below.

1 x 1 = 1 Set

Total:- = 1 Set

**Accessories of Machine**

1. Provision of all accessories according to the Quotation

1 x 1 = 1 Job

Total:- = 1 Job

*Add 5%.*

@ 2,180,000.00 / Set = Rs. 2,180,000 /-

Total	(d)	=	Rs.	2,180,000.00	/-
		=	Rs.	<del>2,180,000</del>	<del>7-</del>

Cost of 1 no. Turbine 0.25 cusec = 1 x

2,180,000

*2289000*

*[Signature]*  
**SENIOR ENGINEER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**SUB DIVISIONAL OFFICER**  
 Buildings Sub Division,  
 Ahmed Pur East

*[Signature]*  
**Executive Engineer**  
 Buildings Division No-II,  
 Akhawalpur

**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING &**

**PUMPING CHAMBER**

**E. FOUNDATION OF MACHINE**

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

Ratio 1: 2: 4

1 x 1 x 6 x 5 x 2 = 72 Cft

Total = 72 Cft  
= Rs. 38,219.00 % Cft = Rs. 27,518 /-

2. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kantar lime (unstaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

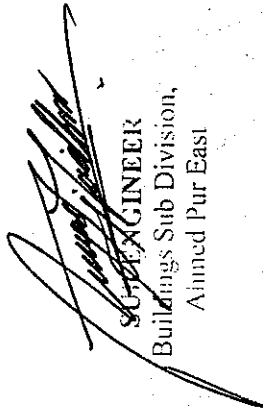
(Ratio 1: 2: 4)

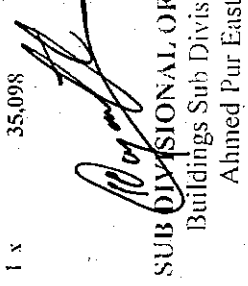
1 x 1 x 72 x 0.88 = 63 Cft

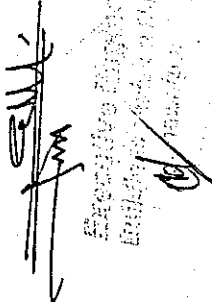
Total = 63 Cft  
= Rs. 12,032.50 % Cft = Rs. 7,580 /-

Total (e) = Rs. 35,098 /-

Cost of 1 No. Foundation. = 1 x 35,098

  
**SUB ENGINEER**  
Buildings Sub Division,  
Ahmed Pur East

  
**SUB DIVISIONAL OFFICER**  
Buildings Sub Division,  
Ahmed Pur East

  
**EXECUTIVE ENGINEER**  
Buildings Sub Division,  
Ahmed Pur East

**DETAILED ANALYSIS FOR PROVISION OF 0.25 CUSEC TURBINE PUMP I/C BORING, LOWERING &**

**PUMPING CHAMBER**

**E. WATER SUPPLY LINES**

1. Excavation of trenches in all kinds of soil, except cutting rock, for water supply 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.

Main Line 4" Dia	1	x	1	x	1000	x	1	x	3	3,000	Cft
Branch Line 3" Dia	1	x	1	x	600	x	1	x	3	1,800	"
<b>Total:</b>										<b>4,800</b>	<b>Cft</b>
										@ 7,647.00	%Cft = Rs. 36,706 /-

2. Providing, laying, testing and commissioning of POLY PROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular / Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).

PN-20 pipe (3/4") 25 mm	1	x	30	x	15					450	RU
(3") 110 mm	1	x	1	x	600					600	RU
<b>Total:-</b>										<b>450</b>	<b>RU</b>
										@ 66.60	/RU. = Rs. 29,970 /-
<b>Total:-</b>										<b>600</b>	<b>RU</b>
										@ 1,348.70	/RU = Rs. 809,239 /-

3. Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe, Beta / Dadex / Popular / HIL or equivalent, in trenches, as approved & directed by the engineer incharge, complete in all respects.

PN-20 (SDR-9) (4") 125 mm	1	x	1	x	1000					1,000	RU
<b>Total:-</b>										<b>1,000</b>	<b>RU</b>
										@ 810.65	/RU = Rs. 810,650 /-

4. Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):-

3" I/d (75 mm)	1	x	4							4	No.
4" I/d (100 mm)	1	x	2							2	No.
<b>Total:-</b>										<b>4</b>	<b>Nos</b>
										@ 16,750.30	/Each. = Rs. 67,001 /-
<b>Total:-</b>										<b>2</b>	<b>Nos</b>
										@ 18,404.75	/Each. = Rs. 36,810 /-

5. Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Paisal / Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer

3/4" dia	1	x	30							30	No.
<b>Total:-</b>										<b>30</b>	<b>Nos</b>
										@ 1,447.20	/Each. = Rs. 43,416 /-

6. Rehanding of earthwork:

Lead upto a single throw of Kassi, phaarah or shovel	1	x	1	(	80	/	100	)	4800	=	3,840	Cft
Assume 80% qty of excavation												
<b>Total:-</b>										<b>3,840</b>	<b>Cft</b>	
										@ 2,547.60	%Cft = Rs. 9,783 /-	
<b>Total (c)</b>										<b>1,843,550 /-</b>		

Cost of water supply

*[Signature]*

*[Signature]*

SUB-DIVISIONAL OFFICER

Buildings Sub-Division

1 x 1,843,550

1,843,550

## ANALYSIS FOR THE CONSTRUCTION OVER HEAD RESEVIOR 5000-GALLONS CAPACITY.

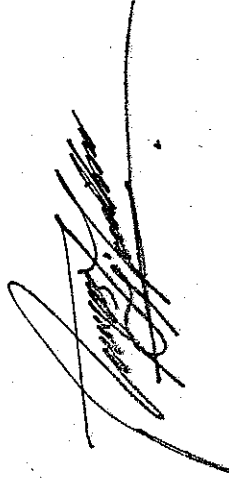
1

Design and construction of reinforced cement concrete high service reservoir 10000 Imperial Gallons capacity making 10% additional allowance for free board with ~~50~~ <sup>45</sup> feet height of base slab form ground level. A cantilever of RCC/steel landing at average taken will be projected all round reservoir at the level of base slab of water tank 1/c 1-1/2" I/d G.I. pipe railing 3 ft. height into 4 rows with all over painting 1/c the cost of the followings:-  
The contractor / Firm shall supply design according to the bearing capacity is to be got tested by the Department (From Buildings Research Station, Lahore. The fee of testing, will be paid by the contractor without any extra obligation of the Department. This fee is demand to be included in the rate to be quoted by the contractor. No extra claim will be entertained in this respect from the contractor. Detailed design and drawing shall be got prepared by the Civil Engineer who passes master Degree in structural Engineering and is registered with Pakistan Engineering Council for approval by the competent authority (design & drawing will become the property of the department.  
P/F Hositing fastening disinfection of M.S. pipe medium class flanged 6" I/d rising main 6" I/d scour and over flow and 6" I/d delivery main 1/c cost of clamps nut bolts rubber insulation sheet. The rate included cost of flange and welding pipes ends.  
Bitumenous (Coating on pipes to be laid under the surface of the earth) as directed by the Engineer Incharge complete in all respects.  
The laying of all pipes of (O.H.R) shall be extended to minimum of one foot from outer or most limit of foundation.  
P/F testing disinfecting of C.I specials for rising main, delivery main scour and over flow pipe of suitable size, approved by the Engineer Incharge. Such as bell mouth, expansion joints a Sluice valves for over flow scour rising main and deliver main bends, duck foot bends tail pieces etc. complete in all respects, 1/c 4-Nos, vent pipes of suitable dia construction of plinth protection apron one foot projected beyond the raft, comprising of 3" thick P.C.C (1:2:4) topping over 4" thick (1:4:8) base. P/F two No. 2/1/2"x2/1/2' I/d C.I manhole covers and frame as per approved design alongwith 3'x3'x4' depth brick masonry chamber. P/F, water indicator gauge as per approved design alongwith scale chart, pully and floating ball complete in all respects.  
P/F and making RCC stair with landing at appropriate interval and 1-1/2" I/d G.I pipe railing in two rows on both sides 1/c vertical from ground level to top of the water tank 1/c silver (Zinc Oxide) painting.  
P/F, M.S ladder inside the water tank 18" wide made of angle iron 2"x2"x1/4" M.S rod 3/4" dia at the one foot interval 1/c fixing roof of the O.H.R rigidly 1/c black painting (which should be anti-corrosive).  
P/F 1/1/2" G.I pipe railing 3 foot high with 4-rows and vertical post @ 5' interval 1/c cost of all types of specials on top slab 1/c silver painting (Zinc Oxide) cleaning and developing of site after construction of O.H.R 1/c turning plantation complete to the entire satisfaction of the Engineer Incharge. Suitable arrangement of lighting conductor with earthing and wiring light.


5000

@ Rs. 350 P. Gallon

Rs. 1,750,000



SUB-DIVISIONAL OFFICER  
Sudhangee Sub-Division  
Armed Forces East

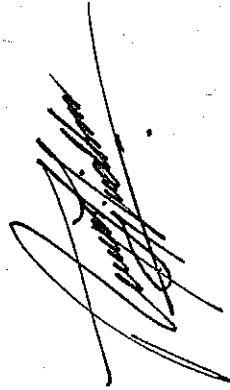


Executive Engineer  
Buildings Division No-II  
Dhaka

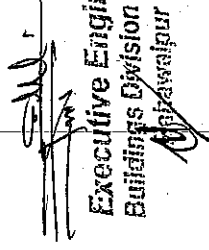
DETAIL OF SEWER LINE

1	Provision of 9" sewer line (2x100 = 200 Rft @ 610 / Rft)	= Rs.	122,000 /-
2	Provision of 12" sewer line (3x100 = 300 Rft @ 825 / Rft)	= Rs.	247,500 /-
3	Provision of Manholes (7-Nos @ 36840 / Each)	= Rs.	257,880 /-
4	Dismantling & Repair of road (12x10 = 120 @ 310 / Rft)	= Rs.	37,200 /-

Total Rs. = 664,580 /-  
3% for contingencies Rs. = 19,937.40 /-  
Rs. = 684,517 /-



SUB-DIVISIONAL OFFICER  
Buildings Sub-Division  
Anand Pur East



Executive Engineer  
Buildings Division No-II,  
Ghazipur

**RATE ANALYSIS FOR SEWER LINE 9" DIA 50' DISTANCE**

Analysis for 50 Rft Length MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BWP)

1. Earthwork excavation in open cutting for sewers and manholes as shown in drawings (excluding shuttering and timbering), dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-

i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth

1	x	1	x	50	x	1.5	x	3	=	225	Cft
Total:-											
									=	225	Cft
									@	8,062.76	%Cft = Rs. 1,814 /-

2. Supply and filling sand under floor and plugging in wells.  
(9" x 0.40 = 3.6" say 3.5")

1	x	1	x	50	x	2	x	0.29L	=	29	Cft
Total:-											
									@	2,824.60	1%/Cft = Rs. 819 /-

3. Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part 1: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.  
225 mm (9") /d

1	x	1	x	50	=	50	Rft
Total:-							
					@	529.90	1/Rft = Rs. 26,495 /-

4. Rehandling of earthwork:-

a) Lend upto a single throw of Kassi, phaorah or shovel take qty as item # 1

1	x	1	x	225	=	225	Cft
Total:-							
					=	225	Cft

R.C.C pipe

1	x	1	x	1	x	50	=	39	Cft		
Total:-											
									=	39	Cft
									@	2,547.60	1%/Cft = Rs. 474 /-

Net Total

(	225	-	39	)	=	186	Cft
Total:-							
					@	2,547.60	1%/Cft = Rs. 474 /-

Cost for 50 Rft Sewer Line

Total	=	Rs.	29,602 /-
Add	3 % for Confg.	=	Rs. 893 /-

Hence P.Rft

1	x	30490	=	30,490 /-
		50	=	610 /-
Total				
Cost P.Rft = Rs. 610 /-				

SAY = Rs. 610 /-

*[Signature]*  
SUB ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

*[Signature]*  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

*[Signature]*  
*[Signature]*



**RATE ANALYSIS FOR SEWER LINE 12" DIA 50' DISTANCE**

Analysis for 50 Rft Length

1. Earthwork excavation in open cutting for sewers and manholes as shown in drawings (including shuffling 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 rocks:-  
1) 0 ft. to 7.0 ft. (0 to 2.10 m) depth

1 x 1 x 50 x 2 x 4 = 400 Cft

Total:- = 400 Cft  
@ 8.062.76 /%Cft = Rs. 3,225

2. Supply and filling sand under floor and plugging in wells.  
(12" x 0.40 = 4.8" say 4.5")

1 x 1 x 50 x 2 x 0.375 = 38 Cft

Total:- = 38 Cft  
@ 2,824.00 /%Cft = Rs. 1,073

3. Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class III, Wall B, including carriage of pipes from factory to site of work, lowering in trenches to correct alignment and grade, joining with rubber ring, cutting pipes where necessary, testing, etc.  
310 mm (12") i/d

1 x 1 x 50 = 50 Rft

Total:- = 50 Rft  
@ 697.25 /Rft = Rs. 34,863

4. Rehanding of earthwork:-

a) Lead upto a single throw of Kassi, phaorah or shovel take qty as item # 1

1 x 1 x 400

= 400 Cft

Total:- = 400 Cft

R.C.C pipe

Total:- = 400 Cft

Total:- = 61 Cft

Net Total

( 400 + 61 )

Total:- = 339 Cft

@ 2,547.60 /%Cft = Rs. 864

Cost for 50 Rft Sewer Line

Total = Rs. 40,025 /  
Add 3 % for Contg. = Rs. 1,201 /

Hence P.Rft = 41226 / 50

Total = Rs. 41,226 /  
Cost P.Rft = Rs. 825 /

SAY = Rs. 825 /

*[Signature]*  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

*[Signature]*  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

*[Signature]*  
SUB DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

# RATE ANALYSIS FOR MANHOLE / INSPECTION CHAMBER 4'x2.5'x4' HAVING 4" THICK SLAB

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. BVP)

1. Earthwork excavation in open cutting for sewers and manholes as shown in drawings (including shuttering and timbering), dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-  
 i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth  

1	x	1	x	6	x	4.5	x	3	=	81	Cft
Total:- = 81 Cft											
@ 8,062.76 /%Cft = Rs. 653 /-											
  
2. Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-  
 Ratio 1: 6:18  

1	x	1	x	6	x	1.5	x	0.5	=	14	Cft
Total:- = 14 Cft											
@ 19,622.60 /%Cft = Rs. 2,747 /-											
  
3. Pucca brick work other than building upto 10ft. (3 m) height.  
 cement, sand mortar:-  
 Ratio 1:4  

1	x	2	x	5.5	x	0.75	x	4	=	33	Cft
1	x	2	x	2.5	x	0.75	x	4	=	15	"
Total:- = 48 Cft											
@ 31,483.10 /%Cft = Rs. 15,112 /-											
  
4. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):  
 Ratio 1: 2: 4  

1	x	1	x	4	x	2.5	x	0.167	=	2	Cft
Total:- = 2 Cft											
@ 38,219.00 /%Cft = Rs. 764 /-											
  
5. Cement plaster 1:3 upto to 20' (6.00 m) height:- on new surface:-  
 ½" (13 mm) thick  
 inside of manhole  
 out side  

1	x	2	x	4	+	2.5	x	4	=	52	Sqft
1	x	2	x	5.5	+	4	x	2	=	38	"
1	x	2	x	5.5	x	0.75	=	8	"	"	"
1	x	2	x	2.5	x	0.75	=	4	"	"	"
Total:- = 102 Sqft											
@ 3,464.25 /%Sqft = Rs. 3,534 /-											
  
6. Applying floating coat of cement 1/32" (0.8 mm) thick.  
 inside of manhole  

1	x	2	x	4	+	2.5	x	4	=	52	Sqft
Total:- = 52 Sqft											
@ 1,876.70 /%Sqft = Rs. 976 /-											
  
7. Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.  

1	x	1	x	4	x	2.5	=	10	Sqft
Total:- = 10 Sqft									
@ 2,976.75 /%Sqft = Rs. 298 /-									
  
8. 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(u) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-  
 Type C (nominal mix 1:2: 4)  
 Cover  

1	x	1	x	5.5	x	4	x	0.375	=	8	Cft
Total:- = 8 Cft											
@ 460.05 /Cft = Rs. 3,680 /-											
  
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 lapping of steel reinforcement (also includes removal of rust from bars):-  
 Deformed bars (Grade-40)  

1	x	1	x	8	x	6.75	x	0.454	=	25	Kg
---	---	---	---	---	---	------	---	-------	---	----	----

10. Rehandling of earthwork:-

a) Lead upto a single throw of Kass, phaorah or shovel  
 take qty of item No. 1

1 x 1 ( 2 / 3 )

81 =

54 Cft

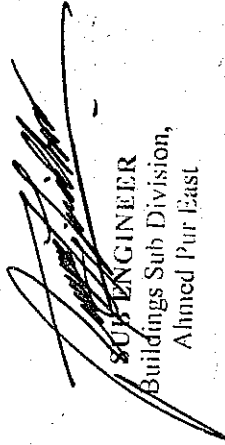
Total:- = @ 2,547.60 /%Cft = Rs. 1,58 /-

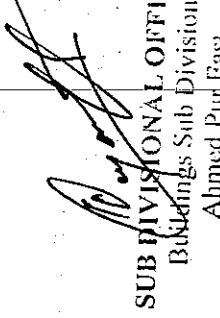
Total:- = @ 31,460.05 /%Kg = Rs. 7,865 /-

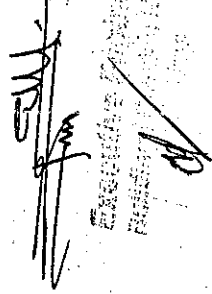
Total = Rs. 35,767 /-  
 Add 3 % for Contg. = Rs. 1,073 /-

Total = Rs. 36,840 /-

SAY = Rs. 36,840 /-

  
 SUB ENGINEER  
 Buildings Sub Division,  
 Ahmed Pur East

  
 SUB DIVISIONAL OFFICER  
 Buildings Sub Division,  
 Ahmed Pur East.



**RATE ANALYSIS FOR ROAD MATELLING REMOVING AND LAYING 100' DISTANCE**

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022, BWP)

Analysis for 100 Rft Length

1. Dismantling and removing road metalling.	1	x	1	x	100	x	1	x	0.75	=	75	Cft	
	Total:-												
										=	75	Cft	
										@	2,038.10	/%Cft	= Rs. 1,529 /-

2. Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate.

Crushed stone aggregate.	1	x	1	x	100	x	1	x	0.5	=	50	Cft	
	Total:-												
										@	9,057.00	/%Cft	= Rs. 4,529 /-

3. Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate.

1	x	1	x	100	x	1	x	0.33	=	33	Cft		
	Total:-												
										@	12,057.60	/%Cft	= Rs. 3,979 /-

4. Providing surface treatment to roads, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajri and rolling with road roller (including its operation cost, fuel and hire charges, etc.) etc. complete including carriage of all materials to site of work except bajri/crushed stone aggregate.

1st coat:-  
35 lbs. bitumen, and 4.0 Cft. bajri of nominal size 3/4" (20 mm) per %Sft. or 1.72 Kg bitumen and 0.013 cu.metre bajri per sq.metre.

1	x	1	x	100	x	1	=	100	Sft			
	Total:-											
									@	3,607.75	/%Sft	= Rs. 3,608 /-

2nd coat:-  
18 lbs. bitumen, and 2.0 Cft. bajri of nominal size 3/8" (10 mm) per %Sft. or 0.89 Kg bitumen and 0.006 cu.metre bajri per sq. metre.

1	x	1	x	100	x	1	=	100	Sft			
	Total:-											
									@	1,905.50	/%Sft	= Rs. 1,906 /-

3rd coat:-  
14 lbs. bitumen, and 1.5 Cft. bajri of nominal size 1/4" (6 mm) per %sft or 0.69 Kg bitumen and 0.005 cubic metre bajri per sq.metre.

1	x	1	x	100	x	1	=	100	Sft			
	Total:-											
									@	1,463.35	/%Sft	= Rs. 1,463 /-

5. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unstaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

Sub Base Course	1	x	1	x	50	x	1.2	=	60	Cft		
Base Course	1	x	1	x	33	x	1.2	=	40	"		
1st Surface Treatment	1	x	1	x	100	x	0.04	=	15	"		
2nd Surface Treatment	1	x	1	x	100	x	0.02	=	2	"		
3rd Surface Treatment	1	x	1	x	100	x	0.015	=	2	"		
	Total:-											
									@	12,032.50	/%Cft	= Rs. 13,115 /-

Cost for 100 Rft Road Matting

Total	=	Rs.	30,129 /-
Add 3 % for Comtg.	=	Rs.	901

Total	=	Rs.	31,033 /-
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Cost P.Rft	=	Rs.	310 /-
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Hence P.Rft

1 x 31033 / 100

*[Signature]*

*[Signature]*


SUB DIVISIONAL OFFICER  
Building Sub-Division  
Ahmed Pur East

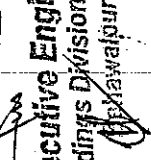
**1110. Ahmedpur East**

**Provision/Installation of Electrical Equipment.**

S#	QTY	Unit	Rate	Amount
<b>Construction of ELECTRICAL ROOM</b>				
3	1	each	AS per requirement	
<p>P/F floor mounted Electric Panel board of required depth and size, fabricated with 1/8SWG M.S. sheet (Indoor/Outdoor Type), demisting, Zinc Phosphated, finish with electro static powder coating in approved colour. I/c 1 no cost of Lock, Indication lights, dummies, Copper Comb, Wiring, Neutral &amp; Earth Bar, glands, Current Transformers of specified rating made of LEGRAND FRANCE/ GE U.S.A. / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ ABB SWITZERLAND (Breakers will be Paid Separately). Door (Breakers will be Paid Separately). MDB-1 (For PDBs)</p>				
<p>Incoming From Transformers</p> <p>(a) LT Switchboard</p> <p>(b) 2.5' deep</p> <p>(c) 300A (3x3x12")</p>				
<p>Incoming breakers for MDB-1</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 300A(36 KA) (1*1=1)</p> <p>Outgoing breakers for MDB-1</p> <p>(a) Tripole Pole 150A(36 KA) (1*3=3)</p> <p>(b) Tripole Pole 150A(36 KA) (1*3=3)</p>				
<p>P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 1/8 WG M.S. sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendable insulation class of 600 volts IP-44, incoming &amp; outgoing connections front bottom with flexible copper cable suitable for 615 VAC, 3-phase 4 wire, 50 Hz TN+PE system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments &amp; accessories assembled &amp; wired with Electrolic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphat, manual change Over i/c the cost of Lock, Indication lights, dummies, Copper Comb, Wiring, Neutral &amp; Earth Bar, CTS, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).</p>				
<p>ATS (for 200 KVA Generator and Transformer)</p> <p>Incoming from Generator and ATS for dual supply</p> <p>(a) 2.50 Ft deep</p> <p>(b) 200KVA (3.0x6x3.5)</p>				
<p>Incoming Breakers For ATS (for 200 KVA Generator and Transformer)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 500A(36 KA) (1*1=1)</p> <p>Outgoing Breakers For ATS (for 200 KVA Generator and Transformer)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 300A(36 KA) (1*3=3)</p>				
5	9	each	17,434.30	156908.7
<p>P/F wall mounted DB (Distribution Board) made with 1/8SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral &amp; Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p>				
<p>PDBs (For OPD &amp; Emergency)</p> <p>(a) 6' deep</p> <p>(b) 100A (30"x22" x6")</p>				
<p>Incoming Breakers for PDBs (For OPD &amp; Emergency)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 100A(36 KA) (1*3=3)</p> <p>Outgoing Breakers for PDBs (For OPD &amp; Emergency)</p> <p>Supplying, installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A. / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 63A(10 KA) (1*4=4)</p> <p>(b) Single Pole 32A(10 KA) (6*4=24)</p> <p>(c) Single Pole 16A(10 KA) (7*4=28)</p>				
<p>P/F wall mounted DB (Distribution Board) made with 1/8SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, Wiring, Neutral &amp; Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p>				
<p>PDBs (For wards)</p> <p>(a) 12' deep</p> <p>(b) 200A (3x3x12")</p>				
<p>Incoming Breakers for PDBs (For wards)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 150A(36 KA) (1*3=3)</p> <p>Outgoing Breakers for PDBs (For wards)</p> <p>Supplying, installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A. / SCHNEIDER GERMANY / SIEMEN GERMANY/ TERASAKI JAPAN/ ABB SWITZERLAND in pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 63A(10 KA) (1*4=4)</p> <p>(b) Single Pole 32A(10 KA) (6*4=24)</p> <p>(c) Single Pole 16A(10 KA) (7*4=28)</p>				
6	3	each	17,434.30	52302.9
<p>P/F floor mounted Electric Panel board of required depth and size, fabricated with 1/8SWG M.S. sheet (Indoor/Outdoor Type), demisting, Zinc Phosphated, finish with electro static powder coating in approved colour. I/c 1 no cost of Lock, Indication lights, dummies, Copper Comb, Wiring, Neutral &amp; Earth Bar, glands, Current Transformers of specified rating made of LEGRAND FRANCE/ GE U.S.A. / SCHNEIDER GERMANY / TERASAKI JAPAN/ SIEMEN/ ABB SWITZERLAND (Breakers will be Paid Separately). Door (Breakers will be Paid Separately). MDB-1 (For PDBs)</p>				
<p>Incoming From Transformers</p> <p>(a) LT Switchboard</p> <p>(b) 2.5' deep</p> <p>(c) 300A (3x3x12")</p>				
<p>Incoming breakers for MDB-1</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 300A(36 KA) (1*1=1)</p> <p>Outgoing breakers for MDB-1</p> <p>(a) Tripole Pole 150A(36 KA) (1*3=3)</p> <p>(b) Tripole Pole 150A(36 KA) (1*3=3)</p>				
<p>P/F floor mounted ATS (Auto Transfer Switch) panel board, fabricated with 1/8 WG M.S. sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour, front access, extendable insulation class of 600 volts IP-44, incoming &amp; outgoing connections front bottom with flexible copper cable suitable for 615 VAC, 3-phase 4 wire, 50 Hz TN+PE system having rated service, short circuit breaking capacity at 400VAC conforming to IEC-947-2 to accommodate given no of circuit components, instruments &amp; accessories assembled &amp; wired with Electrolic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphat, manual change Over i/c the cost of Lock, Indication lights, dummies, Copper Comb, Wiring, Neutral &amp; Earth Bar, CTS, Contactors, Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally).</p>				
<p>ATS (for 200 KVA Generator and Transformer)</p> <p>Incoming from Generator and ATS for dual supply</p> <p>(a) 2.50 Ft deep</p> <p>(b) 200KVA (3.0x6x3.5)</p>				
<p>Incoming Breakers For ATS (for 200 KVA Generator and Transformer)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 500A(36 KA) (1*1=1)</p> <p>Outgoing Breakers For ATS (for 200 KVA Generator and Transformer)</p> <p>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 pre-laid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p>				
<p>(a) Tripole Pole 300A(36 KA) (1*3=3)</p>				
9	each	62,434.30	62434.3	
3	each	17,434.30	52302.9	
3	each	18,094.30	54282.9	
4	each	17,434.30	17434.3	
4	each	11,434.30	45737.2	
12	each	1,299.95	15599.4	
28	each	1,299.95	36398.6	
3	each	18,094.30	54282.9	

S.#	Qty	Unit	Rate	Amount
(a) Tripole Pole 63A(3C KA) (4*3-1)	9	each	17,434.30	156908.7
(b) Single Pole 32A(10 KA) (5*3-13)	15	each	1,299.95	19499.25
(c) Single Pole 16A(10 KA) (5*3-15)	15	each	1,299.95	19499.25
P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type). Powder coated Paint, 1c the cost of Lock, Indication lights, Thumble, Copper Comb, Wiring, Neutral & Earth Bar, 1000 Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls. Complete in all respect as approved and directed by the Engineer incharge. (Breakers will be Paid Separately).				
(d) LDbs (For OPD & Emergency)				
(e) 6" deep				
(f) 63A (18*24*56")	4	each	18,691.40	84111.3
Incoming Breakers for LDbs (For OPD and Emergency) 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 pre-laid DBs and Panels 1c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer incharge.				
(g) Tripole Pole 63A(3C KA) (14*3-3)	4	each	17,434.30	69737.2
Outgoing Breakers for LDbs (For Ward)				
Supplying, installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY/SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in pre-laid DBs and Panels 1c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer incharge.				
(h) Single Pole 20A(10 KA) (4*3-12)	12		1,299.95	15599.4
(i) Single Pole 16A(10 KA) (4*3-12)	12		1,299.95	15599.4
(j) Single Pole 10A(10 KA) (6*3-18)	18		1,299.95	23399.1
<b>B LT POWER CABLE.</b>				
1	195 mm sq (370/072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer)	300	rtt	5,676.95
1	70 mm sq (190/083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer and MDB-1)	300	rtt	2,605.05
2	50 mm sq (120/072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	300	rtt	1,859.25
3	7/1.12 mm (7/0.04") PVC insulated, PVC sheathed twin core, 250/440 volts, copper conductor cables for service connection, in pre-laid pipe/G.I. wire/terminals, etc. (For LDbs and ACS)	650	rtt	104497.5
8	Earthing of iron chid/aluminium switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (5/8") dia, recessed 0r on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 30 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	1	No.	9635.15
Add Wapda Charges				
				0
<b>TOTAL</b>				576604.553
Add 3% Contingencies				172986.1366
<b>NET TOTAL</b>				593898.5

  
 SUB-DIVISIONAL OFFICER  
 Building Sub-Division  
 Alameda Puri East  
 Okhla  
 New Delhi-110025

  
 Executive Engineer  
 Building Division No-II,  
 Okhla  
 New Delhi-110025

## ANALYSIS OF STREET LIGHTS

MRS. BI-ANNUAL PERIOD (Jul to Dec, 2022. B.V.P)

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)

(By Manual)  
in ordinary soil.  
Pole Foundation

1 x 1 x 1.5 x 1.5 x 1.5 = 11 CH

Total:- = 11 CH  
@ 10,712.60 /%CH = Rs. 118 /-

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

Ratio 1: 2: 4

Pole Foundation

1 x 1 x 1.5 x 1.5 x 5.5 = 12 CH

Total:- = 12 CH  
@ 38,219.00 /%CH = Rs. 4,586 /-

3. Rehandling of Earth:-

- i) Lead upto a single throw of kassi or phaora etc.

Take qty of item No. 1

1 x 1 ( 2 / 3 ) 11 = 7 CH

Total:- = 7 CH  
@ 2,547.60 /%CH = Rs. 18 /-

4. Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi; etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor.

1 x 1 x 12 x 0.88 = 11 CH

Total:- = 11 CH  
@ 12,032.50 /%CH = Rs. 1,324 /-

5. Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500mm x 60mm x 4mm thick dia. arm for luminaire installation, duly G.I. welded with 470 x 470 x 20 mm base plate with the help of 4 no triangular stiffeners 100 x 350 x 20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge.

Single Arm

10 mtr height

1 x 1 = 1 No.

Total:- = 1 Nos  
@ 106,345.75 / Each = Rs. 106,346 /-

6. Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 66 & IK 08 or above Philips / Osram / Thorn or equivalent with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled / Cree / Nichia / Osram make or equivalent), programmable LED driver (Harvard / TCI / Lumotech / Philips / VOSSLOH Schwabe / Lightech make or equivalent), minimum 10 kV surge protection rating i/c the cost of all accessories / components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer Incharge.

140 Lm/Watt

90 Watt with 12600 Lumens

1 x 1 = 1 No.

Total:- = 1 Nos  
@ 51,768.15 / Each = Rs. 51,768 /-

7. Supplying, Installation and commissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.

a) Single Pole

6-63 Amp (10 KA)

1 x 1 = 1 No.

Total:- = 1 Nos  
@ 1,299.95 / Each = Rs. 1,300 /-

8. 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.

a) 3/4" Dia  
1 x 1 x 70

= 70 Rf

Total:-  
= 70 Rf  
@ 83.70 / Rf = Rs. 5,859 /-

9. Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):-

a) PVC-insulated, PVC sheathed twin core, 250/440 volts.  
7/0.91 mm (7/0.036")

1 x 1 x 70

= 70 Rf

Total:-  
= 70 Rf  
@ 110.30 / Rf = Rs. 7,721 /-

10. Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.

1 x 1

= 1 No.

Total:-  
= 1 Nos.  
@ 380.50 / Each = Rs. 381 /-

11. Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.

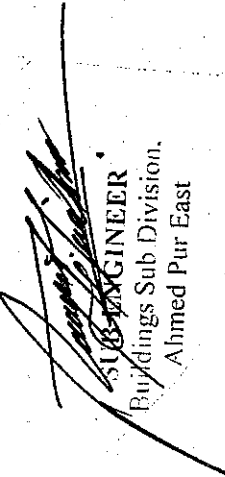
1 x 1

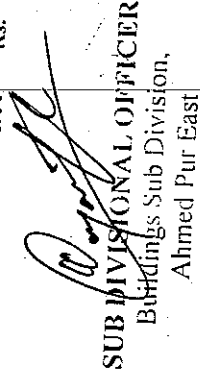
= 1 No.

Total:-  
= 1 Nos.  
@ 9,635.15 / Each = Rs. 9,635 /-

Add 3 % for Contig. = Rs. 189,056 /-

Total = Rs. 194,728 /-

  
SUB-ENGINEER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East

  
SUB-DIVISIONAL OFFICER  
Buildings Sub Division,  
Ahmed Pur East



# HUSSAIN TRADING CORPORATION

Ref No: HTC/8947/22  
NTN: 7583416

August 15, 2022

The SDO Building,  
Bahawalpur.

Respected Sir,

SUB: 2mm Lead lining with wooden paneling in Radiology department.

With great honor, we are pleased to quote our best prices for the supply and installation of the lead lining and wooden partition at your advised premises.

S.#	Description	Area (Sq.ft)	Rate	Amount
01	2mm Lead Lining with wooden paneling in Radiology department	2640	2400	6,336,000/-

*over lead charges for New*

*Total = 200  
= 2600 / sqft.*

'We hope this quotation will meet your entire satisfaction, and waiting to hear from you soon!'

Yours truly,

For, Hussain Trading Corporation



Sajjad Saeed  
Managing Partner

41-B-3, PIA Road, Johar  
Town, Lahore.  
[htcmodular@gmail.com](mailto:htcmodular@gmail.com)

**QUOTATION**  
**Vertical Line Shaft Turbine Pump**  
**ALTA**

*Executive Engineer*  
*Engineering Division*  
*Bahawalnagar*

Telephone	01	Date	01.08.2022	Order No.	MEZ 12748
No. of Pumps:	01	Pump Type	ALTA 230.30/6	Date	01.08.22

Capacity 0.25 cusec  
 Pump total head 160 Ft  
 Bowl Assembly Head 1450 rpm  
 Speed  
 Bowl Input  
 Line Shaft loss  
 Pump Input  
 Prime Mover (SIEM V1) 16 HP/4Pole

Max. O.D of Bowl 9.05  
 I.D tube well 12 Inch  
 Length of strainer  
 Length of suction pipe 90 ft  
 Length of bowl assembly 1 ft  
 Length of column pipe 91 ft  
 Length of Top pipe  
 Total Length of column  
 Total length of pump

Material Specifications

Pump Assembly

Bowls Cast Iron  
 Impellers Cast Iron  
 Wearing ring Cast Iron  
 Shaft Stainless Steel  
 Shaft Sleeves Bronze  
 Bearing Bronze

Column pipe assembly

column pipe Steel  
 Shaft Carbon Steel  
 Shaft Sleeves Bronze  
 Shaft couplings Steel  
 Bearings Rubber Lined  
 Bearing retainer Cast Iron  
 Column pipe coupling Cast Iron  
 Top shaft Stainless Steel

Component parts of each pumping unit

Pump assembly of 6

Column assembly of 4

slings with mixed flow type Impeller full dia  
 Inches ID. With flanged joints each 10 ft length  
 each 5 ft length  
 each 2m length  
 and one top set  
 shaft dia  
 13 1/2 A flange BSS with Priming Tank

Discharge head with 4  
 Inches discharge branch type

Price of pumping unit as specified above  
**ACCESSORIES:**

- (1) Motor Control Unit ASD-15 Make KSB
- (2) Cast Iron Sluice & Reflux Valve 4 inch
- (3) Mechanical Installation with in the pump house, w/o any civil & Electrical works

**Executive Engineer**  
**Engineering Division**  
**Bahawalnagar**

Included  
Included  
Included

01 Set Price Per Set Inclusive of 17% GST **Rs. 2,180,000/-**

**Commercial Terms & Condition:**

Delivery at	Site.
Delivery Time:	10-12 Weeks after receipt of firm order
Validity:	30 days
Terms of Payment:	50% Advance balance before delivery

Working out the price of above mentioned engineered product should be acknowledged as KSB's prerogative. This Quotation will have no bearing on previously quoted prices anywhere or on prices to be quoted in future to any prospective client. After expiry of quotation a validly KSB reserve the right to change price as a result of market forces/manufacturing variables. Procuring agency is requested to comply with all PPRA rules as it is its responsibility.

For KSB Pumps Company Limited  
*Blaw Saad*  
 Sales Department

PHONE NO. 062-9250334

From,

The Superintending Engineer,  
Buildings Circle, Bahawalpur

To,

The Chief Executive Officer (DHA),  
Bahawalpur.

No. 260 /DB,

Dated: 23-07 2021.

Subject - ROUGH COST ESTIMATE FOR THE REVAMPING OF THE HOSPITAL, TEHRAN, BAHAWALPUR EAST DISTRICT BAHAWALPUR.  
ADP NO. 1013/2021-22

The rough cost estimate amounting to Rs.45.971 (M) for the scheme cited as subject prepared on the basis of MRS for 2<sup>nd</sup> Biannual 2021 is being submitted herewith duly vetted for arranging administrative approval and funds from the competent authority please.

DA/Estimates

(MUHAMMAD TAHIR)

Superintending Engineer,  
Buildings Circle, Bahawalpur

Endstl.

/DB,

Dated

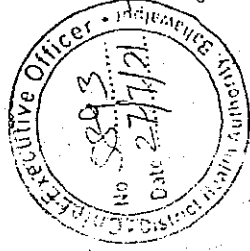
/2021.

Copy is forwarded for information to the Executive Engineer, Buildings Division, No 02 Bahawalpur with reference to his office letter No.133/DB, dated 17.07.2021

Superintending Engineer,  
Buildings Circle, Bahawalpur.

2nd Bi-Annual

2021



Placed

(38)

To,

The Executive Engineer,  
Buildings Division No.02,  
Bahawalpur

Subject:

REVAMPING OF ALL DHQ/15, T.H.QS ONE AT T.H.Q.HOSPITAL AHMEDPUR EAST  
DISTRICT, BAHAWALPUR

Reference: -

S.D.O: B.D.Sus Division, Ahmedpur East letter No.1186/APE, Dated: 23.08.2022.

Please find enclosed the working drawing regarding the scheme cited above as subject  
for further necessary action.

The drawings are as under.

Sr.#	Particulars	Scheme #	Sub Sch.:#	Drawing #
<b>WORKING DRAWING</b>				
1.	Existing & Proposed Part Plan, Part Elevation. (Indoor Block)	913	01	11
2.	Existing & Proposed Part Plan, Part Elevation. (X-ray Block)	913	01	12
3.	Existing & Proposed Part Plan, Elevation. (C.C.U Block)	913	01	13

Note :- The copy of scope of work by Medical Superintendent, T.H.Q. Hospital, Ahmedpur East is not attached.

DA/As above

(SAMRANA WAQAR)  
DEPUTY DIRECTOR ARCHITECTURE  
O/O DIRECTOR ARCHITECTURE  
BAHAWALPUR

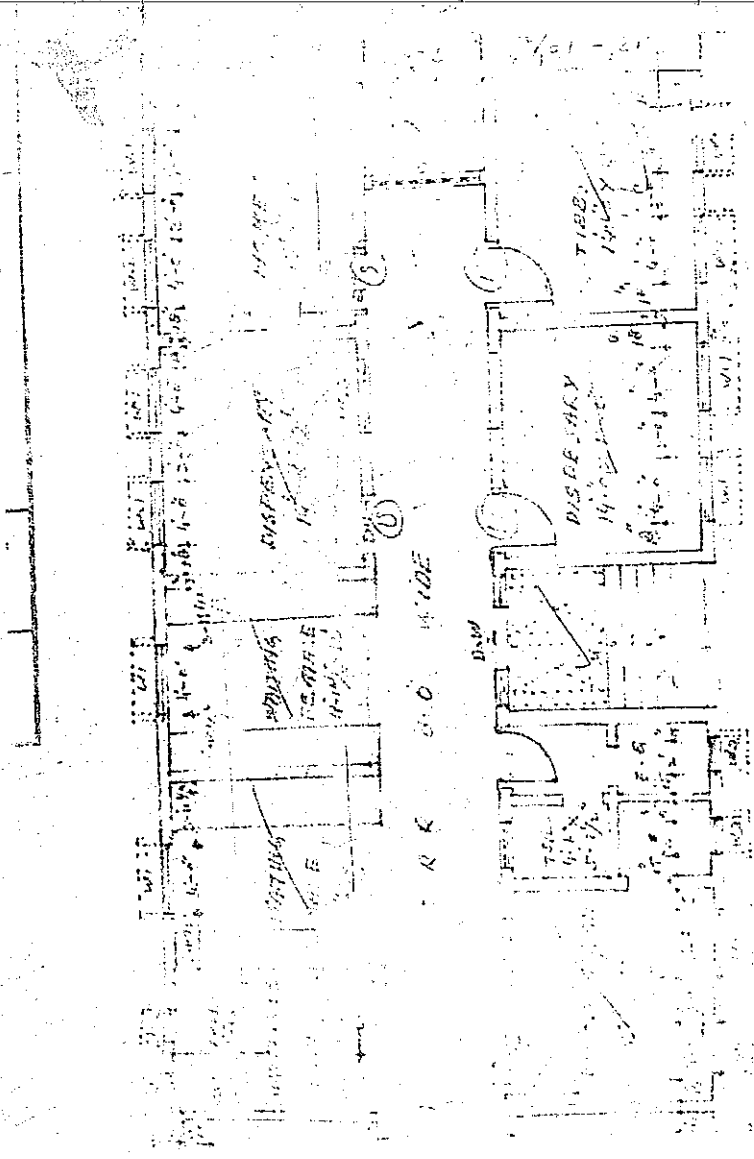
Endst: No. \_\_\_\_\_ /DDA/BWP: \_\_\_\_\_ Dated: \_\_\_\_\_ /2022.

A copy is forwarded for information to the:

1. Secretary to Government of the Punjab Communication and Works Department, South Punjab Bahawalpur.
2. Chief Architect, Punjab Architecture Department, Lahore.
3. Superintendent Engineer, Building Circle, Bahawalpur.
4. Sub Divisional Officer, Buildings Sub Division, Ahmedpur East.

DA/Nil

(SAMRANA WAQAR)  
DEPUTY DIRECTOR ARCHITECTURE  
O/O DIRECTOR ARCHITECTURE  
BAHAWALPUR

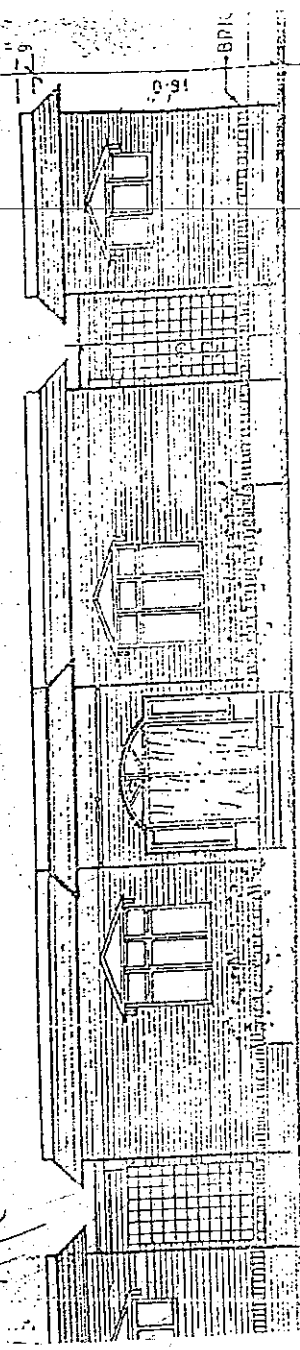


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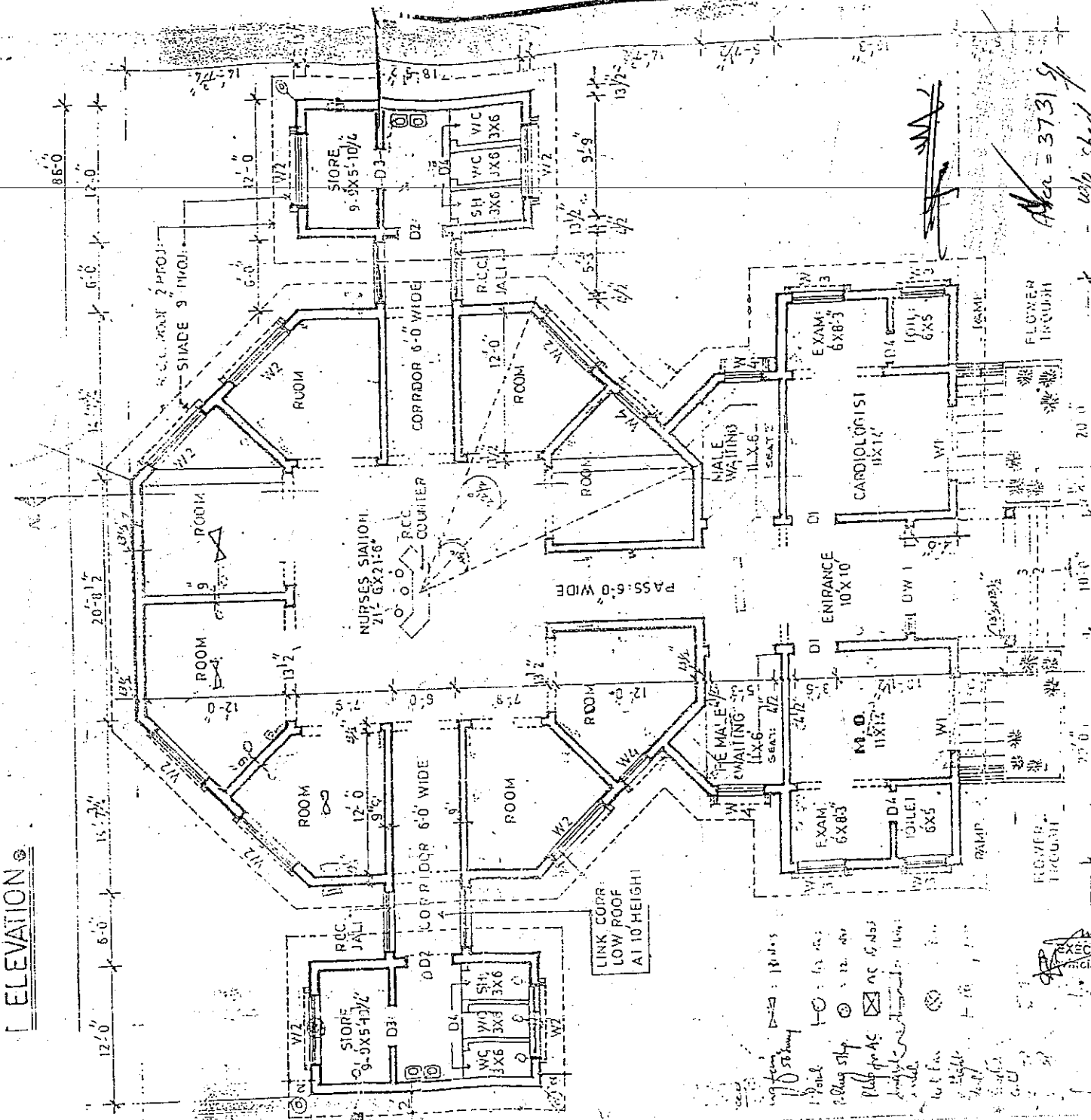
**Sub Divisional Officer  
Building Sub Division  
Ahmadpur East**

*[Handwritten Signature]*

NE



ELEVATION



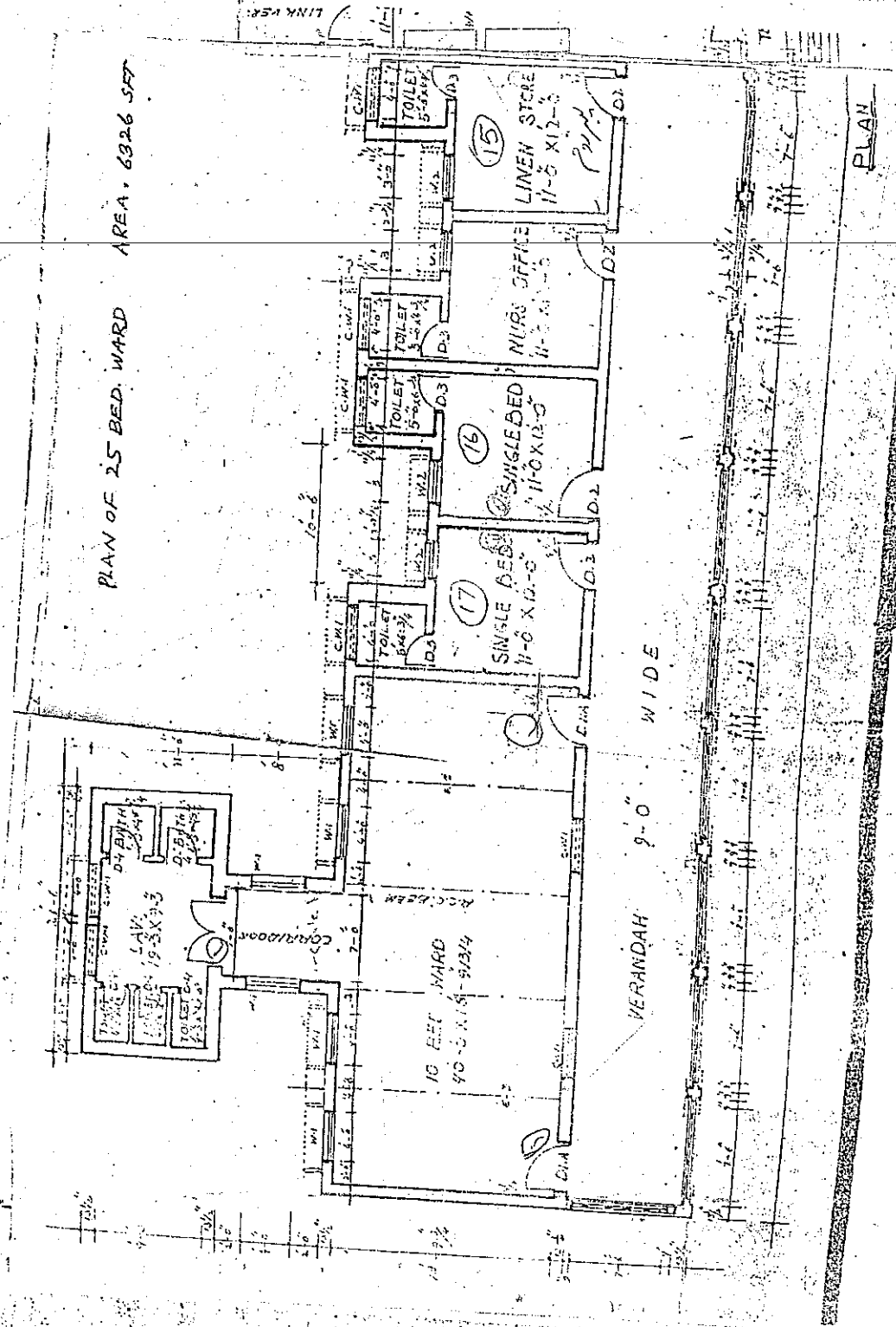
Area = 3731 sq  
w/o shed.

GROUND FLOOR PLAN

EXECUTIVE ENGINEER  
Civil Buildings Division  
Bachawalpur

Sub Divisional Officer  
Building Sub Division  
Ahimadpur East

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PLAN OF 25 BED WARD AREA, 6326 SFT

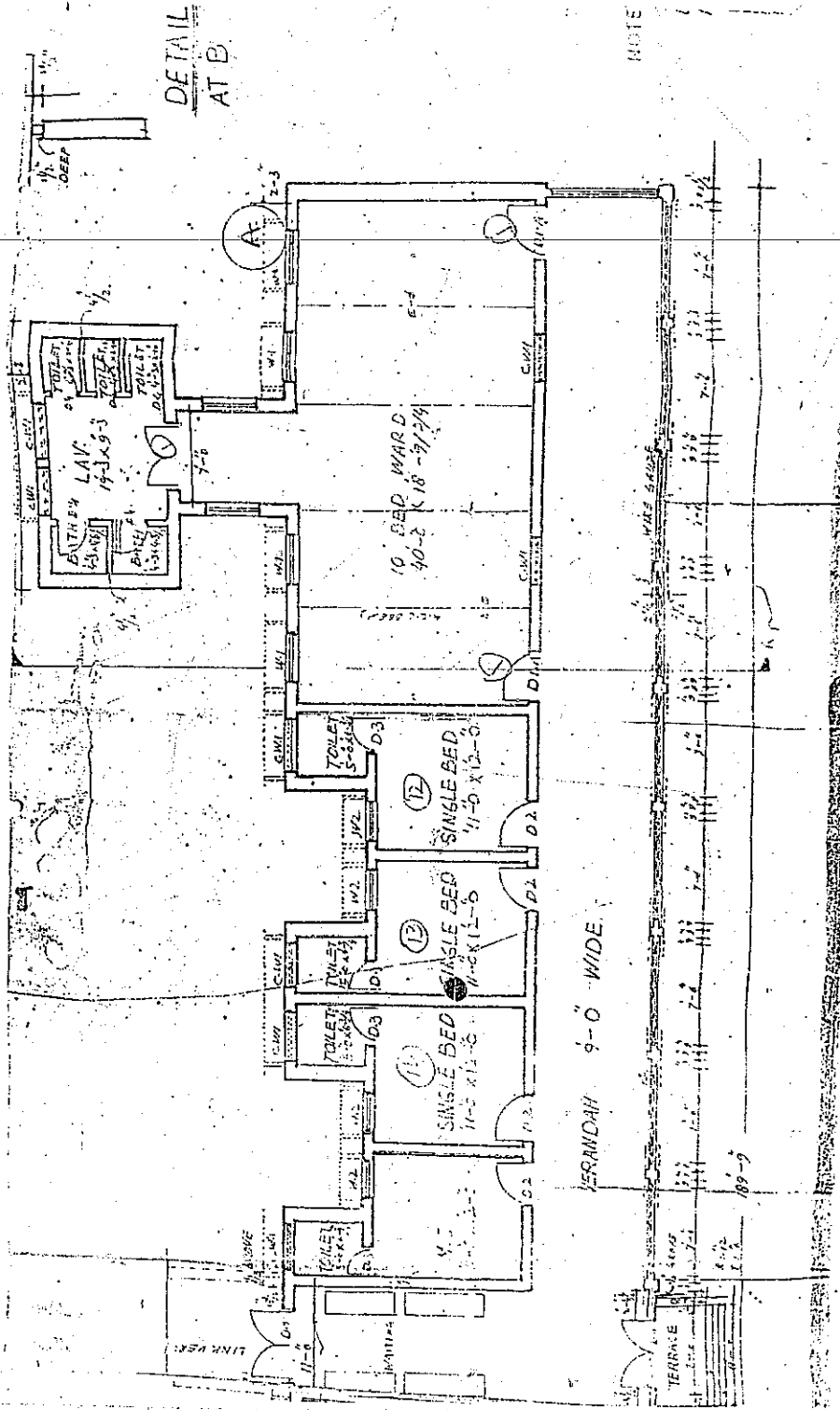
PLAN

*[Handwritten signature]*

Sub-Divisional Officer  
 Building Sub Division  
 At. mag. per. Esch

*[Handwritten signature]*

*[Handwritten signature]*



DETAIL  
AT B

NOTE

*[Signature]*  
 Sub Divisional Officer  
 Building Sub Division  
 Ahmadpur East

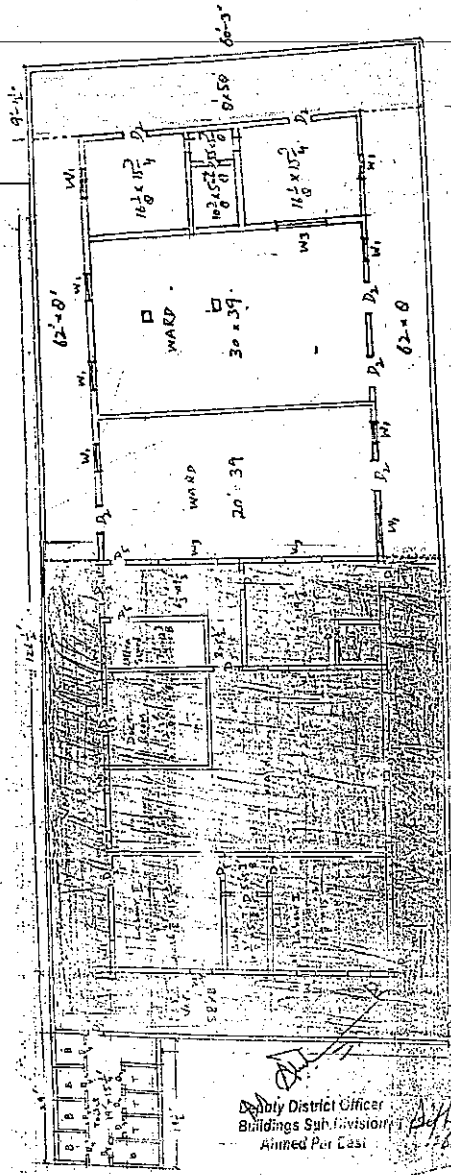
*[Signature]*



LINE PLAN OF NEWBORN CARE UNIT (OLD WING)  
 P.H.H. HOSPITAL - AHMED PUR EAST. SCALE: 1/4" = 1'-0"

REFERENCE:  
 D1 3-2-21  
 D2 1-15-81  
 D3 3-1-81  
 D4 3-1-81  
 D5 4-1-81  
 W1 3-1-81  
 W2 3-1-81  
 W3 3-1-81  
 W4 3-1-81

MEC AT EAST UNCHANGLED  
 AREA, 60'-0" x 55'-0"



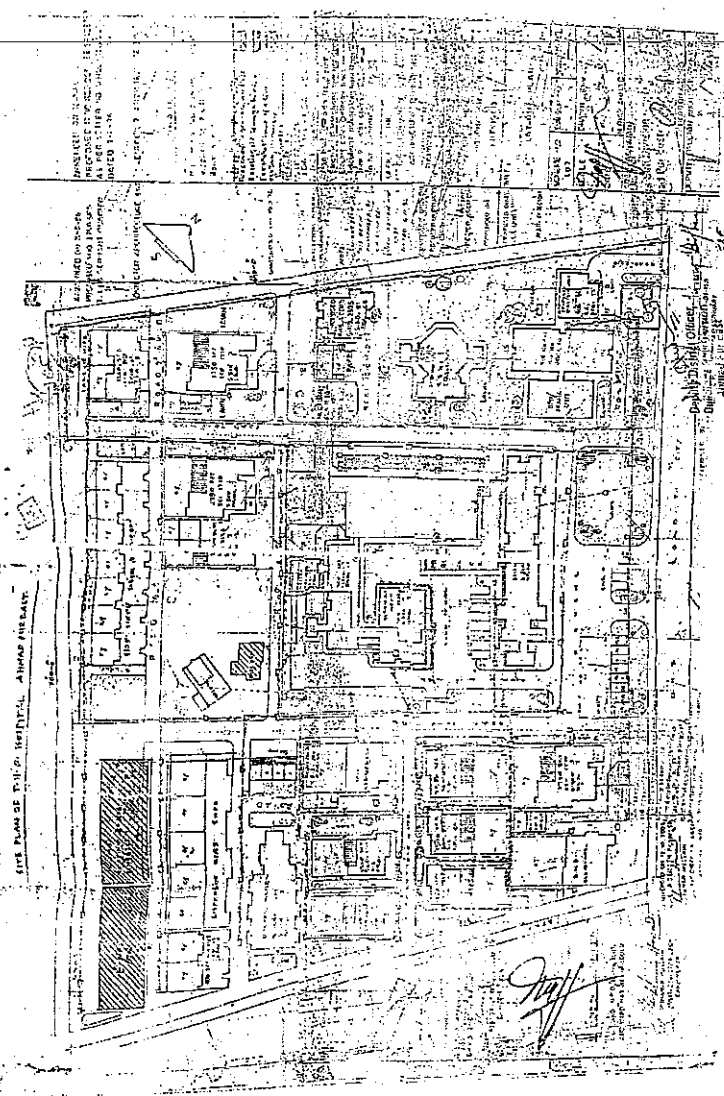
1-6' x 9' / 1' x 10' - 9' 10' wood =   
 TOTAL AREA = 472.85 sq ft

Deputy District Officer  
 Buildings Sub Division  
 Ahmed Pur East

*[Signature]*  
 Deputy District Officer  
 Buildings Sub Division  
 Ahmed Pur East

*[Signature]*

*[Signature]*  
 Deputy District Officer  
 Buildings Sub Division  
 Ahmed Pur East



- 1 - Bank cycle stand
- 2 - Cart Card case

*[Handwritten signature]*

*[Handwritten signature]*  
 Sub Divisional Officer  
 Building Sub Division  
 Ammadpur East

*[Handwritten signature]*

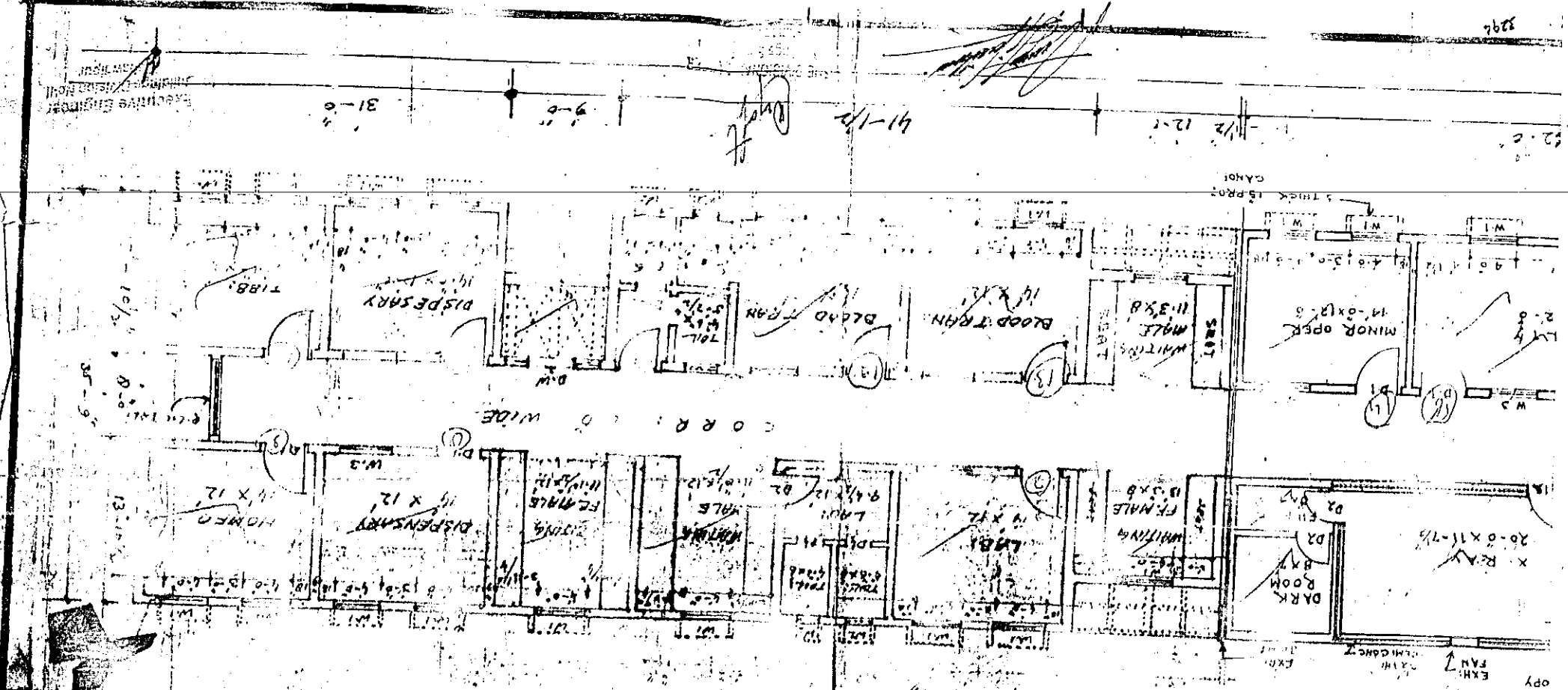
Executive Engineer  
 Building Department  
 City of Los Angeles

31-0

41-1/2  
 9-0

11/2 12-0

52.0

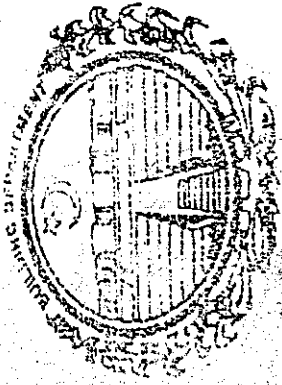


SCHEDULE OF DOORS/WINDOWS		TYPE	SIZE	DESCRIPTION	CILL
D-1	3-6x8	STEEL FRAM FLUSH SHUTTER WITH F/L	3-0x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	0+
D-2	2-6x8	STEEL FRAM FLUSH SHUTTER WITH F/L	2-6x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	0+
D-3	2-6x8	STEEL FRAM FLUSH SHUTTER WITH F/L	2-6x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	0+
D-4	2-6x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L	2-6x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	0+
DW-1	2-5x7-0	SPECIAL LEAD INSULATED DOOR WITH DELAY	15-5x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	
DW-2	15-5x7-0	SPECIAL LEAD INSULATED DOOR WITH DELAY	15-5x7-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	
D-1A	4-6x8-0	STEEL FRAM FLUSH SHUTTER WITH F/L	4-6x8-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	
W-1	4-0x5-8	STEEL FRAM FLUSH SHUTTER WITH F/L	4-0x5-8	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	
W-2	2-6x2-8	STEEL FRAM FLUSH SHUTTER WITH F/L	2-6x2-8	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	
W-3	4-8x2-0	STEEL FRAM FLUSH SHUTTER WITH F/L	4-8x2-0	STEEL FRAM FLUSH SHUTTER WITH F/L WITH OUT F/L	

COVERED AREA  
 11,500.00 SFT  
 AREA OF PERMITS  
 3,800.00 SFT  
 Proposed Area = 3519' x 110'  
 = 1430 SFT

SIDE ELEVATION (LEFT)

PUNJAB BUILDINGS DEPARTMENT



BAHAWALNAGAR

DIVISION BUILDINGS DIVISION NO. 02, BAHAWALPUR

SUB DIVISION BUILDINGS SUB DIVISION AHMEDPUR EAST.

NAME OF WORK

ROUGH COST ESTIMATE FOR THE SCHEME  
"REVAMPING OF TEHSIL HEADQUARTER HOSPITAL  
AHMEDPUR EAST", TEHSIL AHMADPUR EAST,  
DISTRICT BAHAWALPUR.

ESTIMATED COST Rs.45,971 (M)

**ROUGH COST ESTIMATE FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS  
DIVISION, NO.2 BAHAWALPUR FOR THE EXPENSES OF THE SCHEME " REVAMPING AT TENSIL  
HEAD QUARTER HOSPITAL, TENSIL AHMEDPUR EAST DISTRICT BAHAWALPUR.**

**HISTORY:-**

Primary and Secondary Health Department (P&SHD) is transforming its secondary health establishment through revamping programme in Phase-II through Communication & Works Department vide PMU/(P&SHD)/2021/1230, Dated: 03.05.2021. The desired revamping scope consists of Internal & External Development.

Hence, this rough cost estimate amounting to **Rs.45.971 (M)** for the scheme cited as subject, has been prepared on the basis of MRS 2<sup>nd</sup> Bi-Annual 2021 for arranging of funds from the competent authority and according technical sanctioned.

**SCOPE OF WORK:-**

The following provisions have been made in the estimate:

Sr. No.	Description	
1	Revamping of X-ray Block.	1111 Sft
2	Revamping of Surgical Block	7136 Sft
3	Revamping of Gyne Block	8557 Sft
4	Revamping of Dialysis Unit	1802 Sft
5	Revamping of CCU block	2475 Sft
6	Revamping of Medicine Store	1401 Sft
7	Construction of Front Entrance Elevation	01 Job
8	Construction of Single Window Elevation	01 Job
9	Construction of Double Window Elevation	01 Job
10	External Development Work	01 Job

**SPECIFICATIONS:-**

Latest approved specifications will be followed during execution of the scheme and work will be got carried out to the entire satisfaction of the Engineer Incharge.

RATES:-

The estimate has been prepared on the basis of MRS/Pilinth Area Rates for the 2nd Bi-Annual period from July 2021 to December, 2021.

COST:-

Total Cost of this scheme works out to **Rs. 45.971 (M)**.

LAND:-

There is no provision of land has made in this estimate the same will be provided by the client department.


TIME LIMIT:-


It will take about **12-Months** to complete the work from the actual date of commencement. Provided adequate funds are required.

CARRYING OUT OF WORK:-

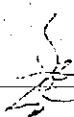
The work will be carried out at site through the approved Govt. contractor after calling Competitive tenders as per usual practice of the Department.

M.L.A.

  
Sub Divisional Officer,  
Buildings Sub Division,  
Ahmedpur East

  
Executive Engineer,  
Buildings Division, No.02  
Bahawalpur.

4. In view of all above, it is requested to prepare the cost estimate remaining work that is required in THQ Ahmed Pur East (clinical area only) and furnish this office to develop the schemes/PC-Is. This may be assigned as top priority.

  
(Maira Khan)  
Project Officer Architect  
PMU, P&SHD

A copy is forwarded for information to the:

1. Secretary, Primary and Secondary Healthcare Department Punjab
2. Additional Secretary (D & F), P&SH Department Punjab
3. Project Director, PMU, Primary and Secondary Healthcare Department Punjab
4. Deputy Project Director, PMU, Primary and Secondary Healthcare Department Punjab
5. Director Infrastructure, PMU, Primary and Secondary Healthcare Department Punjab
6. MS, THQ Hospital Ahmed Pur East
7. Office copy I&C wing

\* 100 M.P. 1 H

		North
1	DHQ Hospital	Harizabad
2	DHQ Hospital	M.B. Din
3	DHQ Hospital	Narawal
4	THQ Hospital	Kamoke
5	Civil Hospital	Daska
6	DHQ Hospital	Chakwal
7	DHQ Hospital	Jehlum
8	DHQ Hospital	Attock
9	THQ Hospital	Hazro
10	DHQ Hospital	Mianwali
11	THQ Hospital	Isa Khel
12	DHQ Hospital	Bhakhar
13	DHQ Hospital	Khushab
14	THQ Hospital	Noor Pur Thal
15	DHQ Hospital	T.T. Singh
16	Govt. Eye-Cum-General Hospital	Gojra
17	DHQ Hospital	Jhannag
18	DHQ Hospital	Chiniot
19	DHQ Hospital	Sheikupura
20	DHQ Hospital	Nankana
21	DHQ Hospital	Kasur
22	DHQ Hospital	Okara
23	DHQ Hospital	Okara South City
24	DHQ Hospital	Pakpattan
25	THQ Hospital	Arifwala
26	THQ Hospital	Chichawatni
27	DHQ Hospital	Bahwalnagar
28	THQ Hospital	Chishtian
29	THQ Hospital	Ahmadpur East
30	DHQ Hospital	Layyah
31	DHQ Hospital	Rajanpur
32	DHQ Hospital	Muzaffargarh
33	THQ Hospital	Taurisa
34	THQ Hospital	Kot Adu
35	DHQ Hospital	Vehari
36	DHQ Hospital	Khanewal
37	DHQ Hospital	Lodhran
38	THQ Hospital	Burewala
39	THQ Hospital	Mian Channu
40	THQ Hospital	Shujabad
		South



ROUGH COST ESTIMATE FOR THE SCHEME "REVAMPING OF TEHSIL HEADQUARTER HOSPITAL AHMEDPUR EAST" TEHSIL AHMADPUR EAST, DISTRICT BAHAWALPUR.

Sl. No.	Description of Items	Plinth Area	B/S	Rates					Total	Unit	Amount (Rs.)	Remarks	
				SI	EI	SI	SI	SI					
<p><b>X-Ray Block</b></p> <p>1) Switching</p> <p>A) Revamping of X-Ray Block (On MRS Items)</p> <p><b>Extra NS Items</b></p> <p>1. Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-SI (C bevelling laid in white cement pigment over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.</p> <p>2. Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 1.75" MS Box for Frame of windows of approved design including painting 2 coat complete in all respect.</p> <p>3. Providing and fixing tempered glass for composition of aluminium frame sections 2mm thick (Pakistan Cables Made) 10/12mm thick tempered glass rubber gasket using approved stainless steel angle joint and hardware etc complete in all respect as approved by the Engineer Incharge.</p> <p>4. Providing and fixing wooden box type wardrobe 22" (550mm) deep including 1/2" (20 mm) thick boxing and shelves, hanger rods, hard board drawers, brass fittings, locking arrangements, handles, internal bolts, shoe rods, etc. including three coats of enamel paint. Decodar wood boxing, and decodar woodshelves and leaves, etc.</p> <p>5. Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling by best quality BC border complete in all respect and as approved by the Engineer Incharge.</p> <p>6. Providing and fixing approved quality hydraulic door closer. Japan made complete.</p> <p>7. Construction of Front Entrance Elevation</p>													
1	Job	877,900	211	50	261	P.S.H	RS. 290315/-	2021.	2nd Biannual	Based on Plinth Area Rates for	677,900	RS. 877900/-	Analysis attached
9	SH	495			495	P.S.H	RS. 4455/-	Analysis attached				RS. 4455/-	Analysis attached
44	SH	394			394	P.S.H	RS. 12336/-	Analysis attached				RS. 12336/-	Analysis attached
455	SH	1850			1850	P.S.H	RS. 841750/-	Analysis attached				RS. 841750/-	Analysis attached
30	SH	1400			1400	P.S.H	RS. 42000/-	Analysis attached				RS. 42000/-	Analysis attached
1341	SH	110			110	P.S.H	RS. 147510/-	Analysis attached				RS. 147510/-	Analysis attached
3300	Each	3300			3300	Each	RS. 19800/-	Analysis attached				RS. 19800/-	Analysis attached
361500	Job	361500			361500	P.Job	RS. 361500/-	Analysis attached				RS. 361500/-	Analysis attached

Sr. No.	Description of Items	Plinth Area / Quantity	B.P	Fund	Rates					Total	Unit	Amount (Rs.)	Remarks
					P.H	E.I	S.G						
8)	Revaning of Surgical Block (On MRS Items)	7136	SR	470	65	50			585	P.SR	Rs. 4174560/-	Based on Plinth Area Rates for 2nd Biannual 2021	
5	Construction of Single Window Elevation	1	Job	152000					152000	P.L.B	Rs. 152000/-	Analysis attached	
10	Construction of Double Window Elevation	1	Job	152000					152000	P.L.B	Rs. 152000/-	Analysis attached	
1	Providing and fixing UPVC Doors 30mm thickness etc. Deliver matching color UPVC frame matt or glossy finish having color white-Grey-Marble Grey-Oak Wood- Dark Oak Wood, Collier Wood Honey Pine Wood-Managony-Mary Gold-locate Brown-Honey Dew) etc all accessories except locks complete in all respect as approved by the Engineer Incharge	329	SR	730					730	P.SR	Rs. 240170/-	Analysis attached	
2	Providing and fixing laminated tempered glass for comprising of aluminium frame sections 2mm thick (Pakistan Cables Made) etc 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge	63	SR	457					457	P.SR	Rs. 28791/-	Analysis attached	
	13.5" Wide	21	SR	376					376	P.SR	Rs. 7896/-	Analysis attached	
	9" Wide	245	SR	310					310	P.SR	Rs. 75050/-	Analysis attached	
3	Providing and fixing laminated tempered glass for comprising of aluminium frame sections 2mm thick (Pakistan Cables Made) etc 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respect as approved by the Engineer Incharge	170	SR	1850					1850	P.SR	Rs. 314500/-	Analysis attached	
4	Providing and fixing approved quality hydroalric door closer Japan made complete	28	SR	3300					3300	P.SR	Rs. 92400/-	Analysis attached	
5	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture full width spiless for stair tread / shelves area above 4-Sft etc bevelling laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 12" complete in all respects as approved by the Engineer Incharge	382	SR	495					495	P.SR	Rs. 189090/-	Analysis attached	
6	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c grill including 11x1" MS Box for Frame of windows of approved design including painting 3 coat complete in all respect	1584	SR	394					394	P.SR	Rs. 624096/-	Analysis attached	

Sl. No.	Description of Items	Plinth Area	Rate	Found	Found	F.M.	S.S.	Total	Unit	Amount (Rs.)	Remarks
7	Providing and laying of Flooring tile (600mmx500mm) UVV series (Forsand or Equivalent, class S); flooring of approved cement, pigment and sealer for finishing the joints etc cutting Color and Shade laid over 1/2" thick cement plaster 1:2 etc white approved by the Engineer Incharge	782	SN	281					P.SN	Rs. 219742/-	Analysis attached
8	Providing and laying of Flooring tile (600mmx500mm) UVV series Polished or Equivalent, class SS slatted/de of approved Color and Shade laid over 1/2" thick cement plaster 1:2 etc white cement, pigment and sealer for finishing the joints etc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge	626	SN	281					P.SN	Rs. 232698/-	Analysis attached
9	Providing and laying of Ceramic tile size 12"X18"X24"X24" Texture Normal Gloss Flooring as per approved design & of approved Color and Shade laid over 3/4" thick cement plaster 1:2 etc white cement, pigment and sealer for finishing the joints etc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge	605	SN	196					P.SN	Rs. 118580/-	Analysis attached
10	Providing and laying of Ceramic tile size 12"X18"X24"X24" Texture Normal Gloss Skirting/de as per approved design & of approved Color and Shade laid over 3/4" thick cement plaster 1:2 etc white cement, pigment and sealer for finishing the joints etc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge	2619	SN	196					P.SN	Rs. 527524/-	Analysis attached
11	Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminum Tee's 1" x 1" size at 2'-0"X2'-0" center to center longitudinally and transversally & minimum angle of size 1" x 1" at corners/ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc. complete in all respects, and as approved by the Engineer Incharge	5820	SN	100					P.SN	Rs. 582000/-	Analysis attached
12	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling best quality etc border complete in all respects and as approved by the Engineer Incharge	3017	SN	110					P.SN	Rs. 331870/-	Analysis attached
13	P/F Stainless steel part for safety of corners etc complete in all respects	155	RN	350					P.RN	Rs. 57750/-	Analysis attached
14	P/F sign board 5mm thick glass etc graving letters and fixing with screws complete	30	SN	750					P.SN	Rs. 67500/-	Analysis attached
15	Supply and erection of SMD Light 15 Watt (Philips)	140	No	1970					Each	Rs. 275800/-	Analysis attached

Sl. No.	Description of Items	Plinth Area / Quantity	B.P.	Sound	Structure	P.H.	E.I.	S.G.	Total	Unit	Amount (Rs.)	Remarks	Rates						
													40	450					
16	Supply and erection of L.T.P. Lamp 7 Watt (Single)	40 No	450							Each	Rs. 22.000/-	Analysis attached	450	Rs. 22.000/-					
17	Supply and erection of F.O. Lamp 7 Watt (Single)	3 No	27.000							Each	Rs. 62.100/-	Analysis attached	27.000	Rs. 62.100/-					
18	Providing and fixing at site of work Exhaust fan 12" sweep (Metal body) made of Pak/Younas/G.F.C. or equivalent approved make /ic cost of necessary cable for connection from ceiling rose and shutter complete	2 No	2800							Each	Rs. 5600/-	Analysis attached	2800	Rs. 5600/-					
19	Providing and fixing at site of work Drackel fan 12" sweep, make of Pak/Younas/G.F.C. or equivalent approved make /ic cost of necessary cable for connection from ceiling rose and shutter complete	1 No	3400							Each	Rs. 6800/-	Analysis attached	3400	Rs. 6800/-					
20	Providing and fixing Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer incharge.	4 No	18000							Each	Rs. 72000/-	Analysis attached	18000	Rs. 72000/-					
21	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer incharge.	6 No	6500							Each	Rs. 39000/-	Analysis attached	6500	Rs. 39000/-					
22	Providing and fixing Shower along with mixing valve and rod SONIX/Master/airal complete in all respects as approved by the Engineer incharge.	2 No	20000							Each	Rs. 40000/-	Analysis attached	20000	Rs. 40000/-					
23	Providing and fixing Muslim Double Bib Cock 90 angle /ic shower and 1-meter long rubber pipe complete in all respects as approved by the E.I.	4 No	3000							Each	Rs. 12000/-	Analysis attached	3000	Rs. 12000/-					
24	Providing and fixing (7-piece set) BATHROOM ACCESSORIES SET One Mirror, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, etc complete in all respects as approved by the Engineer incharge.	4 No	5500							Each	Rs. 22000/-	Analysis attached	5500	Rs. 22000/-					
25	Construction of Front Entrance Elevation	1 Job	717700							P.Job	Rs. 717700/-	Analysis attached	717700	Rs. 717700/-					
26	Construction of Side Entrance Elevation	1 Job	357800							P.Job	Rs. 357800/-	Analysis attached	357800	Rs. 357800/-					
27	Construction of Front Single Window Elevation	8 Job	82400							P.Job	Rs. 659200/-	Analysis attached	82400	Rs. 659200/-					
28	Construction of Front Double Window Elevation	4 Job	158200							P.Job	Rs. 632800/-	Analysis attached	158200	Rs. 632800/-					
Gyne Block Revenuing of Gyne Block (On MKS Items)													483	5587	58	50	598	P.S.M. Rs. 5117086/-	Based on Plinth Area Rates for 2nd Quarter 2021

Sr No	Description of Items	Plinth Area / Quantity	B.P	Rates					Total	Unit	Amount (Rs.)	Remarks
				SI	SI	SI	SI	SI				
1	Finishing and painting work on doors, windows, etc. as per specification. (White-Grey-Marble, Pine, Oak, Mahogany, etc.)	252	SI	730						730	P.S.H. Rs. 183960/- Analysis attached	
2	Providing and fixing laminated tempered glass for compensating of aluminium frame sections 2mm thick (Pakistan Cables Made) etc. 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the Engineer Incharge.	42	SI	376						376	P.S.H. Rs. 15792/- Analysis attached	
3	Providing and fixing laminated tempered glass for compensating of aluminium frame sections 2mm thick (Pakistan Cables Made) etc. 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the Engineer Incharge.	238	SI	1850						1,850	P.S.H. Rs. 440300/- Analysis attached	
4	Providing and fixing approved quality hydraulic door closer. (Japan made complete)	30	SI	3300						3,300	P.S.H. Rs. 99000/- Analysis attached	
5	Providing and laying 3/4" thick Prepolished Marble slab China Verona Crystal having uniform texture but with spots for stair tread / shelves area above 4-5% to be covering laid in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	332	SI	455						495	P.S.H. Rs. 164340/- Analysis attached	
6	Providing and fixing M.S. Sq Bar 3/8" @ 4" c/c girth including 1"x1" MS Box for frame of windows of approved design including painting 3 coat complete in all respect.	2417	SI	394						394	P.S.H. Rs. 952298/- Analysis attached	
7	Providing and laying of Porcelain full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB flooring of approved cement pigment and seal for finishing the joints etc cutting and grinding where necessary complete in all respects and as approved by the Engineer Incharge.	6210	SI	261						261	P.S.H. Rs. 1745010/- Analysis attached	

Sl. No.	Description of Items	B.P.	Found	Unit	Total	Rates					Remarks
						Found	Contract	p.H	E.I	S.G	
10	Providing and laying of Ceramic tile size 12"X18"X24"X24" approved by the Engineer Incharge cutting grinding where necessary complete in all respects and as approved Color and Shade laid over 3/4" thick cement plaster 1:2 texture Normal Gloss Flooring as per approved design & approved Color and Shade laid over 3/4" thick cement plaster 1:2 to white cement, pigment and sealer for finishing the joints etc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge	1443	SH	281							281 P.Sh Rs. 405483/- Analysis attached
11	Providing and fixing of false ceiling consisting of laminated Gypsum Board (one side laminated) size 600mm x 600 mm x 10 mm over aluminum Tee's 1 x 1" size at 2'-0" X2'-0" center to corner longitudinally and transversely & minimum angle of size 1" x 1" at corners/ends including all accessories such as steel hanging wire, hooks, screws, nails, towel plugs, Cross joints etc. complete in all respect, and as approved by the Engineer Incharge	2433	SH	196							196 P.Sh Rs. 476868/- Analysis attached
12	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling the Engineer Incharge best quality VC border complete in all respect and as approved by	2193	SH	110							110 P.Sh Rs. 241230/- Analysis attached
13	3/4" Stainless steel angle iron for safety of corners etc complete in all respect	125	RA	350							350 P.RH Rs. 43780/- Analysis attached
14	1/2" F.F. sign board 5mm thick glass be graving letters and fixing with screws complete	72	SH	750							750 P.Sh Rs. 544110/- Analysis attached

Sl. No.	Description of Items	Plinth Area / Quantity	R.P.	Found	Framing	P.H.	E.I.	S.G.	Total	Unit	Amount (Rs.)	Remarks
16	Supply and erection of SMD light 17-Watt (Philips) by the manufacturer for approval to consultant before starting Front & Rear open able doors Shop drawings shall be submitted	100	No.						1970	Each	1970	Rs. 197000/- Analysis attached
17	Supply and erection of LED lamp 7-Watt (Philips)	50	No.						450	Each	450	Rs. 22500/- Analysis attached
18	Supply and erection of LED lamp 70-Watt (Philips)	2	No.						30700	Each	30700	Rs. 15350/- Analysis attached
19	Providing and fixing at site of work Exhaust fan 12" sweep (Metal body) made of Pak/Younas/F.C. or equivalent approved make the cost of necessary cable for connection from ceiling rose and former complete	4	No.						2800	Each	2800	Rs. 11200/- Analysis attached
20	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Younas/F.C. or equivalent approved make the cost of necessary cable for connection from ceiling rose and shutter former complete	5	No.						3400	Each	3400	Rs. 17000/- Analysis attached
21	Providing and fitting Bathroom coupled set Master (full size) complete in all respects as approved by the Engineer incharge	2	No.						18000	Each	18000	Rs. 36000/- Analysis attached
22	Providing and fixing Under counter Vanity Best Quality etc complete in all respects as approved by the Engineer incharge	4	No.						6500	Each	6500	Rs. 26000/- Analysis attached
23	Providing and fixing Shower along with mixing valve and rod SONIX/Master/Anal complete in all respects as approved by the Engineer incharge	2	No.						20000	Each	20000	Rs. 40000/- Analysis attached
24	Providing and fixing Master Double Bio Cook 90 angle the shower and 1-meter long rubber pipe complete in all respects as approved by the E	2	No.						3000	Each	3000	Rs. 15000/- Analysis attached

Wiring from loads terminating on cable terminals, conductors installed at the top of MPB, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 phase, neutral and earthing conductors made of 8% aluminum copper or under mentioned quantities. Every MFB shall be degreased and de-rusted having one coat of enamel paint with 7 coats of powder paint of approved colour and shall be equipped as per schedule drawings including cost of all necessary materials complete in all respects and accordance with the latest BS codes and conforming to single line diagram. Rated current of Main & Neutral bus bar rated at 60 degree centrifugal All Breakers to be installed shall be of one make only and not mixture of two manufacturers Make GE (Europe/USA), MG. (Made in France), Mitsubishi and Teasakii (Made in Japan/Spain) ABB, Legrand, Front & Rear open able doors Shop drawings shall be submitted by the manufacturer for approval to consultant before starting

Sl. No.	Description of Items	Plain Area	Qty	Unit	Rates					Remarks	
					1. Lump Sum	2. Material	3. Labor	4. S.G.	5. Cont.		
25	Providing and fixing 17mm thick tempered glass for compensating of aluminium frame sections 2mm thick (Pakistan Cables Made) etc. standard latches, angle joint and hardware etc. complete in all respects as approved by the Engineer Incharge.		3	No	5500						soap dish, One double hook, etc complete in all respects as approved by the Engineer incharge.
26	Construction of front Entrance Elevation		717.00	P. Job	717.00						Analysis attached
27	Construction of front Single Window Elevation		824.00	P. Job	824.00						Analysis attached
28	Construction of front Double Window Elevation		1582.00	P. Job	1582.00						Analysis attached
Dayajytic Unit											
D)	Revaning of Dayajytic Unit (On lifts items)		1802	Sq	441	60	50				Based on Item Biannual 2021
Extra NS Items											
1	Providing and fixing UPVC Doors 38mm thickness i/c Deluxe matching color UPVC frame matt or glossy finish having color White-Gray-Marble Gray-Dark Wood-Dark Oak Wood, Coffee, Wood Honey Pine Wood-Mahogany-Mary Gold-Chocolate Brown(Honey Dew) i/c all accessories exact locks complete in all respect as approved by the Engineer Incharge.		81	Sq	730						Analysis attached
2	Providing and fixing laminated tempered glass for compensating of aluminium frame sections 2mm thick (Pakistan Cables Made) etc. standard latches, angle joint and hardware etc. complete in all respects as approved by the Engineer Incharge.		28	Sq	376						Analysis attached
	4.5" Wide		53	Sq	310						Analysis attached
3	Providing and fixing laminated tempered glass for compensating of aluminium frame sections 2mm thick (Pakistan Cables Made) etc. standard latches, angle joint and hardware etc. complete in all respects as approved by the Engineer Incharge.		51	Sq	850						Analysis attached
4	Providing and fixing approved quality hydraulic door closer Japan made complete		7	Sq	3300						Analysis attached



Sl. No.	Description of Item	Plinth Area	Bt. Quantity	Lrd	S. and S. Structure	SH	SI	A.C	Wall	Unit	Amount (Rs.)	Remarks
5	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	45	SI	495						F. Sh	Rs. 22275/-	Analysis attached
6	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	47	SI	394						F. Sh	Rs. 18574/-	Analysis attached
7	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 1/2"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	1242	SI	281						F. Sh	Rs. 349002/-	Analysis attached
8	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 1/2"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	401	SI	281						F. Sh	Rs. 112681/-	Analysis attached
9	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	5	SI	196						F. Sh	Rs. 17826/-	Analysis attached
10	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	410	SI	196						F. Sh	Rs. 80360/-	Analysis attached
11	Providing and laying of Ceramic tile size 12"x18"10"x24"8"x24" Texture Normal Gloss Skirting/dao as per approved design & of approved Color and Shade laid over 3/4"thick cement plaster 1:2 wc white cement pigment and sealer for finishing the joints wc cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	117	SI	1440						P. Sh	Rs. 168480/-	Analysis attached

Sl. No.	Description of items	Plinth Area	Rate	Amount	Rates					Remarks
					Unit	1	2	3	4	
13	Providing and fixing of false ceiling consisting of laminated gypsum board 12mm thick cement sand mortar 1:2 concrete laid in cement over 3/4" thick cement sand mortar 1:2 concrete in all respects as approved by the Engineer incharge.	116	Sh	830						RS. 96210/- Analysis attached
14	Providing and fixing PVC wall paneling 3/8" thick having grooved strip 12" wide double layer each layer 2mm thick wall paneling in all respect and as approved by the Engineer incharge.	886	Sh	110						RS. 96800/- Analysis attached
15	P/W: Stainless steel part for safety of corners etc complete in all respects.	65	Rt	350						RS. 22750/- Analysis attached
16	P/W: sign board 5mm thick glass w/c graving letters and fixing with boards complete.	22	Sh	750						RS. 18000/- Analysis attached
17	Supply and erection of 17' long (Rings)	1	No	1970						RS. 23640/- Analysis attached
18	Supply and erection of LED Lamp 7-Watt (Rings)	3	No	450						RS. 1400/- Analysis attached
19	Supply and erection of LED Lamp 70 Watt (Phings)	3	No	20700						RS. 6400/- Analysis attached
20	Providing and fixing at site of work Exhaust fan 12" sweep 14" dia body made of Pak/Younas/G.F.C. or equivalent approved make w/c cost of necessary cable for connection from ceiling rose and shutter complete.	1	No	2800						RS. 6400/- Analysis attached
21	Providing and fixing at site of work Bracket fan 18" sweep made of Pak/Younas/G.F.C. or equivalent approved make w/c cost of necessary cable for connection from ceiling rose and shutter complete.	2	No	3400						RS. 6800/- Analysis attached
22	Providing and fixing Bathroom coupled set, faster (full size) complete in all respects as approved by the Engineer incharge.	1	No	18000						RS. 6000/- Analysis attached
23	Providing and fixing Shower along with mixing valve and rod (SNM) complete in all respects as approved by the Engineer incharge.	2	No	20000						RS. 40000/- Analysis attached
24	Providing and fixing Muslim Double Bid Cock 90 angle w/c shower and 1-meter long rubber pipe complete in all respects as approved by the E.I.	2	No	3000						RS. 6000/- Analysis attached

Sl. No.	Description of Items	Plinth Area / Quantity	Unit	Rates			Amount (Rs.)	Remarks
				1	2	3		
26	Working of 100mm thick concrete floor of 1000mm x 1000mm size. One roller with glass and cover, one paper, paper, roller, one soap dish, one double hook, etc complete in all respects as approved by the Engineer incharge.	5500	Each	5.500			RS. 11000/- Analysis attached	
25	Construction of frame	1.000	P. Sft	54.600			RS. 54600/- Analysis attached	
27	Construction of front single window elevation	1.000	P. Sft	33.400			RS. 33400/- Analysis attached	
28	Construction of RCC Block for MRB room	1.000	P. Sft	108.200			RS. 108200/- Analysis attached	
29	Revaning of RCC Block for MRB room	0.475	Sft	0.47	65	60	477 P Sft RS. 1641208/- Area Rates for 2nd Biannual 2021 Based on Plinth	
3	Providing and laying of Forceline full body tiles 600-mmx600-mm EMV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2" thick cement plaster 1:2 w/c white cement, pigment and sealer for finishing the joints w/c grinding where necessary complete in all respects and as approved by the Engineer incharge.	3024	Sft	281			281 P Sft RS. 849744/- Analysis attached	
3	Providing and laying of Forceline full body tiles 600-mmx600-mm EMV series Polished or Equivalent, class SB flooring of approved Color and Shade laid over 1/2" thick cement plaster 1:2 w/c white cement, pigment and sealer for finishing the joints w/c grinding where necessary complete in all respects and as approved by the Engineer incharge.	281	P Sft	281			281 P Sft RS. 144087/- Analysis attached	
4	Providing and laying of Prepolished Marble slab using Verona Crystal having uniform texture full width spotless for stair tread / shelves area above 4-Sft thick bedded in white cement pigment over over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	123	Sft	495			495 P Sft RS. 60885/- Analysis attached	
4	Providing and laying of Prepolished Granite 3/4" thick Red Robby full width to bedding of approved quality and shade laid in cement over on 1/2" cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	28	Sft	1440			1440 P Sft RS. 109440/- Analysis attached	
5	Providing and laying of Prepolished Granite 1/2" thick Red Robby full width to bedding of approved quality and shade laid in cement over on 1/2" cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	110	Sft	836			836 P Sft RS. 102960/- Analysis attached	

Sl No	Description of Items	Plinth Area	Quantity	Rate	Total	Unit	Amount (Rs.)	Remarks	Rates				
									1	2	3	4	
497	Prepared and fixing of Gypsum Board (one side laminated) of size 600mm x 500 mm x 9.10 mm over aluminum Tees 1" x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversely & aluminum angle of size 1" x 1" at corners including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc complete in all respects as approved by the Engineer incharge		196	196		P.SH	Rs. 97412/-	Analysis attached					
498	Providing and fixing of false ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 500 mm x 9.10 mm over aluminum Tees 1" x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversely & aluminum angle of size 1" x 1" at corners including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross joints etc complete in all respects as approved by the Engineer incharge		196	196		P.SH	Rs. 408208/-	Analysis attached					
499	Providing and fixing of PVC wall paneling 3/8" thick having groove slip 12" wide double layer each layer 2mm thick wall paneling of best quality PVC border complete in all respects and as approved by the Engineer incharge		110	110		P.SH	Rs. 592130/-	Analysis attached					
541	Providing and fixing tempered glass for compartment of aluminum frame sections 2mm thick (Pakistan Cabies Made) PVC 12mm thick tempered glass rubber gasket using approved standard latches, angle joint and hardware etc complete in all respects as approved by the Engineer incharge		1850	1850		P.SH	Rs. 1000850/-	Analysis attached					
11	Providing and fixing UPVC Doors 38mm thickness PVC Delux matching color UPVC frame matt or glossy finish having color white-Clay Made Gray Oak Wood Dark Oak Wood, Coffee white-Clay Honey Pine Wood-Venegey-Venly Spk-Incoron Brown-Honey Oak) in all accessories except joints complete in all respects as approved by the Engineer incharge		720	720		P.SH	Rs. 102200/-	Analysis attached					

Sl. No.	Description of Items	Plinth Area	H.F.	Part	Structure	Rate	Qty	Amount (Rs.)	Remarks
12	Supply and erection of LED Lamp 7-Watt (Philips)						1970	Rs. 98500/-	Analysis attached
13	Supply and erection of LED Lamp 7-Watt (Philips)						450	Rs. 5400/-	Analysis attached
14	Supply and erection of LED Lamp 7-Watt (Philips)						20700	Rs. 41400/-	Analysis attached
15	Supply and erection of LED Lamp 7-Watt (Philips)						2800	Rs. 11200/-	Analysis attached
16	Supply and erection of LED Lamp 7-Watt (Philips)						1970	Rs. 98500/-	Analysis attached
17	Supply and erection of LED Lamp 7-Watt (Philips)						450	Rs. 5400/-	Analysis attached
18	Supply and erection of LED Lamp 7-Watt (Philips)						20700	Rs. 41400/-	Analysis attached
19	Supply and erection of LED Lamp 7-Watt (Philips)						2800	Rs. 11200/-	Analysis attached
20	Supply and erection of LED Lamp 7-Watt (Philips)						1970	Rs. 98500/-	Analysis attached
21	Supply and erection of LED Lamp 7-Watt (Philips)						450	Rs. 5400/-	Analysis attached
22	Supply and erection of LED Lamp 7-Watt (Philips)						20700	Rs. 41400/-	Analysis attached
23	Supply and erection of LED Lamp 7-Watt (Philips)						2800	Rs. 11200/-	Analysis attached

12 Providing and fixing aluminium shutter consisting of 15 mm thick both side glazed PVC Coated sheet with PVC tape duly hot pressed all around the door/panel and brass hinges C.P handles china lock & catcher, screws, rawal plug, etc cost of Drawers and locking arrangement complete as approved and directed by the Engineer incharge

13 Providing and fixing approved quality hydroalric door closer Japan made complete

14 Providing and fixing approved quality hydroalric door closer Japan made complete

15 Providing and fixing approved quality hydroalric door closer Japan made complete

16 Providing and fixing approved quality hydroalric door closer Japan made complete

17 Providing and fixing approved quality hydroalric door closer Japan made complete

18 Providing and fixing approved quality hydroalric door closer Japan made complete

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21 Providing and fixing approved quality hydroalric door closer Japan made complete

22 Providing and fixing approved quality hydroalric door closer Japan made complete

23 Providing and fixing approved quality hydroalric door closer Japan made complete

14 Providing and fixing aluminium shutter consisting of 15 mm thick both side glazed PVC Coated sheet with PVC tape duly hot pressed all around the door/panel and brass hinges C.P handles china lock & catcher, screws, rawal plug, etc cost of Drawers and locking arrangement complete as approved and directed by the Engineer incharge

15 Providing and fixing approved quality hydroalric door closer Japan made complete

16 Providing and fixing approved quality hydroalric door closer Japan made complete

17 Providing and fixing approved quality hydroalric door closer Japan made complete

18 Providing and fixing approved quality hydroalric door closer Japan made complete

19 Providing and fixing approved quality hydroalric door closer Japan made complete

20 Providing and fixing approved quality hydroalric door closer Japan made complete

21 Providing and fixing approved quality hydroalric door closer Japan made complete

22 Providing and fixing approved quality hydroalric door closer Japan made complete

23 Providing and fixing approved quality hydroalric door closer Japan made complete



Sr. No.	Description of Items	Plinth Area	Q.P.	Unit	Amount (Rs.)	Remarks
1	Providing and laying of Verona Crystal having uniform texture full width spotless for stall tread / shelves area above 4-SH i/c bevelling laid in white cement pigment over 3/4" thick bedding of cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	19	SI	425	P SH	Rs. 8075/- Analysis attached
2	Providing and fixing M.S. Sq Bar 3/8" @ 4' c/c gull including including painting 3 coat complete in all respects including laying of Porcelain full body tiles 600-mmx600-mm DWV series Polished or Equivalent, class SB skirting/dado of Color and Shade laid over 1/2" thick cement plaster 1:2 i/c white cement pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	281	SI	875	P SH	Rs. 245875/- Analysis attached
3	Providing and laying of Ceramic tile size 12"x18" i/c 1:2 approved Color and Shade laid over 3/4" thick cement plaster 1:2 i/c white cement pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	196	SI	196	P SH	Rs. 32928/- Analysis attached
4	Providing and laying of Prepolished Marble slab China Japan made complete	2	sq	3000	Each	Rs. 13200/- Analysis attached
5	Providing and fixing M.S. Flat 1"x1/8" (6-Nos) for door fasten welded/screwed 4" (100mm) long iron hinges including fitting 1/4"x1/8" (7-Nos) i/c 9" M.S. Flat 1"x1/8" for door fasten	21	SI	276	P SH	Rs. 7500/- Analysis attached
6	Providing and fixing M.S. Sheet narrow pressure frame of doors 1/4"x1/8" (7-Nos) i/c 9" M.S. Flat 1"x1/8" for door fasten welded/screwed 4" (100mm) long iron hinges including fitting 1/4"x1/8" (7-Nos) i/c 9" M.S. Flat 1"x1/8" for door fasten	13	SI	310	Each	Rs. 14600/- Analysis attached
7	Providing and fixing M.S. Sheet narrow pressure frame of doors 1/4"x1/8" (7-Nos) i/c 9" M.S. Flat 1"x1/8" for door fasten welded/screwed 4" (100mm) long iron hinges including fitting 1/4"x1/8" (7-Nos) i/c 9" M.S. Flat 1"x1/8" for door fasten	2	sq	3000	Each	Rs. 13200/- Analysis attached
8	Providing and laying of Ceramic tile size 12"x18" i/c 1:2 approved Color and Shade laid over 3/4" thick cement plaster 1:2 i/c white cement pigment and sealer for finishing the joints i/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	196	SI	196	P SH	Rs. 32928/- Analysis attached

Sl. No.	Description of Items	Plant Area	P.P.	Quantity	Unit	Amount (Rs.)	Remarks
12	Providing and fixing of false ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600 mm x 9.10 mm over aluminum Tees 1" x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversely & aluminum angle of size 1" x 1" at corners, including all accessories such as steel hanging wire, hooks, screws, nails, level pins, cross level, etc. complete in all respects and as approved by the Engineer Incharge.	1176	SH	100	P.SH	117600	Rs. 117600/- Analysis attached
13	Providing and fixing PVC wall paneling 3/8" thick having grooved top 1/2" wide double layer with 1/2" thick wall paneling in all respects and as approved by the Engineer Incharge.	330	SH	110	P.SH	36300	Rs. 36300/- Analysis attached
14	1/4" Stainless steel plate for safety of corners etc complete in all respects.	90	RH	350	P.RH	350	Rs. 31500/- Analysis attached
15	1/4" sign board 5mm thick glass w/c graving letters and fixing with screws complete.	30	SH	750	P.SH	750	Rs. 22500/- Analysis attached
16	Laguer polishing after preparing smooth surface complete for working glass finished surface.	187	SH	66.30	P.SH	66.30	Rs. 12398/- Analysis attached
17	Supply and erection of LED Lamp 40-watt (Philips)	30	NO	1970	EACH	1970	Rs. 591.00/- Analysis attached
18	Supply and erection of LED Lamp 20-watt (Philips)	2	NO	490	EACH	490	Rs. 31.75/- Analysis attached
19	Supply and erection of LED Lamp 70-watt (Philips)	2	NO	20700	EACH	20700	Rs. 11100/- Analysis attached
20	Providing and fixing at site of weak Exhaust fan 12" sweep (Material made of PakYounas, F.C. or equivalent approved make to cost of necessary cable for connection from ceiling rose and shutter complete)	3	NO	2800	EACH	2800	Rs. 800/- Analysis attached
196	approved color and shade and anti-rust cement plaster w/c white cement, pigment and sealer for finishing the joints w/c cutting grinding where necessary complete in all respects and as approved by the Engineer Incharge.	650	SH	196	P.SH	196	Rs. 127400/- Analysis attached
197	Providing and laying 1/2" thick Red Ebony cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	143	SH	936	P.SH	936	Rs. 13348/- Analysis attached
198	Providing and laying 1/2" thick Red Ebony cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	143	SH	1440	P.SH	1440	Rs. 93120/- Analysis attached
199	Providing and laying 1/2" thick Red Ebony cement over 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	143	SH	936	P.SH	936	Rs. 13348/- Analysis attached



Sl. No.	Description of items	Plant Area / Quantity	Rate	Total	Unit	Amount (Rs.)	Remarks	Found		P.H.	E.I.	S.G.
								Frame	Structure			
22	2 Nos. complete in all respects as approved by the Engineer incharge.	18000	18000	18000	Each	RS. 36000/-	Analysis attached					
23	2 Nos. complete in all respects as approved by the Engineer incharge.	6500	6500	6500	Each	RS. 13000/-	Analysis attached					
24	7 Nos. complete in all respects as approved by the Engineer incharge.	3500	3500	3500	Each	RS. 5000/-	Analysis attached					
25	2 Nos. complete in all respects as approved by the Engineer incharge.	5500	5500	5500	Each	RS. 11000/-	Analysis attached					
26	2 Nos. complete in all respects as approved by the Engineer incharge.	67800	67800	67800	P. Job	RS. 67800/-	Analysis attached					
27	1 Job complete in all respects as approved by the Engineer incharge.	3354000	3354000	3354000	P. Job	RS. 3354000/-	Analysis attached					
28	1 Job complete in all respects as approved by the Engineer incharge.	43261152	43261152	43261152								
TOTAL (Rs.) =								47566057				
On Rs. 42560052												
On Rs. 2128303												
TOTAL (Rs.) =								45971337				
SAY (Rs.) =								45,971,000				
OR (Rs.) =								45,971 (M)				

**Executive Engineer,**  
**Barrages Division No.2,**  
**Barhwalpur,**  
**Supra, Barhwalpur.**

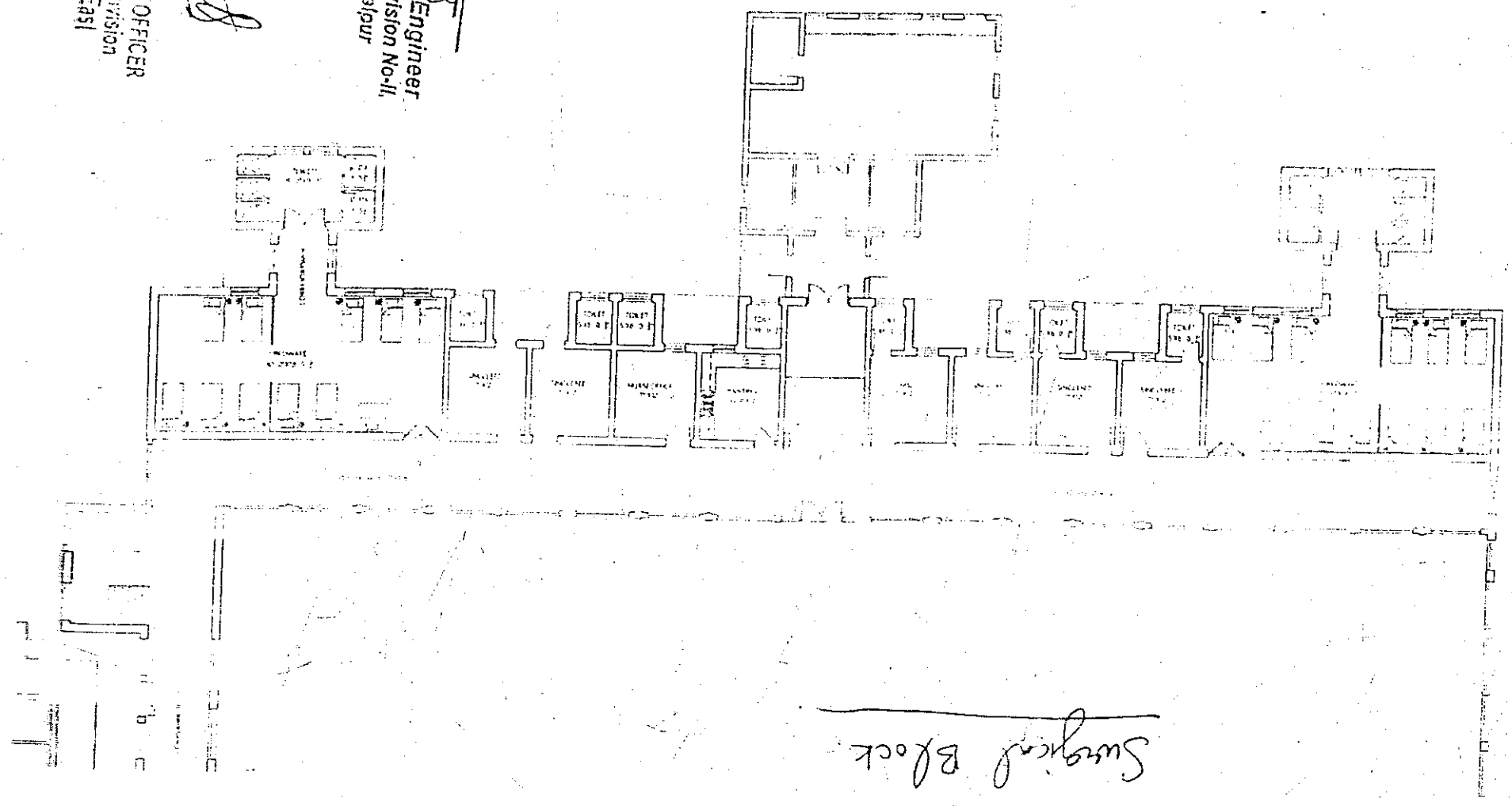
**Supra, Barhwalpur,**  
**Barhwalpur,**  
**Barhwalpur.**

**Barhwalpur,**  
**Barhwalpur,**  
**Barhwalpur.**

#17

10-10-74  
SECTY OFFICER  
Saharajpur Division  
Ahmednagar East

Executive Engineer  
Buildings Division No-II,  
Saharajpur



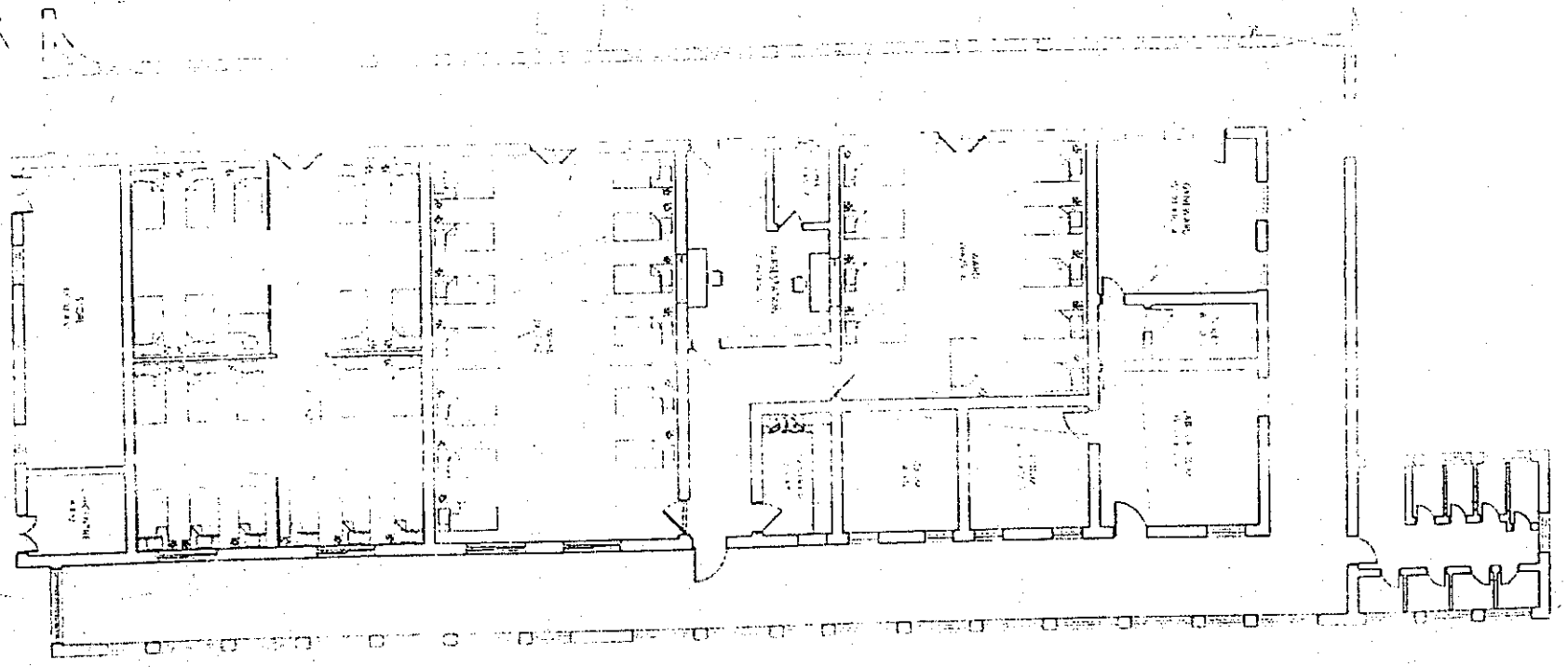
Surgical Block

# Gyne Block

147X

*[Signature]*  
NATIONAL FINES  
BUILDINGS SUB DIVISION  
1000 PINE ST

*[Signature]*  
Executive Engineer  
Buildings Division No-II  
Bahawalpur



**8. ANNUAL OPERATING COST (POST COMPLETION)**

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010093  
**A/C To be Credited:**Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010093  
**A/C To be Credited:**Account-I

PKR Million

Sr #	Object Code	2023-2024		2024-2025		2025-2026		2026-2027		2027-2028	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010093  
**A/C To be Credited:**Account-I

PKR Million

Sr #	Object Code	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
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		<b>Local</b>	<b>Foreign</b>	<b>Local</b>	<b>Foreign</b>	<b>Local</b>	<b>Foreign</b>	<b>Local</b>	<b>Foreign</b>	<b>Local</b>	<b>Foreign</b>
<b>1</b>	<b>A05270</b> -To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>2</b>	<b>A12403</b> -Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## **9. DEMAND AND SUPPLY ANALYSIS**

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

## **10. FINANCIAL PLAN AND MODE OF FINANCING**

### **10.1 FINANCIAL PLAN EQUITY INFORMATION**

### **10.2 FINANCIAL PLAN DEBT INFORMATION**

undefined

### **10.3 FINANCIAL PLAN GRANT INFORMATION**

attached

## 9. FINANCIAL PLAN AND MODE OF FINANCING

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

### Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
<b>Funds Released</b>	<b>8.300</b>	<b>8.140</b>
<b>Utilization</b>	<b>8.226</b>	<b>1.450</b>

### Capital Side:

	FY 2021-22	FY 2022-23
<b>Funds Released</b>	<b>0.000</b>	<b>15.000</b>
<b>Utilization</b>	<b>0.000</b>	<b>0.000</b>

**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 IMPACT:**

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

#### **EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)**

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

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

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

### **11.3 PACT ANALYSIS**

undefined

### **11.4 ECONOMIC ANALYSIS**

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

### **11.5 FINANCIAL ANALYSIS**

#### **FINANCIAL BENEFITS & ANALYSIS**



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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### 11.1.1 FINANCIAL IMPACT:

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

#### 11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

## 12. IMPLEMENTATION SCHEDULE

## **12.1 IMPLEMENTATION SCHEDULE/GANTT CHART**

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

## **12.2 RESULT BASED MONITORING (RBM) INDICATORS**

undefined

## **12.3 IMPLEMENTATION PLAN**

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.

## **12.4 M&E PLAN**

undefined

## **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

undefined

## 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

## 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

## 15. CERTIFICATE

**Focal Person Name:**Mr. KHIZAR HAYAT

**Designation:**Project Director, PMU P&SHD

**Email:**

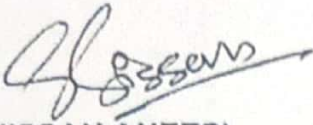
**Tel. No.:**

**Fax No:**

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

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

Prepared By:

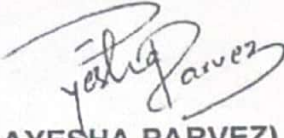


(HISSAN ANEES)  
DIRECTOR PLANNING & HR, PMU,  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)



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

Checked By:



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



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

Approved By:



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

