



PC-1

Balance Work of Revamping of DHQ Hospital Muzaffargarh

ORIGINAL APPROVED COST	PKR Million. 153.074/-
ORIGINAL APPROVED GESTATION	43 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Muzaffargarh

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. MUZAFFARGARH

2.2. TEHSIL(S)

I. MUZAFFARGARH

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5354
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: The scheme will be financed out of block scheme included in ADP 2022-23 at G.S. No. 660 with an allocation of Rs.1300 million

5. PROJECT OBJECTIVES

attached

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

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

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

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

Total area of the DHQ Hospital Muzafargarh:	119,798 SFT
Area completed:	79,055 SFT
Area Not taken up:	40,743 SFT
External Development and Electrification:	Not Executed

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

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

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

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

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

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

5.3.3.1 ICU

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

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

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

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

5.3.3.4 BURN UNIT

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

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

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

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

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

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

5. Monitoring effective load sharing of Human resource and equipment within hospitals.
6. Addition of new HR/ rationalization on requirement of MSDS indicator compliance for effective departmental organization and their planned trainings by MPDD, UHS ETC
7. Standard optimization of Standard operating procedures and methods for their effective adoption by hospital human resource.
8. We have also extended our MSDS implementation in 20 more departments such as dentistry, ICU, ccu, Dialysis, mortuary, burn unit, physiotherapy, orthopedics, medicine, nursing, 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.

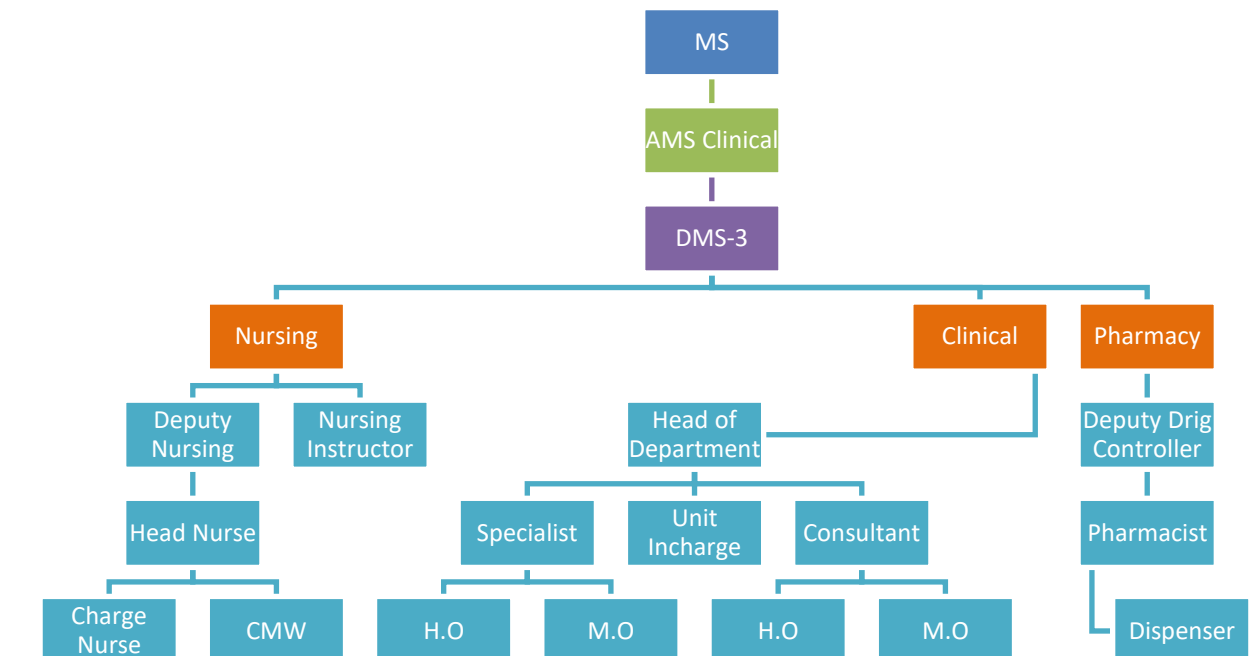
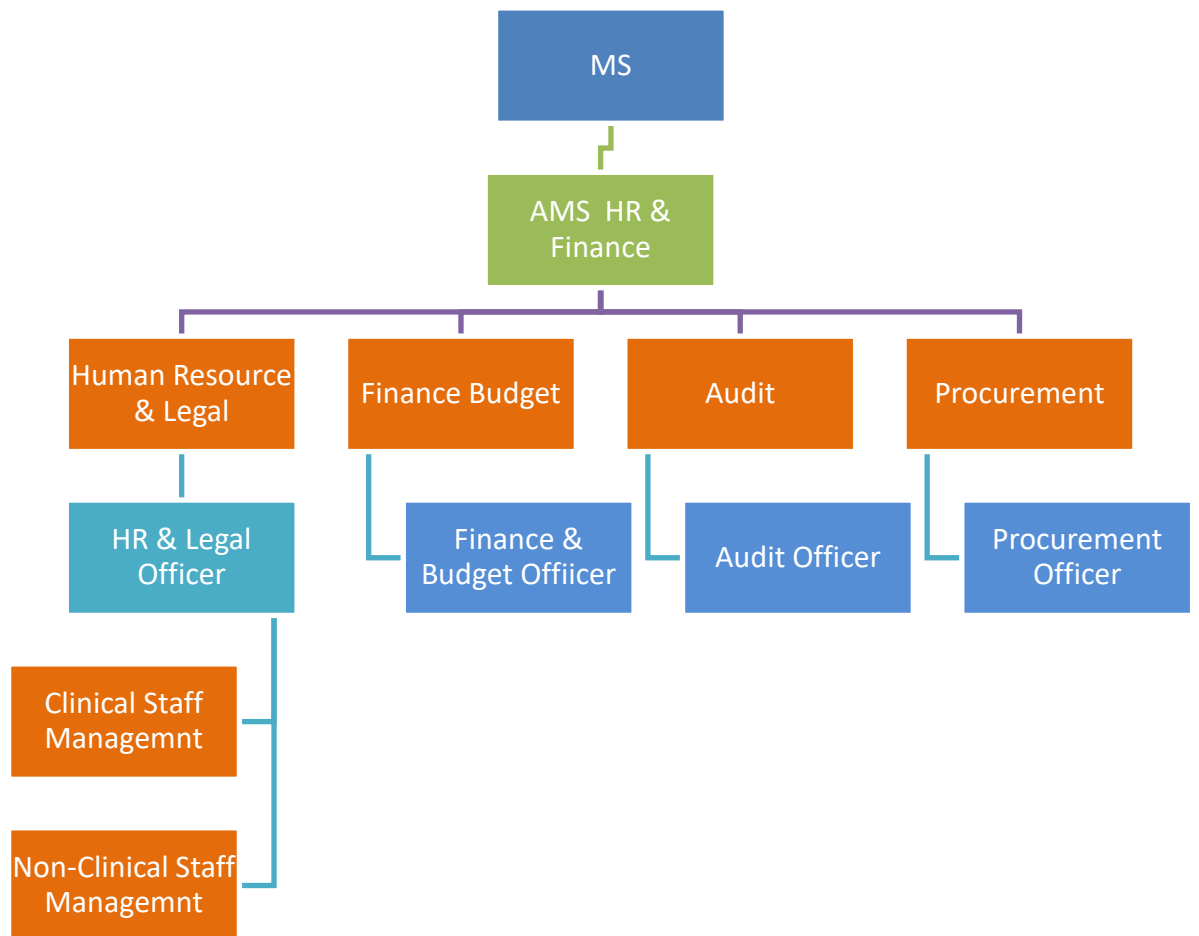
5.7.4 EMR and Networking

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 83rd PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab:

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

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

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

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

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

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

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

5.8.2.1 HR / Legal Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

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

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

Eligibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eligibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

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

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

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

OR

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

2. Minimum 1 year post degree relevant professional experience.

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

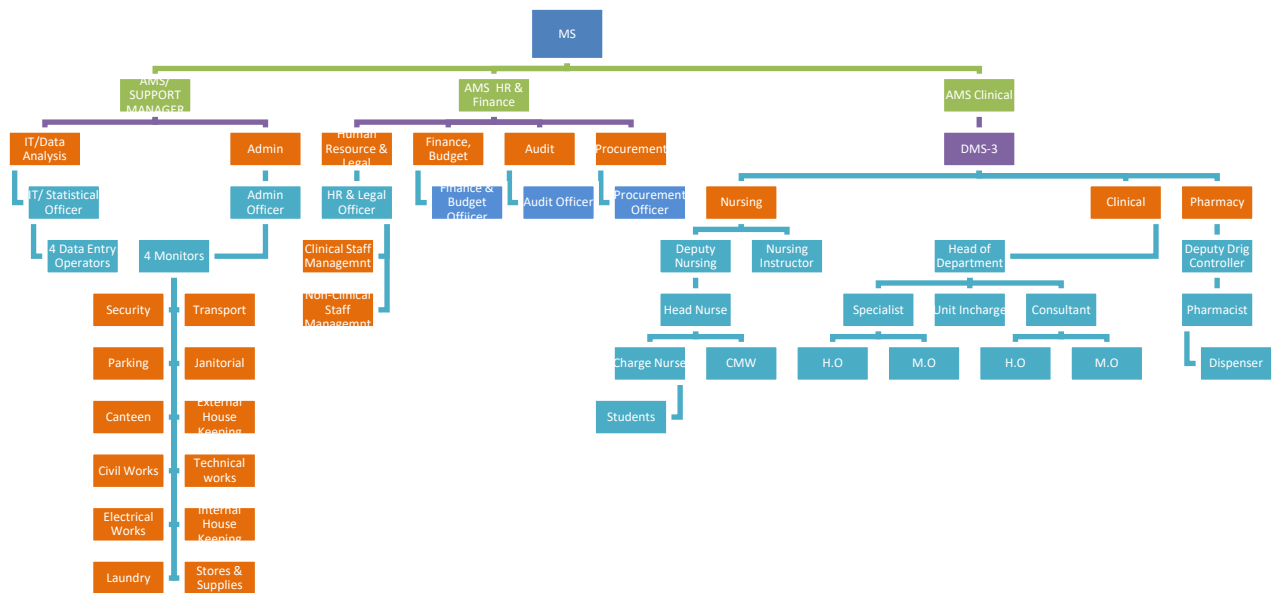
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

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

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

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

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

5.9 RELATIONSHIP WITH SECTORAL OBJECTIVES

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

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

5.10 PATIENT MANAGEMENT PROTOCOL

5.10.1 EMERGENCY:

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

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

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

5.10.2 O.P.D:

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

5.10.3 DEATH OR END OF LIFE MANAGEMENT.

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

modifications are decided in the relevant department for each patient.

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

5.10.4 INVENTORY CONTROL SYSTEM

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

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

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

5.10.5 PROJECT MONITORING COMMITTEE

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

6. DESCRIPTION, JUSTIFICATION AND TECHNICAL PARAMETERS

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of District Muzaffargarh is more than 4.34 million. The area of the DHQ Hospital Muzaffargarh is 1607514 SFT land.

6.1 DESCRIPTION AND JUSTIFICATION

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

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

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

JUSTIFICATION FOR REVISION OF PC-I

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

PDWP in its meeting held on 36-03-2021 and DDSC meeting held on 29-04-2021. Sub-schemes of all DHQ & 15 THQ Hospitals were concluded.

Thereafter it was decided to complete the balance civil work of revamping through C&W Department and a block scheme titled "Balance Work of Revamping of all DHQ/15 THQ Hospitals in Punjab" was included in ADP 2021-22. Accordingly, the Rough Cost estimates of balance civil work has been got prepared from the Punjab Buildings Department for preparation of PC-Is and were approved from the DDSC. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 143.775 million to Rs. 100.243 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

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

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

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

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

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

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

given

below



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:LO21010538
A/C To be Credited:Assan Assignment

PKR Million

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

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010088
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	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
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

Abstract of Cost

Name of DHQ Hospital	Muzzafargarh					
Scope of work	Original			1st Revised		
	Capital	Revenue	Total	Capital	Revenue	Total
Capital component						
Internal Development	66.058	0.000	66.058	81.659	0.000	81.659
External Development	74.244	0.000	74.244	18.584	0.000	18.584
Water filtration plant	3.473	0.000	3.473	0.000	0.000	0.000
Total Capital Component	143.775	0.000	143.775	100.243	0.000	100.243
Revenue component						
Human resource (HR) plan	0.000	25.440	25.440	0.000	52.831	52.831
Total Revenue component	0.000	25.440	25.440	0.000	52.831	52.831
Total	143.775	25.440	169.215	100.243	52.831	153.074
Grand Total	143.775	25.440	169.215	100.243	52.831	153.074

Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for all Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
AUDIT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
Sub Total of HR Model	17		1,060,000	25,440,000	17		1,059,000	1,401,000	43,431,000
				25.440					43.431
Utilization of HR Component				9.400					
									52.831



BUILDINGS CIRCLE **DERA GHAZI KHAN**

BUILDINGS DIVISION
MUZAFFARGARH

REVISED ROUGH COST ESTIMATE FOR THE
BALANCE WORK OF REVAMPING OF ALL DHQ /
15 THQ HOSPITALS IN PUNJAB ONE AT DHQ
MUZAFFARGARH . ADP NO. 660 FOR YEAR
2022-23 (ON DETAILED BASIS)

RECEIVED & ENTERED	
Diary No.:	6/96
Date:	10-11-2022
PM/PO I&C:	
PMU, PSSHD	
Deputy PO	
Finance & Admin	
Procurement	
Outsourcing	
Infrastructure	
Planning & HR	
ICT	
Operations	
Health	
Legal	
I & C	
BERC	
MARKING	
SIGNATURES	

100.243(M)

+53.997

+37.207

Amount Rs : 138.492 (M)

BUILDINGS SUB DIVISION MUZAFFARGARH

PROVINCE: -

PUNJAB

CIRCLE:

BUILDINGS CIRCLE
DERA GHAZI KHAN

DIVISION:

BUILDINGS DIVISION
MUZAFFARGARH

SUB DIVISION:

BUILDINGS SUB DIVISION
MUZAFFARGARH

NAME OF WORK:

REVISED ROUGH COST ESTIMATE
FOR THE BALANCE WORK OF
REVAMPING OF ALL DHQ / 15 THQ
HOSPITALS IN PUNJAB ONE AT DHQ
MUZAFFARGARH . ADP NO. 660 FOR
YEAR 2022-23 (ON DETAILED BASIS)

MAJOR HEAD:

MINOR HEAD:

Amount:

100.243 (M)
~~+33.997~~
~~137.207~~
Rs : ~~138.492~~ (M)

REVISED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ MUZAFFARGARH . ADP NO. 660 FOR YEAR 2022-23 (ON DETAILED BASIS)

HISTORY:

Revamping of DHQ Muzaffargarh has previously been done by IDAP back in year 2019-2020. IDAP has done Revamping of some portion of DHQ buildings internally. 07 Blocks, Sewerage up gradation, External Wiring of whole DHQ and roof treatment work is still needed on site. The estimate of said scheme was prepared and approved by the competent authority during financial year 2021-22 but funds of said scheme was not released by the competent authority and scheme was not tendered during that financial year. For remaining works a joint visit of project management unit (primary and secondary health care department) team and representative of communication and works department has been conducted to finalise scope of work on 04 August 2022. The minutes of that visit were received on 16 August 2022 which includes detailed scope of the project. This Revised Rough cost estimate has been prepared on the basis of minutes of meeting issued by project management unit (Primary & Secondary Health Care Department) on 16.08.2022. The estimate has been prepared on detail basis which include Tile work, painting & distempring, replacement of doors & windows, roof treatment, internal & external electrification, & external development. *the estimate has been prepared on detail basis which include Tile work, painting & distempring, replacement of doors & windows, roof treatment, internal & external electrification, & external development.*

From the meeting of the project management unit (primary and secondary health care department) team and representative of communication and works department has been conducted to finalise scope of work on 04 August 2022. The minutes of that visit were received on 16 August 2022 which includes detailed scope of the project.

Hence, this Rough Cost estimate amounting to Rs : ~~138.492 (M)~~ *137.207* is prepared on basis of MRS/Plinth Area rates 2nd BI-Annual 2022 for District Muzaffargarh for arranging funds and administrative approval from the competent authority. *100.243 (M)*

DESIGN AND SCOPE:

1	OPERATION THEATER	1 Job
2	MEDICAL WARD	1 Job
3	INDOOR BLOCK	1 Job
4	DIALYSIS UNIT	1 Job
5	DIAGNOSTIC BLOCK	1 Job
6	NEW OPD	1 Job
7	PSYCHIATRISTS BLOCK	1 Job
8	EXTERNAL WIRING IN DHQ	1 Job
9	EXTERNAL DEVELOPMENT	1 Job

DESIGN:

The work will be got executed in accordance with the Buildings Department's specifications and to the entire satisfaction of the Engineer incharge, after observing all codal formalities.

SPECIFICATION/ CARRYING OUT OF WORK:

The work will be carried out according to building department specifications with latest edition through the approved contractors of C & W Department after calling tenders on competitive grounds.

RATES:

The estimate is based on MRS/Plinth Area Rates 2nd BI-Annual 2022 for Muzaffargarh District circulated by the Finance department, Punjab.

LAND:

Land will be provided by the client Department.

COST:

The total cost of this project comes to Rs : ~~138.492 (M)~~ *137.207*

TIME LIMIT:

It will take about (18) months to complete the work from the date of actual commencement of the work on the provision of funds.

[Signature]
Executive Engineer
Buildings Division
Muzaffargarh

COMPARATIVE STATEMENT

REVISED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ MUZAFFARGARH. ADP NO. 660 FOR YEAR 2022-23 (ON DETAILED BASIS)

Sr No	CHAP/ITEM	DESCRIPTION	AS PER APPROVED ROUGH COST 2ND BI-ANNUAL 2021				AS PER REVISED ROUGH COST 2ND BI-ANNUAL 2022				DIFFERENCE	
			QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
"A" STANDARDIZED ITEMS												
		EARTHWORK (EXCAVATION & EMBANKMENT)										
1	3/13	Rehandling of earthwork:- a) Lead upto a single throw of Kassi, phaoorah or shovel.	19125.00	%oCft	1914.00	36605	12539.88	%oCft	2539.70	31848		4757
2	3/15	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside, lead upto ONE mile	0.00	%oCft		0	4736.28	%oCft	15777.65	74727	74727	
3	3/21	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) ii) in ordinary soil.	0	%oCft		0	2520	%oCft	10877.75	26905	26905	
4	3/42	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	42600	%oCft	6683.30	284709	0	%oCft		0		284709
DISMANTLING												
1	4/13	Dismantling brick work in lime or cement mortar.	87	%Cft	3253.80	2831	478	%Cft	4317.45	20643	17812	
2	4/16	Dismantling mud concrete.	0	%Cft		0	319	%Cft	2031.75	6481	6481	
3	4/16	Dismantling brick or flagged flooring without concrete foundation	0	%Cft		0	954	%Cft	863.50	8238	8238	
4	4/19	c) Dismantling cement concrete 1:2:4plain.	7419	%Cft	8421.60	624799	4089	%Cft	11174.60	456929		167870
5	4/20	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	5417	%Cft	13780.80	746506	3018	%Cft	18285.70	551862		194644
6	4/22	b) Dismantling 2nd class tile roofing.	9803	%Sft	957.00	93815	37657	%Sft	1,269.85	478191	384376	
7	4/32	a) Removing door with chowkat.	49	Each	331.65	16251	155	Each	438.00	67890	51639	
8	4/32	b) Removing windows and sky lights with chowkat	76	Each	258.70	19661	245	Each	341.50	83668	64007	
9	4/48	Removing old cement or lime plaster.	0	%Sft		0	19446	%Sft	423.30	82315	82315	
10	4/50	Dismantling glazed or encaustic tiles, etc.	0	%Sft		0	65751	%Sft	2335.85	1535855	1535855	
CONCRETE												
1	6/2	Dry rammed Brick or stone ballast 1-1/2" to 2" gauge in foundation and plinth.	0	%Cft		0	645	%Cft	8891.5	57386	57386	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 6:12	2835	%Cft		351265	0	%Cft		0		
3	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):- (f) Ratio 1: 2: 4	9263.0	%Cft	12390.30	2321948	4221.3	%Cft		1609433		351265
4	6/6	Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)	7002	P-Cft	25066.80	28988	5452	P-Cft	38126.10			712515
5	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	2318.69	P-Cft	414.00		1696.00	P-Cft	556.50	3034038	3005050	
6	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	29053	% Kgs	302.95	702446	21379	% Kgs	457.75	776344	73898	
7	0	Fabrication of Heavy steel work with angle, Tee, flat iron, round iron, & sheet iron for making Trusses etc i/c cutting, drilling, rivetting, Handling, Assembling etc w/out erection in position	389	% Kgs	19998.35	5810035			31420.10	6717397	907362	
		BRICK WORK			20958.35	81632						81632
1	7/4	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6	0	%Cft		0	2369	%Cft	28578.7			
2	7/5	Pacca brick work in ground floor:- i) cement, sand mortar:- i) Ratio 1:6	262	%Cft	22022.45	57699	2869	%Cft	30762.50	677101	677101	
3	7/7	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:4	10990	%Sft	22166.4	2436087	4192	%Sft	31336.3	882559	824860	
4	7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	912	%Cft	24168.25	220414	0	%Cft		1313716		1122371.738
5	7/30	Supplying and filling sand under floor; or plugging in wells.	0	%Cft		0	193	%Cft		0		220414.44
6		ROOFING							2,823.30	5449	5449	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
7	9/5	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. Ground Floor	9803	%Sft	7924.05	776795	38266	%Sft	11162.25	4271379		
8	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	16	Each	604.25	9668	41	Each	854.35	35028	3494584	
9	9/45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position. complete in all respect. b)1-1/2" thick	0	%sft		0	37657	%sft	9,459.55	3562210	25360	
10	9/48	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 1½" x 1" and 1½" 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	55414	P.sft	105.00	5818470	0	P.sft	99.85	0	3562210	
11		FLOORING										5818470
12	10/3	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	0	%Cft		0	193	%Cft	9284.40	17919		
13	10/42	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) b) Half body Tile d) (Non-Skid Chequered Tiles) 300mmx300mm	0	P-Sft		0	520	P-Sft	211.55		17919	
14	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels:- a) size 1½"x 3/8" (40 mm x 10 mm)	0	P-Rft		0	102	P-Rft	19.80	110006	110006	
										2010	2010	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
15	10/50	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. (i) 3/4" thick	0	P-Rft			1245	P-Rft	1308.95			
		SURFACE RENDERING				0				1629643	1629643	
1	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- b) 1/2" (13 mm) thick	30837	%Sft	2306.40		19446	%Sft	3241.60	630366		
2	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3	13665	%Sft		711225	0	%Sft			80859	
3	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) 1/2" (13 mm) thick	2787	%Sft	2631.90	359649				0		359649
4	11/18	Cement pointing struck joints, on walls, upto 20 ft a) 1:2	0	%Sft	2220.00	61871	8077	%Sft	3092.10	249745	187874	
5	11/31	Extra cost of labour and material for red oxide pigment incement pointing to match with the colour of bricks.	0	%Sft		0	4914	%Sft	3516.15	172778	172778	
		WOOD WORK				0	4102	%Sft	652.50	26764	26764	
1	12/17	Providing and fixing 2" wide MS/ GI Chowkat singel/double rebare made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide	0	P-Sft			1668	P-Sft	727.05			
2	12/28	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C.windows, including holdfast, etc.c)Shisham wood	0	P-Sft		0	55	P-Sft	825.85	1212719	1212719	
3	12/45	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	0	P-Sft		0	247	P-Sft	205.70	45628	45628	
4	12/48	Providing and fixing 1 1/2" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- i) M.S. angle iron 1 1/2"x1 1/2"x3/4", welded (40 mm x 40 mm x 6mm) with M.S. flat 2"x3/4" (50 mm x 6 mm)	263	P-Sft	1055.80		55	P-Sft	1527.50	50795	50795	
						277675				84394		193281

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
5	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	0	P-Sft			1538	P-Sft	678.55			
6	12/54	Providing and fixing M.S. flat ¾"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	990	P-Sft	317.00		0	P-Sft	492.20	1043822	1043822	
7	0	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				313830	3283	P-Sft	854.85	0		313830
		PAINTING AND VARNISHING								2806438	2806438	
1	13/4	Painting old surfaces:- c) Painting doors and windows, any type: 3 Coats	0	%Sft			1201	%Sft	1667.55			
2	13/32	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: a) new surface: ii) two coats	0	%Sft			30661	%Sft	4,612.80	20019	20019	
3	13/32	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: a) OLD surface: ii) 2ND coats	4725	%Sft	3,116.00		4036	%Sft	1925.45	1414309	1414309	
4	13/31	Preparing surface and painting with emulsion paint:- Three Coats	49061.00	%Sft	2200 75	1079710	139718.39	%Sft	3167 6	77711		69520
1	18/17	ROAD Providing and laying expansion joint of neoprine strip 4"x¼"(100 mmx 6 mm) and plastic bitumen.	0.00				382.00	P.Rft	389.10			
2	0	Earth work in ordinary soil for embankment including ploughing and mixing with blade grade or disc harrow or other suitable equipment and compaction by mechanical means at optimum moisture content and dressing to designed section complete in all respect compacted up to 95% to 100% maximum modified AASHO dry density. lead 1 Mile	187015.00	%O Cft	9947.05	1860248				148636	148636	
												1860247.556

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
3	0	Providing and laying Sub Base Course of crushed stone aggregate 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 Complete in all respect. (Analysis attached)	26120.00	% Cft	8472.71	2213072						
4	0	Providing and laying road edging 3" wide & 9" deep brick on end complete in all respect. (Chapter # 18 & Item # 05)	6530.00	Per Rft	38.95	254344						2213071.852
5	0	Providing and laying water bound macadam Base Course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, i/c placing mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHTO dry density, including carriage of all materials to site of work complete in all respects. (Analysis attached)	34826.67	% Cft	10709.23	3729666						254343.5
6	0	Providing priming coat using 10Lbs kerosene oil and 10Lbs binder for %Sft area complete in all respect. (Chapter # 18 & Item # 06)	52240.00	% Sft	877.30	458302						3729666.442
7	0	Providing and laying plant premixed bituminous carpet including compaction and finishing to required camber grade and density 2" thick 4.5% bitumen complete in all respect. (Analysis attached)	52240.00	% Sft	8277.37	4324100						458301.52
8	0	Painting traffic lane 5" thick T.P Paint complete in all respect.	8706.67	P. Rft	31.65	275566						4324099.812
9	0	Providing and fixing cat ayes of size 4"x4"x3/4" of approved quality and shape etc complete in all respect (Bio Directional)	653.00	Each	350	228550						275566
		PLUMBING, SANITARY INSTALLATION & GAS FITTINGS										228550
1	19/3	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	0.00	Each			44.00	Each				
2	19/6	Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin	0.00	Each			39.00	Each	2458.30	108165	108165	
3	19/12	Providing and fitting plastic made low down flushing cistern 1363 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. i) white	0.00	Each			47.00	Each	7329.95	285868	285868	
									2649.10	124508	124508	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
4	19/23	Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer in charge. i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic towel rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holder vi) Looking glass with plastic frame vii) Towel ring	0.00	Each			24.00	Each	7600.00			
5	19/34	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	0.00	Each			74.00	Each	283.10	182400	182400	
6	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer in charge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall r (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap	0.00	Each			34.00	Each	33004.00	20949	20949	
7	19/52	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer in charge. (ii) Lever Type Basin Mixer					39.00	Each	6532.00	1122136	1122136	
8	19/55	Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity	0.00	Each			10.00	Each	19819.90	254748	254748	
		SEWERAGE								198199	198199	
1	0	i) 225 mm (9") i/d	1000	P-Rft	427.60	427600	0	P-Rft		0		427600
2	21/3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring cutting pipes where necessary, testing, etc., complete. i) 310 mm (12") i/d	1500	P-Rft			0	P-Rft				
					546.65	819975				0		819975

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
3	0	P/ laying of PVC sewer pipe of BSS class "D" working pressure i/c lowering, jointing, Testing complete.	500	P-Rft	188.30	94150						
4	21/9	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish	2500	%Sft	2052.90		0	%Sft				94150
5	21/16	Providing and fixing, 6" (150 mm) thick R.C.C. manholecover for 22" as per standard drawing STD/PD No. 6 of 1977, complete in all respects.	250	Each		51323	0	Each		0		51323
		SINKING OF WELLS			9146.15	2286538				0		2286538
1	(i)	0' to 5' depth	3535	%oCft	5688.40	20107	0	%oCft		0		
2	(ii)	5' to 10' depth.	3535	%oCft	5941.05	21000	0	%oCft		0		20107
3	(i)	0' to 5' depth	168	p.Cft	561.10	94209				0		21000
4	23/26	P/F of PVC specials such as tee, collar, bend etc plain type / plug type of approved quality with cement joints complete in all respect as approved and directed by the Engineer Incharge	99	P-Rft	404.80		0	P-Rft				94209
5	23/26	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line of B.S.S. with 'B' Class working pressure pipe, in trenches, complete in all respects:- b) 4" i/d (100 mm)	891.00	P-Rft	188.30	167775	0.00	P-Rft		0		40075
6	23/47	Providing, laying, testing and commissioning of POLYPROPYLENERANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/ Beta / BBJ) with specified pressure rating PN (PRESSURENOMINAL) 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). 25MM	0	P-Rft		0	923	P-Rft	66.50	61380		167775
		ELECTRIC INSTALLATION									61380	
1	24/3	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. ii) 25 mm i/d	400.00	P-Rft	61.00		1292.00	P-Rft	94.50			
2	0	i) 20 mm i/d	400.00	P-Rft	70.50	24400				122223	97823	
3	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):- a) 250/440 volts, PVC insulated:- i) 3/0.74 mm (3/0.029")	0	P-Rft		28200	1647.00	P-Rft	81.70	134560	106360	
4	0	ii) 7/0.74 mm (7/0.029")	0	P-Rft		0				138395	138395	
5	7/0.036		0	P-Rft		0	4400	P-Rft	40.75	167075	167075	
6	7/0.044		0	P-Rft		0	2700	P-Rft	53.80	145260	145260	
			0	P-Rft		0	3240	P-Rft	15.40	243324	243324	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
7	0	7/0.064	0	P-Rft		0	2160	P-Rft	175.50	379080	379080	
8	24/12	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in to prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-19/0.083	0	P-Rft			2000 20476	P-Rft	653.35	1306700	1306700	
9	0	ii) 7/1.12 mm (7/0.044")	14400	P-Rft	72.55	1044720	0	P-Rft		13377995	13377995	
10	24/39	Supply and erection of button holder. i) bakelite large size	0	Each		0	238	Each	53.75	12793	12793	1044720
11	24/49	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	56	Each	556.90		26	Each	67.80	1763		29423
12	24/83	(a) One way Gange SwitchP/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of HI-Life / Bush / Schenider, screwscomplete as approved and directed by the Engineer Incharge (iii) 06 Gange	0	Each		0	199	Each	1162.50	231338		
13	ii	Large (iii) 04 Gange.	0	Each		0	71	Each	802.50	56978	231338	
14	iii	(a) One way Gange Switch Small (viii) Three Pin Power Plug 15-32 Amp	0	Each		0	145	Each	754.50	109403	56978	
15	24/83	Supplying ,Installation and commissioning of MCCB (Moulded Case CircuitBreaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB/SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs andPanels i/c the cost of screws, necessary wire complete in all respect asapproved and directed by the Engineer Incharge.a) Tripple Pole (x) 200-250 Amp(36 KA)	0	Each		0	25 53	Each	39814.30	995350 2110158	109403	
		IRON WORK									2110158	
1	25/44	Providing and fixing all types of partly fixed and partlyopenable glazed anodised bronze colour aluminiumdoors, using delux section of M/s Al-Cop or PakistanCables, having chowkat frame of size 40 x 100 mm (1½" x4") and leaf frame of 60x40mm (2½"x1½") wide sectionsincluding the cost of ¼" (5 mm) thick imported tintedglass with aluminium triangular gola and rubber gasket tosupport the glass and leaf edging, using approvedstandard fittings, locks, 3" (75 mm) wide long handlesetc., and hardware any required as approved by theengineer in-charge.	1140	P-Sft	586.45	668553	2136	P-Sft	1437.60	3070972		
											2402419	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
2	25/45	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. i/c Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	990	P-Sft	498.50	493515	3243	P-Sft	134840 1841.45	4372807/- 5871749	3879292/- 5478234	
3	25/45	Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	800	P-Sft	330.05	264040	1621		49305	799431/-	535431/-	
4	25/59	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"x1½"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	0	P-Sft		0	782	P-Sft	1729.00	1351430 ✓		
5	25/64	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 goties fixed on vertical post, i/c staines steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	0	P-Sft		0	186	P-Sft	2,361.45	439230 ✓		
		Miscellaneous									439230	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
1	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.ii) 500 gauge (.005" thick)	0	P-Sft		0	38266	P-Sft	7.85	300390	300390	
2	0	Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	0	Each		0	155	Each	2932.00	454460	454460	
3	0	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bondover 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	55414	P-Sft	285	15792990	26481	P-Sft	340.5	9016737		
4	0	Providing and laying superb quality Porcelain glazed tiles of Master brand,skirting/dado of specified size,Color and Shade with adhesive/bondover 1/2"thick (1:2)cement plaster i/c the cost of and sealer for finishing the joints,cutting grinding complete in all respect as approved and directed by the Engineer Incharge Full.body Glazed Tile (ii) 600mm x600 mm	29836	P-Sft	289.00	8622676	29219	P-Sft	340.50	9949081	1326405	6776253
5	0	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.i)12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	3903	P-Sft	273.00	1065519	2570	P-Sft	239.90	616543		
6	0	Providing and laying superb quality Ceramic tiles dado of Maste brand of specified size,Glossy/Matt/Texture skirting/dado of approve Color and Shade with adhesive bond over 1/2"thick (1:2) cemen plaster i/c the cost of sealer for finishing the joints i/c cutting grindin complete in all respects as approved and directed by the Enginee Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	13109	P-Sft	289.00	3788357	8427	P-Sft	292.65	2466024		448976
												1322333

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
7	0	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.(i) 3/4" thick	0	P-Sft		0	263	P-Sft	1,308.95	344254	344254	
8	0	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona	0	P-Sft		0	304	P-Sft	412.30	125339	125339	
9	24/68	Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in pre-laid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. a)Single Arm(i) 10 mtr height	0	P.sft		0	15	P.sft	106240.30	1593605	1593605	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
10	24/68	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 10kV 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. c) 120 Lm/Watt (ii) 40 Watt with 4800 Lumens	0	P.sft		0	15	P.sft	49384.50	740768		
11	24/83	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, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). 6" DEEP (i) 20~60A	0	P.sft		0	24	P.sft	18634.45	447226.8		
12	0	Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadek /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR. (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v) 4" (110 mm)	0	P-Rft		0	460	P-Rft	325.95	149937		

Cost iron water down Rep
4" i/d

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
13	0	Providing and fitting European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	33.00	Each	18500.00	610500	8.00	Each	19987.90	159903		
14		"B" NON- STANDARDIZED ITEMS										450597
15	25/64	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of elbows at ends, buffer belt as approved and directed by the Engineer Incharge	0	P-Sft		0	131	P-Rft	3070.00	402170		
16	0	Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.	0	P.Rft		0	156	P.Rft	70.00	10920	402170	
17	0	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	0	P.Rft		0	0	P.Rft	0.00	0	10920	
18	0	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 hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge	0	P-Sft		0	1119	P-Sft	1040.00	1163760		
											1163760	

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
19	0	Supply and installation anti microbial Hygienic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (a) Cementitious Urethane (b) Epoxy (c) Polyurethane (d) Urethane	0	P-Sft		0	1552	P-Sft	1134.00	1759968	✓	
20	0	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge	0	P-Sft		0	3879	P-Sft	1890.00	7331635	✓	
21	0	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.	0	P.Rft		0	764	P.Rft	580.00	443120	✓	
22	0	Providing and fixing high quality LED SMD Panel Light 2 ftx2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. (ii) 48 watt/4000 k	225	Each	10860.00	2443500	18	Each	14800.00	266400	✓	
23	0	S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge	0	Each		0	150738	Each	1800.00	270000	✓	2177100
24	0	INTERNAL ELECTRIC INSTALLATION	52018	P.Sft	110.00	5821980	0	P.Sft	227.00	428400	✓	270000
25	0	Covered Area for Public Health	62018	P.Sft	78.00	4837404	0			0		6821980
26	0	Covered Area for Sui Gas	62018	P.Sft	39.00	2418702						4837404
27	0	Construction of Boundary Wall 9" thick 8' height. i/c razor cut wire	4376	P.Rft	5525.00	24177400						2418702
28	0	MUSRING COUNTER	0	Each		0	8	Each	49610	396876	✓	24177400
29	0	CARRIAGE OF OLD DISMANTLED MATERIAL					19645	%Cft	2491	489364	✓	
30	0	PROVIDING AND FIXING WALL PANELLING PVC LAMINATION SHEET SIZE (9-1/2"x9-1/2') WATER PROOF I/C COST OF NAILS AND PVC GOLA ETC AS APPROVED BY THE ENGINEER INCHARGE"	1204	p.Sft	158.00	190232						
												190232

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
31	0	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp edges & flange 19.5 mm (ii) 400 mmX 400 mm	0	P-Sft		0	1552	P-Sft	945.00	1465640		
32	0	P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as per instruction & covering with MDF Board 3/4" thick panelling i/c frame of Nail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.	0.00	P.Sft		0	1361.52	P.Sft	1730.00	2355430		
33	0	Water Filtration Plant (BUILDING)	390.00	p.Sft	2307.00	899730					2355430	
34	0	P/INSTALLATION OF R.O (REVERSE OSMOSIS) WATER PURIFICATION PLANT COMPLETE IN ALL RESPECT OF APPROVED QUALITY THE SPECIFICATION OF PURIFICATIONO PLANT CAPACITY 1000 L.P.H AS APPROVED BY THE ENGINEER INCHARGE.	1.00	No	2226000	2226000						899730
35	0	P/INSTALLATION OF R.O (REVERSE OSMOSIS) WATER CHILLER UNIT COMPLETE IN ALL RESPECT OF APPROVED QUALITY THE SPECIFICATION OF PURIFICATIONO PLANT CAPACITY 200 L.P.H AS APPROVED BY THE ENGINEER INCHARGE.	1.00	No	342000	342000						2226000
36	0	Supplying and erection of 4 core cable PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, Cost of trenches where necessary armoured with G.I. wire 16 SWG. ii) 19/1.63 mm (19/0.064").	1550.00	P.Rft	756	1171800						342000
												1171800

Sr No	CHAP/ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
37	0	Providing and fixing Fiber glass shed consisting vertical post of G.I pipe 4" dia medium quality 10' above floor level and 1'-6" box pipe embedded in cement concrete 1:2:4 below floor level or fixed with bottom steel plate 6"x6" i/c rowel bolts provided with top frame of M.S 1"x1", gauge 18 SWG with trusses of M.S box pipe 1 1/2"x1 1/2" with 16 SWG 10 1/2" light i/c fixing of 2-ply fiber glass sheet and painting of sq pipe frame is included in the rate complete as approved. (10x500 = 5000 Sft)	5000.00	p.Sft	744.00	3720000						3720000
38	0	Providing and fixing cast iron bench with wooden planks etc complete in all respect and as approved by the Engineer in charge.(13.3x10 = 133 Nos.)	133.00	Each	25600.00	3404800						3404800
39	0	Providing and Fixing of Parking Shed comprising of 10 SWG coloum pipe 5" dia, 12 SWG main arch pipe 2.5" dia, 14 SWG support and perlin pipe 2" dia with covering sheet tensile fabric for 700 GSM size 20'x18' i/c making foundation excavation base concrete (1:2:4) complete with finishing and as approved and directed by the Engineer Incharge"	160.00	p.Sft	498.00	79680						79680
40	0	Provision of Anti Skidding Ramps.	760.00	p.Sft	206.00	156560						156560
41	0	Up lifting of Front Elevation.	9398.00	p.Sft	540.00	5074920						5074920
42	0	S/E of ceiling Fan 56" Sweep best quality as approved by the Engineer incharge					26.00	Each	7100.00	184600	184600	
43	0	Providing and Installing Street Light 10' Height.	1.00	P.Job	3522600	3522600						3522600
			0.00		Total:	Rs. 134693803/-	0.00		Total:	Rs. 114005820/-	Rs. 77425646	Rs. 98100163/-
		RECOVERY OF OLD ITEMS										
1	0	Old wooden Door										
1	0	Old wooden Door	0.00	P.Sft	200.00	0	4168.56	P.Sft	200.00	833711	833711	
2	0	Old Wooden windows										
4	0	Old Wooden windows	0.00	P.Sft	200.00	0	4808.21	P.Sft	200.00	961642	961642	
5	0	RECOVERY OF OLD BRICK TILE (USABALE)										
6	0	RECOVERY OF OLD BRICK TILE (USABALE)	0.00	%oNos	3200.00	0	45337.76	%oNos	3200.00	145081	145081	

Sr No	CRAP/I ITEM	DESCRIPTION	QUANTITY	UNITS	RATE	AMOUNT	QUANTITY	UNITS	RATE	AMOUNT	EXCESS	SAVINGS
1	2	3	4	5	6	7	4	5	6	7		
7		RECOVERY OF OLD BRICK TILE (Brick Ballast)										
8	0	RECOVERY OF OLD BRICK TILE (Brick Ballast)	0.00	%Cft	1250.00	0	3140.73	%Cft	3000/- 1250.00	4263439259	4263439259	
9		Recovery of Old Steel										
10	0	Recovery of Old Steel	0.00	%Cft	1250.00	0	3407.00	P.Kg	120.00	2720540408840	2720540408840	
					Total:	Rs. 0/-			Total:	Rs. 2388533/-	Rs. 2388533/-	
					Net Total:	Rs. 134693803/-			Net Total:	Rs. 11285280/-	Rs. 112366756/-	Rs. 22327048/-
		Add 5% External Development			=				=	Rs. 5564264	Rs. 5564264	
		Add 1% Land Scaping & Horticulture Charges								Rs. 5618338/-	Rs. 5618338/-	
					Net Total:	Rs. 134693803/-			Net Total:	Rs. 112366756/-	Rs. 112366756/-	Rs. 11090374/-
		Add WAPDA connection charges subject Demand Note			=	Rs. 1000000/-			=	Rs. 5000000/-	Rs. 4000000/-	
		Add 1% for Tree Plantation			=	Rs. 1346938/-			=	Rs. 3708103/-	Rs. 2361165/-	
		Add 5% PRA			=	Rs. 6734690/-			=	Rs. 6180171/-		Rs. 554519/-
		Add 3% Contingency								3672414	133997036	
					Total:	Rs. 143775432/-			Total:	Rs. 138491704/-		Rs. 5283728/-
					OR	Rs. 143.775 (M)			OR	Rs. 138.492 (M)		Rs. 5.284 (M)

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

TECHNICALLY VETTED 100.243

For Rs. 133.997 (Million)

Chief Engineer Punjab Buildings Deptt; South Zone, Lahore.

Deputy Engineer Punjab Buildings Deptt; South Zone, Lahore.

Chief Draftsman Punjab Buildings Deptt; South Zone, Lahore.

**REVISED ROUGH COST ESTIMATE FOR THE BALANCE WORK OF
REVAMPING OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT D
MUZAFFARGARH. ADP NO. 660 FOR YEAR 2022-23 (ON DETAILED BA**

2nd Bi-Annual 2022

GENERAL ABSTRACT OF COST

19900480
~~235706~~

1 OPERATION THEATER	=	Rs. 23706576/-
2 MEDICAL WARD	26326338	= Rs. 287636 28608906/-
3 INDOOR BLOCK	14288926	= Rs. 150338 15397762/-
4 DIALYSIS UNIT	1266639	= Rs. 1372469/-
5 DIAGNOSTIC BLOCK	8951355	= Rs. 936770 9468786/-
6 NEW OPD	5974600	= Rs. 540073 5390947/-
7 PSYCHIATRISTS BLOCK	5650543	= Rs. 52688 5310304/-
8 EXTERNAL WIRING IN DHQ		= Rs. 22621639/-
9 CARRIAGE OF OLD DISMANTLED MATERIAL		= Rs. 6040093/- 489364/-

88188340
Total = Rs. 11236675

Add 5% External Development (+) Rs. 556420

Add 5% Land Scaping & Horticulture Charges (+) Rs. 556420

Total = Rs. 1236034

Add 3% Contingency (+) Rs. 367244

Add 5% PST (+) Rs. 612069

Add Wapda Charges (+) Rs. 6180171/-

Total = Rs. 137200

Say. Rs. 1384917

OR Rs. 137200

OR Rs. 138492

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

Superintendent
Building
Dep G

REVISED

**ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REV
OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT I
MUZAFFARGARH. ADP NO. 660 FOR YEAR 2022-23 (ON DE
BASIS)**

2nd Bi-Annual 2022

**ABSTRACT OF COST
OPERATION THEATER BLOCK**

1 REVAMPING

= Rs. 21.5

2 RECOVERY OF OLD MATERIAL

= -Rs. 2

Total = Rs. 19.5

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

8 Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.

D-1	4	x	3.50	x	2	28	Sft	
D-3	2	x	4.00	x	2	16	Sft	
D-13	10	x	5.00	x	2	100	Sft	
	1	x	7.00	x	2	14	Sft	
	1	x	6.50	x	2	13	Sft	
	2	x	4.00	x	2	16	Sft	
						187	Sft	
						Total		
						205.70	P.Sft	38466
						@		
9 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick								
D-1	4	x	3.25	x	7.875	102	Sft	
D-3	2	x	3.75	x	6.875	52	Sft	
D-13	10	x	4.75	x	8.375	398	Sft	
	1	x	6.75	x	8.375	57	Sft	
	1	x	6.25	x	8.375	52	Sft	
	2	x	3.75	x	8.375	63	Sft	
						723	Sft	
						Total		
						678.55	P.Sft	490889
						@		

REVISED

ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL OPERATION THEATER BLOCK

1 a) Removing door with chowkat.

1			35.00			35	Nos	
						Total		
						438.00	Each	15330
						@		

2 b) Removing windows and sky lights with chowkat

Windows	1		24.00			24	Nos	
C Windows	1		19.00			19	Nos	
						Total		
						43	Nos	
						@		

3 Providing and fixing 3"x4-1/2" chowkat for doors, windows and C.windows, including holdfast, etc.c) Shisham wood

1	x	6.50	x	8.5	55	Sft	
						Total	
						825.85	P.Sft
						@	

4 Providing and fixing 1 1/2" (40 mm) thick deodar woodpanelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:-i) M.S. angle iron 1 1/2"x1 1/2"x1/4", welded (40 mm x 40 mm x 6 mm) with M.S. flat 2"x1/4" (50 mm x 6 mm)

1	x	6.50	x	8.5	55	Sft	
						Total	
						1930.45 - 402.950	
						@	

5 Providing and laying 24 SWG aluminum kick plate 4" (100mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.

2	x	12.00	x	6.5	x		156	Rft
						Total	156	Rft
					@	70.00	p.Rft	10920

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

D-2	3	x	4.50	x	8.5	115	Sft
D-8	6	x	4.00	x	8.5	204	Sft
D	1	x	10.00	x	8.5	85	Sft
						Total	404 Sft

7 Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1- 1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect asapproved and directed by Engineer Incharge. (iii) (i) 15" wide

D-1	4	x	3.50	x	8	112	Sft
D-3	2	x	4.00	x	7	56	Sft
D-13	10	x	5.00	x	8.5	425	Sft
	1	x	7.00	x	8.5	60	Sft
	1	x	6.50	x	8.5	55	Sft
	2	x	4.00	x	8.5	68	Sft
						776	Sft
				@		Total	
						727.05	P.Sft
							404
							1176

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

Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

W-1	2	x	6.00	x	6	72	Sft
W-27	4	x	4.00	x	5.5	88	Sft
W-36	3	x	2.00	x	4	24	Sft
W-35	3	x	6.00	x	4	72	Sft
	2	x	2.50	x	5.5	28	Sft
1348.40 Total						284	Sft

382271/-

14 Dismantling glazed or encaustic tiles, etc.

112 1348.40 + 493.05 @ 1,841.45 P.Sft

284 1/2 = 142 1/2 @ 493.05 1/2 = 69890/-

Ent Operation	1	x	20.50	x	24.5	=	502	Sft
Store	1	x	7.50	x	10.57	=	79	Sft
Washing Area	1	x	7.50	x	5.66	=	42	Sft
Washing Area 2	1	x	7.50	x	6.75	=	51	Sft
Ortho Operation	1	x	20.50	x	24.5	=	502	Sft
Strelization	1	x	6.57	x	26.66	=	175	Sft
Operation	1	x	19.83	x	26.25	=	521	Sft
Theator		x		x		=	130	Sft
Recovery Room	1	x	10.00	x	13	=	130	Sft
Instrument Rom	1	x	13.00	x	10	=	72	Sft
Store 2	1	x	11.25	x	6.42	=	68	Sft
Toilet	1	x	11.25	x	6	=	112	Sft
Store 3	1	x	8.00	x	14	=	238	Sft
Doctor Surgen	1	x	13.00	x	18.33	=	130	Sft
Office		x		x		=	127	Sft
Main Entress	1	x	10.00	x	13	=	37	Sft
NS	1	x	13.00	x	9.75	=	31	Sft
Store 4	1	x	5.66	x	6.58	=	37	Sft
Dressing	1	x	5.66	x	5.5	=	31	Sft
Store 5	1	x	5.66	x	6.58	=	90	Sft
Store 6	1	x	5.66	x	5.5	=	224	Sft
Dressing 2	1	x	7.00	x	12.83	=	128	Sft
Entry Corridor	1	x	28.00	x	8	=	128	Sft
Lenin Store	1	x	13.00	x	9.833	=	529	Sft
Hall	1	x	13.00	x	9.833	=	175	Sft
OT Room	1	x	19.83	x	26.66	=	1221	Sft
Strelization 2	1	x	6.58	x	26.66	=	212	Sft
Conference Room	1	x	24.50	x	49.833	=	471	Sft
Seating Area	1	x	15.25	x	13.91	=	382	Sft
Corridor 1	1	x	33.83	x	13.91	=	568	Sft
Corridor 2	1	x	38.50	x	9.91	=	472	Sft
Corridor 3	1	x	73.25	x	7.75	=	236	Sft
Corridor 4	1	x	59.00	x	8	=	62	Sft
Corridor 5	1	x	29.50	x	8	=	450	Sft
Corridor 6	1	x	7.75	x	8	=	181	Sft
Ent Operation	2	x	20.50	x	24.5	5.00	132	Sft
Store	2	x	7.50	x	10.57	5.00	143	Sft
Washing Area	2	x	7.50	x	5.66	5.00	450	Sft
Washing Area 2	2	x	7.50	x	6.75	5.00	332	Sft
Ortho Operation	2	x	20.50	x	24.5	5.00	461	Sft
Strelization	2	x	6.57	x	26.66	5.00	230	Sft
Operation Theator	2	x	19.83	x	26.25	5.00		
Recovery Room	2	x	10.00	x	13	5.00		

Instrument Rom	2	x	13.00	x	+	x	10	5.00	230	Sft
Store 2	2	x	11.25	x	+	x	6.42	5.00	177	Sft
Toilet	2	x	11.25	x	+	x	6	5.00	173	Sft
Store 3	2	x	8.00	x	+	x	14	5.00	220	Sft
Doctor Surgen Office	2	x	13.00	x	+	x	18.33	5.00	313	Sft
Main Entress	2	x	10.00	x	+	x	13	5.00	230	Sft
NS	2	x	13.00	x	+	x	9.75	5.00	228	Sft
Store 4	2	x	5.66	x	+	x	6.58	5.00	122	Sft
Dressing	2	x	5.66	x	+	x	5.5	5.00	112	Sft
Store 5	2	x	5.66	x	+	x	6.58	5.00	122	Sft
Store 6	2	x	5.66	x	+	x	5.5	5.00	112	Sft
Dressing 2	2	x	7.00	x	+	x	12.83	5.00	198	Sft
Entry Corridor	2	x	28.00	x	+	x	8	5.00	360	Sft
Lenin Store	2	x	13.00	x	+	x	9.833	5.00	228	Sft
Hall	2	x	13.00	x	+	x	9.833	5.00	228	Sft
OT Room	2	x	19.83	x	+	x	26.66	5.00	465	Sft
Strelization 2	2	x	6.58	x	+	x	26.66	5.00	332	Sft
Conference Room	2	x	24.50	x		x	49.833	5.00	743	Sft
Seating Area	2	x	15.25	x	+	x	13.91	5.00	292	Sft
Corridor 1	2	x	33.83	x	+	x	13.91	5.00	477	Sft
Corridor 2	2	x	38.50	x	+	x	9.91	5.00	484	Sft
Corridor 3	2	x	73.25	x	+	x	7.75	5.00	810	Sft
Corridor 4	2	x	59.00	x	+	x	8	5.00	670	Sft
Corridor 5	2	x	29.50	x	+	x	8	5.00	375	Sft
Corridor 6	2	x	7.75	x	+	x	8	5.00	158	Sft
	1	x	6.50	x	1.125	x			7	Sft
D-2	3	x	4.50	x	1.125	x			15	Sft
D-8	6	x	4.00	x	1.125	x			27	Sft
D	1	x	10.00	x	1.125	x			11	Sft
D-1	4	x	3.50	x	1.125	x			16	Sft
D-3	2	x	4.00	x	1.125	x			9	Sft
D-13	10	x	5.00	x	1.125	x			56	Sft
	1	x	7.00	x	1.125	x			8	Sft
	1	x	6.50	x	1.125	x			7	Sft
	2	x	4.00	x	1.125	x			9	Sft

Total = 10/403 48346 Sft
@ 2335.85 %Sft.

15 c) Dismantling cement concrete 1:2:4plain.

Ent Operation	1	x	20.50	x	24.5	x	0.125 =	63	Cft
Store	1	x	7.50	x	10.57	x	0.125 =	10	Cft
Washing Area	1	x	7.50	x	5.66	x	0.125 =	5	Cft
Washing Area 2	1	x	7.50	x	6.75	x	0.125 =	6	Cft
Ortho Operation	1	x	20.50	x	24.5	x	0.125 =	63	Cft
Strelization	1	x	6.57	x	26.66	x	0.125 =	22	Cft
Operation	1	x	19.83	x	26.25	x	0.125 =	65	Cft
Recovery Room	1	x	10.00	x	13	x	0.125 =	16	Cft
Instrument Rom	1	x	13.00	x	10	x	0.125 =	16	Cft
Store 2	1	x	11.25	x	6.42	x	0.125 =	9	Cft
Toilet	1	x	11.25	x	6	x	0.125 =	8	Cft
Store 3	1	x	8.00	x	14	x	0.125 =	14	Cft
Doctor Surgen	1	x	13.00	x	18.33	x	0.125 =	30	Cft
Main Entress	1	x	10.00	x	13	x	0.125 =	16	Cft
NS	1	x	13.00	x	9.75	x	0.125 =	16	Cft
Store 4	1	x	5.66	x	6.58	x	0.125 =	5	Cft
Dressing	1	x	5.66	x	5.5	x	0.125 =	4	Cft
Store 5	1	x	5.66	x	6.58	x	0.125 =	5	Cft
Store 6	1	x	5.66	x	5.5	x	0.125 =	4	Cft
Dressing 2	1	x	7.00	x	12.83	x	0.125 =	11	Cft
Entry Corridor	1	x	28.00	x	8	x	0.125 =	28	Cft

242999

Lenin Store	1	x	13.00	x	9.833	x	0.125 =	16	Cft
Hall	1	x	13.00	x	9.833	x	0.125 =	16	Cft
OT Room	1	x	19.83	x	26.66	x	0.125 =	66	Cft
Strelization 2	1	x	6.58	x	26.66	x	0.125 =	22	Cft
Conference	1	x	24.50	x	49.833	x	0.125 =	153	Cft
Seating Area	1	x	15.25	x	13.91	x	0.125 =	27	Cft
Corridor 1	1	x	33.83	x	13.91	x	0.125 =	59	Cft
Corridor 2	1	x	38.50	x	9.91	x	0.125 =	48	Cft
Corridor 3	1	x	73.25	x	7.75	x	0.125 =	71	Cft
Corridor 4	1	x	59.00	x	8	x	0.125 =	59	Cft
Corridor 5	1	x	29.50	x	8	x	0.125 =	30	Cft
Corridor 6	1	x	7.75	x	8	x	0.125 =	8	Cft
	1	x	6.50	x	1.125	x	0.125 =	1	Cft
D-2	3	x	4.50	x	1.125	x	0.125 =	2	Cft
D-8	6	x	4.00	x	1.125	x	0.125 =	3	Cft
D	1	x	10.00	x	1.125	x	0.125 =	1	Cft
D-1	4	x	3.50	x	1.125	x	0.125 =	2	Cft
D-3	2	x	4.00	x	1.125	x	0.125 =	1	Cft
D-13	10	x	5.00	x	1.125	x	0.125 =	7	Cft
	1	x	7.00	x	1.125	x	0.125 =	1	Cft
	1	x	6.50	x	1.125	x	0.125 =	1	Cft
	2	x	4.00	x	1.125	x	0.125 =	1	Cft
Total =								1011	Cft
@								11174.60	%Cft.

112975

16 Cement plaster 1:4 upto 20' (6.00 m) height:-b) 1/2" (13

Ent Operation	2	x	20.50	x	+	24.5	4.00	360	Sft
Store	2	x	7.50	x	+	10.57	5.00	181	Sft
Washing Area	2	x	7.50	x	+	5.66	5.00	132	Sft
Washing Area 2	2	x	7.50	x	+	6.75	5.00	143	Sft
Ortho Operation	2	x	20.50	x	+	24.5	4.00	360	Sft
Strelization	2	x	6.57	x	+	26.66	3.00	199	Sft
Operation	2	x	19.83	x	+	26.25	5.00	461	Sft
Recovery Room	2	x	10.00	x	+	13	1.00	46	Sft
Instrument Rom	2	x	13.00	x	+	10	3.00	138	Sft
Store 2	2	x	11.25	x	+	6.42	3.00	106	Sft
Toilet	2	x	11.25	x	+	6	1.00	35	Sft
Store 3	2	x	8.00	x	+	14	2.00	88	Sft
Doctor Surgen	2	x	13.00	x	+	18.33	4.00	251	Sft
Main Entress	2	x	10.00	x	+	13	2.00	92	Sft
NS	2	x	13.00	x	+	9.75	2.00	91	Sft
Store 4	2	x	5.66	x	+	6.58	3.00	73	Sft
Dressing	2	x	5.66	x	+	5.5	1.00	22	Sft
Store 5	2	x	5.66	x	+	6.58	1.00	24	Sft
Store 6	2	x	5.66	x	+	5.5	1.00	22	Sft
Dressing 2	2	x	7.00	x	+	12.83	1.00	40	Sft
Entry Corridor	2	x	28.00	x	+	8	4.00	288	Sft
Lenin Store	2	x	13.00	x	+	9.833	3.00	137	Sft
Hall	2	x	13.00	x	+	9.833	2.00	91	Sft
OT Room	2	x	19.83	x	+	26.66	2.00	186	Sft
Strelization 2	2	x	6.58	x	+	26.66	3.00	199	Sft
Conference	2	x	24.50	x	+	49.833	4.00	595	Sft
Seating Area	2	x	15.25	x	+	13.91	5.00	292	Sft
Corridor 1	2	x	33.83	x	+	13.91	5.00	477	Sft
Corridor 2	2	x	38.50	x	+	9.91	3.00	290	Sft

Corridor 3	2	x	73.25	x	+	x	7.75	2.00	324	Sft
Corridor 4	2	x	59.00	x	+	x	8	2.00	268	Sft
Corridor 5	2	x	29.50	x	+	x	8	1.00	75	Sft
Corridor 6	2	x	7.75	x	+	x	8	4.00	126	Sft
Total =									6212	Sft
3,241.60 + 423.3 @ 3664.90 %Sft.										

17 Cement concrete plain including

ment concrete plain including									
Ent Operation	1	x	20.50	x	24.5	x	0.125 =	63	Cft
Store	1	x	7.50	x	10.57	x	0.125 =	10	Cft
Washing Area	1	x	7.50	x	5.66	x	0.125 =	5	Cft
Washing Area 2	1	x	7.50	x	6.75	x	0.125 =	6	Cft
Ortho Operation	1	x	20.50	x	24.5	x	0.125 =	63	Cft
Strelization	1	x	6.57	x	26.66	x	0.125 =	22	Cft
Operation	1	x	19.83	x	26.25	x	0.125 =	65	Cft
Recovery Room	1	x	10.00	x	13	x	0.125 =	16	Cft
Instrument Rom	1	x	13.00	x	10	x	0.125 =	16	Cft
Store 2	1	x	11.25	x	6.42	x	0.125 =	9	Cft
Toilet	1	x	11.25	x	6	x	0.125 =	8	Cft
Store 3	1	x	8.00	x	14	x	0.125 =	14	Cft
Doctor Surgen	1	x	13.00	x	18.33	x	0.125 =	30	Cft
Main Entress	1	x	10.00	x	13	x	0.125 =	16	Cft
NS	1	x	13.00	x	9.75	x	0.125 =	16	Cft
Store 4	1	x	5.66	x	6.58	x	0.125 =	5	Cft
Dressing	1	x	5.66	x	5.5	x	0.125 =	4	Cft
Store 5	1	x	5.66	x	6.58	x	0.125 =	5	Cft
Store 6	1	x	5.66	x	5.5	x	0.125 =	4	Cft
Dressing 2	1	x	7.00	x	12.83	x	0.125 =	11	Cft
Entry Corridor	1	x	28.00	x	8	x	0.125 =	28	Cft
Lenin Store	1	x	13.00	x	9.833	x	0.125 =	16	Cft
Hall	1	x	13.00	x	9.833	x	0.125 =	16	Cft
OT Room	1	x	19.83	x	26.66	x	0.125 =	66	Cft
Strelization 2	1	x	6.58	x	26.66	x	0.125 =	22	Cft
Conference	1	x	24.50	x	49.833	x	0.125 =	153	Cft
Seating Area	1	x	15.25	x	13.91	x	0.125 =	27	Cft
Corridor 1	1	x	33.83	x	13.91	x	0.125 =	59	Cft
Corridor 2	1	x	38.50	x	9.91	x	0.125 =	48	Cft
Corridor 3	1	x	73.25	x	7.75	x	0.125 =	71	Cft
Corridor 4	1	x	59.00	x	8	x	0.125 =	59	Cft
Corridor 5	1	x	29.50	x	8	x	0.125 =	30	Cft
Corridor 6	1	x	7.75	x	8	x	0.125 =	8	Cft
	1	x	6.50	x	1.125	x	0.125 =	1	Cft
D-2	3	x	4.50	x	1.125	x	0.125 =	2	Cft
D-8	6	x	4.00	x	1.125	x	0.125 =	3	Cft
D	1	x	10.00	x	1.125	x	0.125 =	1	Cft
D-1	4	x	3.50	x	1.125	x	0.125 =	2	Cft
D-3	2	x	4.00	x	1.125	x	0.125 =	1	Cft
D-13	10	x	5.00	x	1.125	x	0.125 =	7	Cft
	1	x	7.00	x	1.125	x	0.125 =	1	Cft
	1	x	6.50	x	1.125	x	0.125 =	1	Cft
	2	x	4.00	x	1.125	x	0.125 =	1	Cft
Total =								1011	Cft
@								38126.10	%Cft.
									38545

- 18 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) 600mm x 600 mm

Store	1	x	7.50	x	10.57	x	=	79	Sft
Washing Area	1	x	7.50	x	5.66	x	=	42	Sft
Washing Area 2	1	x	7.50	x	6.75	x	=	51	Sft
Strelization	1	x	6.57	x	26.66	x	=	175	Sft
Recovery Room	1	x	10.00	x	13	x	=	130	Sft
Instrument Rom	1	x	13.00	x	10	x	=	130	Sft
Store 2	1	x	11.25	x	6.42	x	=	72	Sft
Store 3	1	x	8.00	x	14	x	=	112	Sft
Doctor Surgen	1	x	13.00	x	18.33	x	=	238	Sft
Main Entress	1	x	10.00	x	13	x	=	130	Sft
NS	1	x	13.00	x	9.75	x	=	127	Sft
Store 4	1	x	5.66	x	6.58	x	=	37	Sft
Dressing	1	x	5.66	x	5.5	x	=	31	Sft
Store 5	1	x	5.66	x	6.58	x	=	37	Sft
Store 6	1	x	5.66	x	5.5	x	=	31	Sft
Dressing 2	1	x	7.00	x	12.83	x	=	90	Sft
Entry Corridor	1	x	28.00	x	8	x	=	224	Sft
Lenin Store	1	x	13.00	x	9.833	x	=	128	Sft
Hall	1	x	13.00	x	9.833	x	=	128	Sft
Strelization 2	1	x	6.58	x	26.66	x	=	175	Sft
Conference	1	x	24.50	x	49.833	x	=	1221	Sft
Seating Area	1	x	15.25	x	13.91	x	=	212	Sft
Corridor 1	1	x	33.83	x	13.91	x	=	471	Sft
Corridor 2	1	x	38.50	x	9.91	x	=	382	Sft
Corridor 3	1	x	73.25	x	7.75	x	=	568	Sft
Corridor 4	1	x	59.00	x	8	x	=	472	Sft
Corridor 5	1	x	29.50	x	8	x	=	236	Sft
Corridor 6	1	x	7.75	x	8	x	=	62	Sft
	1	x	6.50	x	1.125	x	=	7	Sft
D-2	3	x	4.50	x	1.125	x	=	5	Sft
D-8	6	x	4.00	x	1.125	x	=	5	Sft
D	1	x	10.00	x	1.125	x	=	11	Sft
D-1	4	x	3.50	x	1.125	x	=	4	Sft
D-3	2	x	4.00	x	1.125	x	=	5	Sft
D-13	10	x	5.00	x	1.125	x	=	6	Sft
	1	x	7.00	x	1.125	x	=	8	Sft
	1	x	6.50	x	1.125	x	=	7	Sft
	2	x	4.00	x	1.125	x	=	5	Sft
Total								5854	Sft

@

340.5

P-Sft

1993287

- 19 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 Tile(ii) 600mm x 600 mm

Store	2	x	7.50	+	10.57	5.00	181	Sft
Washing Area	2	x	7.50	+	5.66	5.00	132	Sft
Washing Area 2	2	x	7.50	+	6.75	5.00	143	Sft

Strelization	2	x	6.57	+	26.66	5.00	332	Sft
Recovery Room	2	x	10.00	+	13	5.00	230	Sft
Instrument Rom	2	x	13.00	+	10	5.00	230	Sft
Store 2	2	x	11.25	+	6.42	5.00	177	Sft
Store 3	2	x	8.00	+	14	5.00	220	Sft
Doctor Surgen	2	x	13.00	+	18.33	5.00	313	Sft
Main Entress	2	x	10.00	+	13	5.00	230	Sft
NS	2	x	13.00	+	9.75	5.00	228	Sft
Store 4	2	x	5.66	+	6.58	5.00	122	Sft
Dressing	2	x	5.66	+	5.5	5.00	112	Sft
Store 5	2	x	5.66	+	6.58	5.00	122	Sft
Store 6	2	x	5.66	+	5.5	5.00	112	Sft
Dressing 2	2	x	7.00	+	12.83	5.00	198	Sft
Entry Corridor	2	x	28.00	+	8	5.00	360	Sft
Lenin Store	2	x	13.00	+	9.833	5.00	228	Sft
Hall	2	x	13.00	+	9.833	5.00	228	Sft
Strelization 2	2	x	6.58	+	26.66	5.00	332	Sft
Conference	2	x	24.50	+	49.833	5.00	743	Sft
Seating Area	2	x	15.25	+	13.91	5.00	292	Sft
Corridor 1	2	x	33.83	+	13.91	5.00	477	Sft
Corridor 2	2	x	38.50	+	9.91	5.00	484	Sft
Corridor 3	2	x	73.25	+	7.75	5.00	810	Sft
Corridor 4	2	x	59.00	+	8	5.00	670	Sft
Corridor 5	2	x	29.50	+	8	5.00	375	Sft
Corridor 6	2	x	7.75	+	8	5.00	158	Sft
Deduction								
D-1	-2	x	6	x	3.50	x	5	-210 Sft
D-2	-2	x	3	x	4.50	x	5	-135 Sft
D-8	-2	x	3	x	4.00	x	5	-120 Sft
D-13	-2	x	10	x	5.00	x	5	-500 Sft
	-2	x	1	x	7.00	x	5	-70 Sft
D8	-2	x	1	x	6.50	x	5	-65 Sft
							Total	7139 Sft
							@ 340.5	P-Sft 2430802

20 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 d by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

Toilet	1	x	11.25	x	6	x	=	68	Sft
							Total	68	Sft
							@ 239.9	P-Sft	16313

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

Toilet	2	x	11.25	+	6	7.00	242	Sft
D-9 toilet ot	-1	x	4.00	x	7		-28	Sft
							Total	214 Sft
							@ 292.65	P-Sft 62481

- 22 Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. (a) Cementitious Urethane (b) Epoxy (c) Polyurethane (d) Urethane

Operation	1	x	19.83	x	26.25	x	=	521	Sft
Ortho Operation	2	x	20.50	x	24.5	x	=	502	Sft
OT Room	1	x	19.83	x	26.66	x	=	529	Sft

Total 1552 Sft

@

1134.530 P-Sft 1759968

8536001

- 23 Supply and installation premium graded/scratch-resistant Hygienic anti-microbial

Ortho Operation	4	x	20.50	+	24.5	11.00	1980	Sft
Operation	2	x	19.83	+	26.25	11.00	1014	Sft
OT Room	2	x	19.83	+	26.66	11.00	1023	Sft
D-2	-1	x	4.50	x	5	x	-23	Sft
D-8	-2	x	4.00	x	5	x	-40	Sft
D-13	-3	x	5.00	x	5	x	-75	Sft

Total 3879 Sft

@

1890 P-Sft 7331635

- 24 Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp edges & flange 19.5 mm (ii) 400 mmX 400 mm

Operation Theater	1	x	19.83	x	26.25	x	=	521	Sft
Ortho Operation	2	x	20.50	x	24.5	x	=	502	Sft
OT Room	1	x	19.83	x	26.66	x	=	529	Sft

Total 1552 Sft

@

945 P-Sft 1466640

- 25 Cement pointing struck joints, on walls, upto 20' (6.00 m) height: (a) ratio 1:2 i/c red oxide

Walls

2	x	116.00	x	+	x	66.5	2.00	730	Sft
Total								730	Sft

3516.15 + 652.5 @ 4,168.65 % Sft 30431

- 26 Providing and applying weather shield paint of approved quality on external surface of building including preparation surface, application of primer complete in all respect: a) old surface: ii) 2nd coats i/c Scraping

Walls

2	x	116.00	x	+	x	66.5	20.50	7483	Sft
---	---	--------	---	---	---	------	-------	------	-----

W-1	-2	x	6.00	x	6	-72	Sft
W-27	-1	x	4.00	x	5.5	-22	Sft
W-36	-3	x	2.00	x	4	-24	Sft

Total 7365 Sft

@

4,612.80 % Sft 339710

- 27 b) Dismantling 2nd class tile roofing

Roof

1	x	116.00	x	66.5	7714	Sft
---	---	--------	---	------	------	-----

Total 7714 Sft

@

1,269.85 % Sft 97956

28 Rehandling of earthwork: a) Lead upto a single throw of Kass, phaorah or shovel

Roof

1 x 116.00 x 66.5 x 0.333

2569 Cft

2569 Cft

Total

2,539.70

%Cft

6524

29 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position. complete in all respect b) 1 1/2" thick

Roof

1 x 116.00 x 66.5

7714 Sft

7714 Sft

Total

9,459.55

%Sft

7297.10

30 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 roofslab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. i/c polythene sheet 500G

Roof

1 x 116.00 x 66.5

7714 Sft

7714 Sft

Total

11,947.25

%Sft

9216.11

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

1 8.00

8

Nos

Total

854.35

Each

6635

31 Pacca brick work other than building upto 10ft. height:-Ratio 1:4

Vanity 2 x 2.50 x 3 x 2.5

38

cft

Vanity 4 x 2.50 x 0.375 x 2.5

9

cft

CW 10 x 7.75 x 1.125 x 2

174

cft

1 x 3.50 x 1.125 x 2

8

cft

3 x 2.00 x 1.125 x 2

14

cft

3 x 5.00 x 1.125 x 2

34

cft

1 x 7.00 x 1.125 x 2

16

cft

1 x 4.00 x 1.125 x 2

9

cft

Total

31,336.30

%cft

94361

32 Cement plaster 1:5 upto 20' (6.00 mm) height:-b) 1 1/2" (13 mm) thick

Vanity 4 x 2.00 x 2.5 x 2.5 =

50

Sft

CW 2 x 10 x 7.75 x 2

310

Sft

2 x 1 x 3.50 x 2

14

Sft

2 x 3 x 2.00 x 2

24

Sft

2 x 3 x 5.00 x 2

60

Sft

2 x 1 x 7.00 x 2

28

Sft

2 x 1 x 4.00 x 2

16

Sft

Total =

502

Sft

@

3092.10

%Sft.

15522

33 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. (i) 3/4" thick

4 x 2.50 x 3

=

30

Sft

Total =

30

Sft

@

1308.95

P.Sft.

39269

- 34 (a) (i) 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:-(3) Type C (nominal mix 1: 2: 4)

$$4 \times 2.50 \times 3 \times 0.25 = 0.333 = \frac{7.5}{10} \text{ Cft}$$

$$\text{Total} = 107.50 \text{ Cft}$$

$$@ 556.50 \text{ P.Cft.}$$

- 35 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):-
(a) Plain bars (b) Deformed bars (Grade-40)

$$1 \times 10.00 \times 6.75 \times 0.454 = 31 \text{ Kg}$$

$$\text{Total} = 31 \text{ Kg}$$

$$@ 31420.10 \text{ \%KG}$$

- 36 Preparing surface and painting with emulsion paint:-27.12 :-b)old surface:-ii) two coats i/c scapping & applying wall putty of 2mm thick

Walls

Ent Operation	2	x	20.50	+	24.5	13.00	630	1170	Sft
Store	2	x	7.50	+	10.57	13.00		470	Sft
Washing Area	2	x	7.50	+	5.66	13.00		342	Sft
Washing Area 2	2	x	7.50	+	6.75	13.00		37	Sft
Ortho Operation	2	x	20.50	+	24.5	13.00		1170	Sft
Strelization	2	x	6.57	+	26.66	13.00		864	Sft
Operation Theater	2	x	19.83	+	26.25	13.00		1198	Sft
Recovery Room	2	x	10.00	+	13	13.00		598	Sft
Instrument Rom	2	x	13.00	+	10	13.00		598	Sft
Store 2	2	x	11.25	+	6.42	13.00		459	Sft
Toilet	2	x	11.25	+	6	13.00		449	Sft
Store 3	2	x	8.00	+	14	13.00		572	Sft
Doctor Surgen Office	2	x	13.00	+	18.33	13.00		815	Sft
Main Entress	2	x	10.00	+	13	13.00		598	Sft
NS	2	x	13.00	+	9.75	13.00		592	Sft
Store 4	2	x	5.66	+	6.58	13.00		318	Sft
Dressing	2	x	5.66	+	5.5	13.00		290	Sft
Store 5	2	x	5.66	+	6.58	13.00		318	Sft
Store 6	2	x	5.66	+	5.5	13.00		290	Sft
Dressing 2	2	x	7.00	+	12.83	13.00		516	Sft
Entry Corridor	2	x	28.00	+	8	13.00		936	Sft
Lenin Store	2	x	13.00	+	9.833	13.00		594	Sft
Hall	2	x	13.00	+	9.833	13.00		594	Sft
OT Room	2	x	19.83	+	26.66	13.00		1200	Sft
Strelization 2	2	x	6.58	+	26.66	13.00		864	Sft
Conference Room	2		24.50		49.833	13.00		1983	Sft
Seating Area	2	x	15.25	+	13.91	13.00		758	Sft
Corridor 1	2	x	33.83	+	13.91	13.00		1241	Sft
Corridor 2	2	x	38.50	+	9.91	13.00		1259	Sft
Corridor 3	2	x	73.25	+	7.75	13.00		2106	Sft
Corridor 4	2	x	59.00	+	8	13.00		1742	Sft
Corridor 5	2	x	29.50	+	8	13.00		975	Sft
Corridor 6	2	x	7.75	+	8	13.00		410	Sft

Ceiling

Ent Operation	1	x	20.50	x	24.5	x	=	502	Sft
Store	1	x	7.50	x	10.57	x	=	79	Sft
Washing Area	1	x	7.50	x	5.66	x	=	42	Sft
Washing Area 2	1	x	7.50	x	6.75	x	=	51	Sft
Ortho Operation	1	x	20.50	x	24.5	x	=	502	Sft

✓ Strelization	1	x	6.57	x	26.66	x	=	175	Sft
✓ Operation Theater	1	x	19.83	x	26.25	x	=	521	Sft
Recovery Room	1	x	10.00	x	13	x	=	130	Sft
Instrument Rom	1	x	13.00	x	10	x	=	130	Sft
Store 2	1	x	11.25	x	6.42	x	=	72	Sft
Toilet	1	x	11.25	x	6	x	=	68	Sft
Store 3	1	x	8.00	x	14	x	=	112	Sft
Doctor Surgen	1		13.00	x	18.33		=		
Office		x				x	=	238	Sft
Main Entress	1	x	10.00	x	13	x	=	130	Sft
NS	1	x	13.00	x	9.75	x	=	127	Sft
Store 4	1	x	5.66	x	6.58	x	=	37	Sft
Dressing	1	x	5.66	x	5.5	x	=	31	Sft
Store 5	1	x	5.66	x	6.58	x	=	37	Sft
Store 6	1	x	5.66	x	5.5	x	=	31	Sft
Dressing 2	1	x	7.00	x	12.83	x	=	90	Sft
Entry Corridor	1	x	28.00	x	8	x	=	224	Sft
Lenin Store	1	x	13.00	x	9.833	x	=	128	Sft
Hall	1	x	13.00	x	9.833	x	=	128	Sft
OT Room	1	x	19.83	x	26.66	x	=	529	Sft
Strelization 2	1	x	6.58	x	26.66	x	=	175	Sft
Conference	1		24.50	x	49.833		=		
Room		x				x	=	1221	Sft
Seating Area	1	x	15.25	x	13.91	x	=	212	Sft
Corridor 1	1	x	33.83	x	13.91	x	=	471	Sft
Corridor 2	1	x	38.50	x	9.91	x	=	382	Sft
Corridor 3	1	x	73.25	x	7.75	x	=	568	Sft
Corridor 4	1	x	59.00	x	8	x	=	472	Sft
Corridor 5	1	x	29.50	x	8	x	=	236	Sft
Corridor 6	1	x	7.75	x	8	x	=	62	Sft
Deduction									
D-1		-7 x	3.50			x	-3	-74	Sft
D-2		-3 x	4.50			x	3.5	-47	Sft
D-3		-2 x	4.00			x	2	-16	Sft
D-8		-6 x	4.00			x	3.5	-84	Sft
D-13		-10 x	5.00			x	3.5	-175	Sft
		-1 x	7.00			x	3.5	-25	Sft
		-1 x	6.50			x	3.5	-23	Sft
D-8 toilet ot		-1 x	4.00			x	3.5	-14	Sft
W-1		-6 x	6.00			x	6	-216	Sft
W-27		-3 x	4.00			x	5.5	-66	Sft
W-36		-3 x	2.00			x	4	-24	Sft
W-35		-3 x	6.00			x	4	-72	Sft

Total 33695 Sft

@

3167.6 % Sft

4067342

37 Pacca brick work in ground floor:-i)cement, sand mortar:-Ratio 1:6

OT WINDOWS	4	x	6.00	x	1.125	x	6	162	cft
								Total	162
								% cft	49835

38 Cement plaster 1:5 upto 20' (6.00 mm) height:-b)½"

8	x	6.00	x	6	x	=	288	Sft	
							Total	288	Sft

@

3092.10

% Sft.

8905

- 39 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.

52	x	5.00		260	Rft
			Total	260	Rft
			@ 580.00	P.Rft	150800

- 40 Providing and laying expansion joint of neoprine strip 4"x¼"(100 mmx 6 mm) and plastic bitumen.

2	x	95.00		190	Rft
			Total	190	Rft
			@ 389.10	P.Rft	73929

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

1		35.00		35	Nos
			Total	35	Nos
			@ 2,932.00	Each	102620

SANITRY INSTALLATION

Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as

- 42 approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1	x	2	=	2	Nos
			Total	= 2	Nos
			@ 33004.00	Each	66,008

Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. (i) Plastic soap dish (ii)

- 43 Plastic toilet paper holder (iii) Plastic tower rail (iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing (v) Plastic Brush holder (vi) Looking glass with plastic frame (vii) Towel ring

1	x	2	=	2	Nos
			Total	= 2	Nos
			@ 7600.00	Each	15,200

- 44 Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1	x	2	=	2	Nos
			Total	= 2	Nos
			@ 7329.95	Each	14,660

- 45 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

2	x	1	=	2	Nos
			Total	= 2	Nos
			@ 6532.00	Each	13,064

46 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.ii) coloured

1 x 2 =

Total =

@ 2458.30

2 No
2 No
Each

4917

47 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.ii) coloured

1 x 2 =

Total =

@ 2649.10

2 No
2 No
Each

5298

48 Providing and fitting "P" trap:-ii) 10 cm (4") glazed.

1 x 3 =

Total =

@ 283.10

3 No
3 No
Each

849

49 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1 x 1 =

Total =

@ 19987.90

1 No
1 No
Each

19988

50 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). a) PN-20 pipe (ii) (3/4") 25 mm

5 x 13

Total

@ 66.50

65 Rft
65 Rft
P.Rft

4323

51 Providing, fixing, testing and commissioning of μ -PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v) 4" (110 mm)

Cast iron water down Pipe 4" i/c

4 x 10

325.95 Total

@ 247.25

40 Rft
40 Rft
P.Rft

13038/8690

52 Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity

1 x 2 =

Total =

@

19819.90

2 No
2 No
Each

39,640

INTERNAL ELECTRIC INSTALLATION

Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. (ii) 48 watt/4000 k

1	x	18	=	18	No
Total				=	18
@				14800.00	Each
					266,400

53 S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1	x	55	=	55	No
Total				=	55
@				1800.00	Each
					99,000

54 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gange

1	35.00	35	Nos
Total		35	Nos
@		1,162.50	Each
			40688

ii Large (iii) 04 Gange

1	22.00	22	Nos
Total		22	Nos
@		802.50	Each
			17655

iii (a) One way Gange Switch

1	14.00	14	Nos
Total		14	Nos
@		754.50	Each
			10563

55 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. P#141(3.iii) 1" Dia

1	x	65.00	x	x	65	Rft
Total					65	Rft
@					94.60	p.Rft
						6149

ii 3/4" i/d (25 mm i/d) PVC Pipe

1	x	57.00	x	x	57	Rft
Total					57	Rft
@					81.70	p.Rft
						4657

56 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):250/440 volts, PVC insulated-3/0.029"

1	x	195.00	x	x	195	Rft
Total					195	Rft
@					25.70	p.Rft
						5012

ii 7/0.029"

1	x	130.00	x	x	130	Rft
Total					130	Rft
@					40.75	p.Rft
						5298

45

57 Supply and erection of button holder.
i) bakelite large size

1 55.00

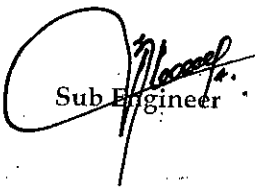
		55	Nos
		55	Nos
@	Total	53.75	Each
			2956

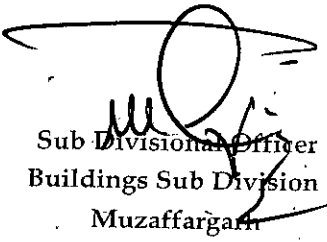
58 NUSRING COUNTER

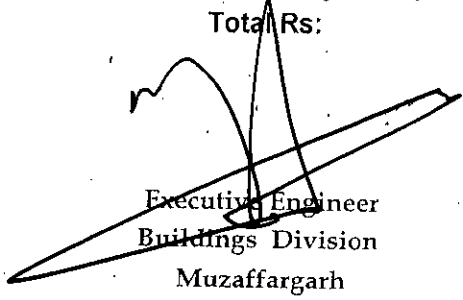
1 x 1

		=	1	No
		=	1	No
Total				
@	49609.50	Each		49,610

Total Rs: 210 33 838 ~~24737355~~
24202877


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Muzaffargarh


Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

OPERATION THEATER

RECOVERY OF OLD MATERIAL OF DOORS & WINDOWS

1. Old wooden Door

	1	x	6.50	x	8.5	55	Sft
D-2	3	x	4.50	x	8.5	115	Sft
D-8	6	x	4.00	x	8.5	204	Sft
D	1	x	10.00	x	8.5	85	Sft
D-1	4	x	3.50	x	8	112	Sft
D-3	2	x	4.00	x	7	56	Sft
D-13	10	x	5.00	x	8.5	425	Sft
	1	x	7.00	x	8.5	60	Sft
	1	x	6.50	x	8.5	55	Sft
	2	x	4.00	x	8.5	68	Sft
D-9 toilet ot	1	x	4.00	x	8.5	34	Sft
D-1	3	x	3.50	x	8	84	Sft
						1353	Sft
						270550	

2. Old Wooden windows

W-37	10	x	7.75	x	5.75	446	Sft
W-1	2	x	6.00	x	6	72	Sft
W-27	4	x	4.00	x	5.5	88	Sft
W-36	3	x	2.00	x	4	24	Sft
W-35	3	x	6.00	x	4	72	Sft
	2	x	2.50	x	5.5	28	Sft
CW	10	x	7.75	x	2	155	Sft
CW	1	x	3.50	x	2	7	Sft
CW	3	x	2.00	x	2	12	Sft
CW	3	x	5.00	x	2	30	Sft
CW	1	x	7.00	x	2	14	Sft
CW	1	x	4.00	x	2	8	Sft
						955	Sft
						191025	

3. RECOVERY OF OLD BRICK TILE

Take Qty of Dismantling 2nd class tile roofing

70% usable old tassu

7714	X	70	/	100		7714 Sft
5400	X	0.28				5400
2314	X	0.55				2314 Sft
						19285
						8245 Nos
						Rs. 26209/-

30% Bricks bats old tassu

7714	X	30	/	100		2314
2314	X	0.125				5400 Sft
						289
						675 Cft
						8678/-
						Rs. 8437/-

Total Rs:

566678/-
486301/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

2nd Bi-Annual 2022

**ABSTRACT OF COST
MEDICAL WARD**

1 REVAMPING

2 RECOVERY OF OLD MATERIAL

27735282
29572576/- P-56
= Rs. 29908877
1408944/- P-57
= -Rs. 1299976/-
26326338
28163632/-
Total = Rs. 28608906/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

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

MEDICAL WARD

1	a) Removing door with chowkat.	1	58.00				58	Nos	
						Total	58	Nos	
					@	438	Each		25404
2	b) Removing windows and sky lights with chowkat								
	w	1	77.00				77	Nos	
	CW	1	57.00				57	Nos	
						Total	134	Nos	
					@	341.5	Each		45761
3	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.								
	D13	14	x	5.50	x	8.5	655	Sft	
	D3	3	x	5.00	x	8.5	128	Sft	
	D8	2	x	4.00	x	8.5	68	Sft	
						Total	850	Sft	
					@	1437.6	P.Sft		1221960
4	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"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box, coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. (i) 15 " wide								
	D1	21	x	3.50	x	8.5	625	Sft	
	D8	2	x	4.00	x	8.5	68	Sft	
						Total	693	Sft	
					@	727.05	P.Sft		503664
5	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.								
	D1	21	x	1.50	x	1	32	Sft	
	D8	13	x	1.75	x	1.25	28	Sft	
						Total	60	Sft	
					@	205.7	P.Sft		12329
6	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.								
	D1	21	x	3.25	x	8.375	572	Sft	
	D8	2	x	3.75	x	8.375	63	Sft	
						Total	634	Sft	
					@	678.55	P.Sft		430476
7	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								
	D7	20	x	2.50	x	7	350	Sft	
						Total	350	Sft	
					@	1040	P.Sft		364000
8	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								
	W27	32	x	4.00	x	5.5	704	Sft	
	W35	9	x	5.00	x	5.5	248	Sft	
	W34	4	x	3.00	x	5.33	64	Sft	
	W36	8	x	2.00	x	3	48	Sft	
	W19	14	x	8.00	x	3	336	Sft	
						Total	1399	Sft	
					@	854.85	P.Sft		1196328

- 9 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc. as approved by the Engineer in-charge. Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

W27	32	x	4.00	x	5.5	704	Sft
W35	9	x	5.00	x	5.5	248	Sft
W34	4	x	3.00	x	5.33	64	Sft
W36	8	x	2.00	x	3	48	Sft
W19	14	x	8.00	x	3	336	Sft
						1399	Sft
						1348.40	Total
						1841.45	P.Sft

- 10 Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft. C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

W-19	14	x	8.00	x	3	336	Sft
						336	Sft
						1729	Total
						580944	P.Sft

- 11 Dismantling glazed or encaustic tiles, etc.

NS	1	x	10.50	x	11.833	x	=	124	Sft	
MO Room	1	x	10.50	x	11.833	x	=	124	Sft	
Room	2	x	11.75	x	11.75	x	=	276	Sft	
Toilet	4	x	5.50	x	10.5	x	=	231	Sft	
Medical Ward	2	x	22.00	x	47.75	x	=	2101	Sft	
NS2	1	x	11.83	x	22	x	=	260	Sft	
Toilet2	1	x	8.25	x	7	x	=	58	Sft	
Ortho ward	2	x	22.00	x	47.75	x	=	2101	Sft	
Store	4	x	11.83	x	10.5	x	=	497	Sft	
Toilet Block	2	x	22.00	x	20.66	x	=	909	Sft	
d/d Toilets in Toilet Block	16	x	4.00	x	5.25	x	=	336	Sft	
Private Room	2	x	10.50	x	11.833	x	=	248	Sft	
Gallery	2	x	174.75	x	7.833	x	=	2738	Sft	
Gallery	1	x	12.00	x	8	x	=	96	Sft	
NS	4	x	10.50	x	+	x	11.833	5	447	Sft
NS	2	x	10.50	x	+	x	11.833	5	223	Sft
MO Room	2	x	10.50	x	+	x	11.833	5	223	Sft
Room	4	x	11.75	x	+	x	11.75	5	470	Sft
Toilet	8	x	5.50	x	+	x	10.5	5	640	Sft
Medical Ward	4	x	22.00	x	+	x	47.75	5	1395	Sft
NS2	2	x	11.83	x	+	x	22	5	338	Sft
Toilet2	2	x	8.25	x	+	x	7	5	153	Sft
Ortho ward	4	x	22.00	x	+	x	47.75	5	1395	Sft
Store	8	x	11.83	x	+	x	10.5	5	893	Sft
Toilet Block	4	x	22.00	x	+	x	20.66	5	853	Sft
d/d Toilets in Toilet Block	32	x	4.00	x	+	x	5.25	5	1480	Sft
Private Room	4	x	10.50	x	+	x	11.833	5	447	Sft
Total =								48384	Sft	
								@	2335.85	%Sft.

- 12 c) Dismantling cement concrete 1:2:4 plain.

NS	1	x	10.50	x	11.833	x	0.125 =	16	Cft
MO Room	1	x	10.50	x	11.833	x	0.125 =	16	Cft
Room	2	x	11.75	x	11.75	x	0.125 =	35	Cft
Toilet	4	x	5.50	x	10.5	x	0.125 =	29	Cft
Medical Ward	2	x	22.00	x	47.75	x	0.125 =	263	Cft
NS2	1	x	11.83	x	22	x	0.125 =	33	Cft
Toilet2	1	x	8.25	x	7	x	0.125 =	7	Cft
Ortho ward	2	x	22.00	x	47.75	x	0.125 =	263	Cft
Store	4	x	11.83	x	10.5	x	0.125 =	62	Cft
Toilet Block	2	x	22.00	x	20.66	x	0.125 =	114	Cft
d/d Toilets in Toilet Block	-16	x	4.00	x	5.25	x	0.125 =	-42	Cft
Private Room	2	x	10.50	x	11.833	x	0.125 =	31	Cft
Gallery	2	x	174.75	x	7.833	x	0.125 =	342	Cft
Gallery	1	x	123.00	x	8	x	0.125 =	123	Cft
							Total =	1292	Cft
							@	11174.6	%Cft.

13 Cement plaster 1:4 upto 20' (6.00 m) height:-b) ½" (13 mm) thick after
~~Removing old cement or lime plaster.~~

NS	4	x	10.50	x	+	x	11.833	3	268	Sft
NS	2	x	10.50	x	+	x	11.833	5	223	Sft
MO Room	2	x	10.50	x	+	x	11.833	1	45	Sft
Room	4	x	11.75	x	+	x	11.75	3	282	Sft
Toilet	8	x	5.50	x	+	x	10.5	3	384	Sft
Medical Ward	4	x	22.00	x	+	x	47.75	1	279	Sft
NS2	2	x	11.83	x	+	x	22	2	135	Sft
Toilet2	2	x	8.25	x	+	x	7	4	122	Sft
Ortho ward	4	x	22.00	x	+	x	47.75	2	558	Sft
Store	8	x	11.83	x	+	x	10.5	2	357	Sft
Toilet Block	4	x	22.00	x	+	x	20.66	3	512	Sft
d/d Toilets in Toilet Block	32	x	4.00	x	+	x	5.25	1	296	Sft
Private Room	4	x	10.50	x	+	x	11.833	1	89	Sft
Total =									3551	Sft
\$241.60 + 425.3 @ 3664.9 %Sft										130137

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

NS	1	x	10.50	x	11.833	x	0.125 =	16	Cft
MO Room	1	x	10.50	x	11.833	x	0.125 =	16	Cft
Room	2	x	11.75	x	11.75	x	0.125 =	35	Cft
Toilet	4	x	5.50	x	10.5	x	0.125 =	29	Cft
Medical Ward	2	x	22.00	x	47.75	x	0.125 =	263	Cft
NS2	1	x	11.83	x	22	x	0.125 =	33	Cft
Toilet2	1	x	8.25	x	7	x	0.125 =	7	Cft
Ortho ward	2	x	22.00	x	47.75	x	0.125 =	263	Cft
Store	4	x	11.83	x	10.5	x	0.125 =	62	Cft
Toilet Block	2	x	22.00	x	20.66	x	0.125 =	114	Cft
d/d Toilets in Toilet Block	-16	x	4.00	x	5.25	x	0.125 =	-42	Cft
Private Room	2	x	10.50	x	11.833	x	0.125 =	31	Cft
Gallery	2	x	174.75	x	7.833	x	0.125 =	342	Cft
Gallery	1	x	123.00	x	8	x	0.125 =	123	Cft
Total =								1292	Cft

15 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 respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles(ii) 600mmx 600 mm

NS	1	x	10.50	x	11.833	x	=	124	Sft
MO Room	1	x	10.50	x	11.833	x	=	124	Sft
Room	2	x	11.75	x	11.75	x	=	276	Sft
Medical Ward	2	x	22.00	x	47.75	x	=	2101	Sft
NS2	1	x	11.83	x	22	x	=	260	Sft
Ortho ward	2	x	22.00	x	47.75	x	=	2101	Sft
Store	4	x	11.83	x	10.5	x	=	497	Sft
Private Room	2	x	10.50	x	11.833	x	=	248	Sft
Gallery	2	x	174.75	x	7.833	x	=	2738	Sft
Gallery	1	x	123.00	x	8	x	=	984	Sft
Dalls									
D1	21	x	3.50		x	1.125		83	Sft
D2	6	x	4.50		x	1.125		30	Sft
D8	2	x	4.00		x	1.125		9	Sft
D13	14	x	5.50		x	1.125		87	Sft
D3	3	x	5.00		x	1.125		17	Sft
Total								9679	Sft

16 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/ bond over ½" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed Tile(ii) 600mm x600 mm

NS	2	x	10.50	x	+	x	11.833	5	223	Sft
MO Room	2	x	10.50	x	+	x	11.833	5	223	Sft
Room	4	x	11.75	x	+	x	11.75	5	470	Sft
Medical Ward	4	x	22.00	x	+	x	47.75	5	1395	Sft
NS2	2	x	11.83	x	+	x	22	5	338	Sft

Ortho ward	4	x	22.00	x	+	x	47.75	5	1395	Sft
Store	8	x	11.83	x	+	x	10.5	5	893	Sft
Private Room	4	x	10.50	x	+	x	11.833	5	447	Sft
Gallery	4	x	174.75	x	+	x	7.833	5	3652	Sft
Gallery	2	x	123.00	x	+	x	8	5	1310	Sft
Deduction										
D1	-2	x	21	x	3.50	x	3		-441	Sft
D2	-2	x	6	x	4.50	x	3		-162	Sft
D8	-2	x	2	x	4.00	x	3		-48	Sft
D13	-2	x	14	x	5.50	x	3		-462	Sft
D3	-2	x	3	x	5.00	x	3		-90	Sft
								Total	9144	Sft
								@	340.5	P-Sft
										3113406

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

Toilet	4	x	5.50	x	10.5	x	=		231	Sft
Toilet2	1	x	8.25	x	7	x	=		58	Sft
Toilet Block	2	x	22.00	x	20.66	x	=		909	Sft
								Total	1198	Sft
								@	239.9	P-Sft
										287400

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

Toilet	8	x	5.50	x	+	x	10.5	7	896	Sft
Toilet2	2	x	8.25	x	+	x	7	7	214	Sft
Toilet Block	4	x	22.00	x	+	x	20.66	7	1194	Sft
Toilets	32	x	4.00	x			7		896	Sft
								Total	3200	Sft
								@	292.65	P-Sft
									2395	700897/

19 Pacca brick work other than building upto 10ft. (3 m) height:- Ratio 1:4

Vanity	2	x	2.50	x	3	x	2.5		38	cft
Vanity	4	x	2.50	x	0.375	x	2.5		9	cft
CW	42	x	4.00	x	1.125	x	2		378	cft
CW	8	x	4.00	x	1.125	x	2		72	cft
CW	3	x	5.00	x	1.125	x	2		34	cft
CW	1	x	3.00	x	1.125	x	2		7	cft
CW	3	x	2.00	x	1.125	x	2		14	cft
								Total	551	cft
								@	31,336.30	% cft
										172624

20 Dismantling brick work in lime or cement mortar.

Parapit	1	x	174.00	x	0.75	x	3		392	cft
Parapit	1	x	34.50	x	0.75	x	3		78	cft
							Total =		469	Cft
							@	4317.45	%Cft.	20254

20 Pacca brick work in ground floor:- i) cement, sand mortar:- i) Ratio 1:6

Parapit	1	x	174.00	x	0.75	x	3		392	cft
Parapit	1	x	34.50	x	0.75	x	3		78	cft
Below Roof	3	x	174.00	x	1.125	x	2		1175	cft
	6	x	23.00	x	1.125	x	2		311	cft
	2	x	34.50	x	1.125	x	2		155	cft
							Total		2109	cft
							@	30,762.50	% cft	648896

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

Vanity	4	x	2.00	x	2.5	x	2.5 =		50	Sft
Parapit	1	x	174.00	x		x	3.75		653	Sft
Parapit	1	x	34.50	x		x	3.75		129	Sft
Below Roof	2	x	3	x	174.00	x	2		2088	cft
	2	x	6	x	23.00	x	2		552	cft
	2	x	2	x	34.50	x	2		276	cft
CW	2	x	42	x	4.00	x	2		672	Sft
CW	2	x	8	x	4.00	x	2		128	Sft
CW	2	x	3	x	5.00	x	2		60	Sft
CW	2	x	1	x	3.00	x	2		12	Sft
CW	2	x	3	x	2.00	x	2		24	Sft
							Total =		4644	Sft
							@	3092.10	%Sft.	143593

- 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. (i) 3/4" thick

Vanity	4	x	2.50	x	3	=			
						Total =	30	Sft	
						@	1308.95	P.Sft.	39269

- 22 (a) (i) 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:- (3) Type C (nominal mix 1: 2: 4)

Vanity	4	x	2.50	x	3	x	0.333 =	10	Cft
Medical Ward Roof	1	x	174.00	x	34.5	x	0.5 =	3002	Cft
Medical Ward Roof beam	16	x	26.00	x	1.5 1.00	x	2 =	832-1248	Cft
						Total =		3844-2680	Cft
						@	556.50	P.Cft.	3370690

- 23 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):-
(a) Plain bars (b) Deformed bars (Grade-40)

Vanity	1	x	3844	x	6.75	x	0.454 =	11780	
			4260.00	x				13055	Kg
						Total =		11780 + 13055	Kg
						@	31420.10	%KG	4101094

- 24 Preparing surface and painting with emulsion paint:-27.12 :-b)old surface:-ii) two coats i/c scrapping & applying wall putty of 2mm thick

Walls									
NS	2	x	10.50	x	+	x	11.833	14	625 Sft
MO Room	2	x	10.50	x	+	x	11.833	14	625 Sft
Room	4	x	11.75	x	+	x	11.75	14	1316 Sft
Toilet	8	x	5.50	x	+	x	10.5	14	1792 Sft
Medical Ward	4	x	22.00	x	+	x	47.75	14	3906 Sft
NS2	2	x	11.83	x	+	x	22	14	947 Sft
Toilet2	2	x	8.25	x	+	x	7	14	427 Sft
Ortho ward	4	x	22.00	x	+	x	47.75	14	3906 Sft
Store	8	x	11.83	x	+	x	10.5	14	2501 Sft
Toilet Block	4	x	22.00	x	+	x	20.66	14	2389 Sft
Private Room	4	x	10.50	x	+	x	11.833	14	1251 Sft
Gallery	4	x	174.75	x	+	x	7.833	14	10225 Sft
Gallery	2	x	123.00	x	+	x	8	14	3668 Sft
Ceiling									
NS	1	x	10.50	x	11.833	x	=	124	Sft
MO Room	1	x	10.50	x	11.833	x	=	124	Sft
Room	2	x	11.75	x	11.75	x	=	276	Sft
Toilet	4	x	5.50	x	10.5	x	=	231	Sft
Medical Ward	2	x	22.00	x	47.75	x	=	2101	Sft
NS2	1	x	11.83	x	22	x	=	260	Sft
Toilet2	1	x	8.25	x	7	x	=	58	Sft
Ortho ward	2	x	22.00	x	47.75	x	=	2101	Sft
Store	4	x	11.83	x	10.5	x	=	497	Sft
d/d Toilets in Toilet Block	16	x	4.00	x	5.25	x	=	336	Sft
Private Room	2	x	10.50	x	11.833	x	=	248	Sft
Gallery	2	x	174.75	x	7.833	x	=	2738	Sft
Gallery	1	x	123.00	x	8	x	=	984	Sft
Deduction									
D7	16	x	2.50			x	4	160	Sft
D1	21	x	3.50			x	5.5	404	Sft
D2	6	x	4.50			x	5.5	149	Sft
D8	2	x	4.00			x	5.5	44	Sft
D13	14	x	5.50			x	5.5	424	Sft
D3	3	x	5.00			x	5.5	83	Sft
W27	32	x	4.00			x	5.5	704	Sft
W35	9	x	5.00			x	5.5	248	Sft
W34	3	x	3.00			x	5.33	48	Sft
W36	8	x	2.00			x	3	48	Sft
W19	14	x	8.00			x	3	336	Sft

Total 46303 Sft
@ 3167.6 % Sft 1466686

- | | | |
|----|---|------|
| 14 | X | 5.00 |
| 14 | Y | 5.00 |

26 Cement pointing struck joints, on walls, upto 20' (6.00 m) height: -a) ratio 1:2 i/c red oxide

Parapit	2	x	176.00	x	+	x	65.5
Parapit	1	x	74.00	x		x	3
Parapit	1	x	34.50	x		x	3

3516.15	+	652.5	@	4168.65	% Sft	53838
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- $$2 \quad x \quad 176.00 \quad | \quad x \quad + \quad x \quad 65.5 \quad 20.5 \quad 9902 \quad \text{Sft}$$

W27	-10	x	4.00	x	5.5	-220	Sft
W35	-3	x	5.00	x	5.5	-83	Sft
W34	-1	x	3.00	x	5.33	-16	Sft
W36	-4	x	2.00	x	3	-24	Sft
W19	-14	x	8.00	x	3	-336	Sft

	550	Sft
Total	9223	Sft

- ## Roof

1	x	176.00	x	66.5	11704	Sft
---	---	--------	---	------	-------	-----

Total	11704	Sft
-------	-------	-----

- ### Roof

$$1 \quad \times 176.00 \times 66.5 \times 0.333 \quad 3897 \quad \text{Cft}$$

Total	3897	Cft	
2539.7	%oCft		9898

- ## Roof

1	x	176.00	x	66.5	11704	Sft
---	---	--------	---	------	-------	-----

Total	11704	Sft
9459.55	% Sft	1107146

- Roof

1 x 176.00 x 66.5 11704 Sft

Total	11704	Sft
1947.25	% Sft	1398306

- | | | | |
|---|-------|----|-----|
| 1 | 12.00 | 12 | Nov |
|---|-------|----|-----|

Total	12	Nos
-------	----	-----

- 2 x 96.00

Total	192	Rft
389.1	P.Rft	74707

- | | |
|---|-------|
| 1 | 58.00 |
|---|-------|

Total	58	Nos
2932	Each	170056

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

Medical Ward Roof

1	x	174.00	x	34.5	x	0.5	=	3002	Cft
Total							=	3002	Cft
@							=	18285.70	%Cft.

548937

SANITRY INSTALLATION

Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii)

34 Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall r(v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1	x	2	=	2	Nos
Total					Nos
@					66,008
					33004 Each

Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. i) Plastic soap

35 dish ii) Plastic toilet paper holder iii) Plastic tower rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing v) Plastic Brush holderv) Looking glass with plastic frame vii) Towel ring

1	x	2	=	2	Nos
Total					Nos
@					15,200
					7600 Each

Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

36

1	x	2	=	2	Nos
Total					Nos
@					14,660
					7329.95 Each

Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

37

Vanity

2	x	1	=	2	Nos
Total					Nos
@					13,064
					6532.00 Each

38 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. ii) coloured

1	x	14	=	14	No
Total					No
@					34416
					2458.30 Each

39 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured

1	x	14	=	14	No
Total					No
@					37087/-
					2649.10 Each

40 Providing and fitting "P" trap: ii) 10 cm (4") glazed.

1	x	20	=	20	No
Total					No
@					5662
					283.10 Each

41 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1	x	2	=	2	No
Total					No
@					39976
					19987.90 Each

- 42 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). a) PN-20 pipe (ii) (3/4") 25 mm

8 x 13
Cast iron Pipe water down 4" i/d

- 43 Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/ Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v) 4" (110 mm)

Total 66.5 P.Rft 104 Rft 104 6916

8 x 10

@ 32595 Total 247.25 P.Rft 80 Rft 80 26076

- 44 Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge. (i) 15 Gal capacity

1 x 4

Total 19819.9 Each 4 No 79,280

INTERNAL ELECTRIC INSTALLATION

- 45 S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1 x 65

Total 1800 Each 65 No 117,000

- 46 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gange

1 57.00

Total 1,162.50 Each 57 Nos 66263

- ii Large (iii) 04 Gange

1 8.00

Total 802.50 Each 8 Nos 6420

- iii (a) One way Gange Switch Small (viii) Three Pin Power Plug 15-32 Amp

1 38.00

Total 754.50 Each 38 Nos 28671

- 47 Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.

1 26.00

Total 67.8 Each 26 Nos 1763

- 48 S/E of ceiling Fan 56" Sweep best quality as approved by the Engineer incharge

1 26.00

Total 7100 Each 26 Nos 184600

- 49 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. P#141(3.iii) 1" Dia

1 x 470.00 x x

Total 94.60 p.Rft 470 Rft 44462

- ii 3/4" i/d (25 mm i/d) PVC Pipe

1 x 650.00 x x

Total 81.70 p.Rft 650 Rft 53105

- 50 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only): 250/440 volts, PVC insulated- 3/0.029"

5 x 270.00 x x

Total 25.70 p.Rft 1350 Rft 34695

- ii 7/0.029"

3 x 270.00 x x

Total 40.75 p.Rft 810 Rft 33008

ii v) 7/1.12 mm (7/0.044")

6 x 1.00 x 270 x

	1620	Rft
Total	1620	Rft
@	75.10 p.Rft	121662

51 Supply and erection of button holder.
i) bakelite large size

1 65.00

	65	Nos
Total	65	Nos
@	53.75	Each 3494

52 NUSRING COUNTER

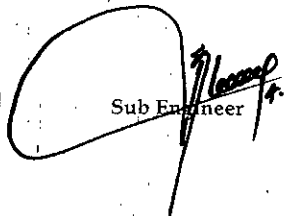
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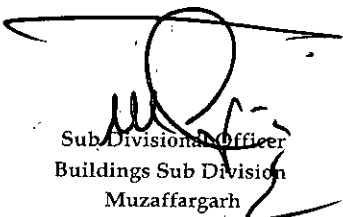
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Total	=	2	Nos
@	49610	Each	99,219

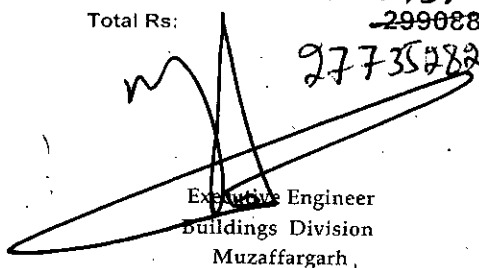
Total Rs:

~~29572574~~
~~29908882~~

27735282


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Muzaffargarh


Executive Engineer
Buildings Division
Muzaffargarh

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

RECOVERY OF OLD MATERIAL OF DOORS & WINDOWS

D13	1	x			x		1	Sft	
D3	14	x	5.50		x	8.5	655	Sft	
D8	3	x	5.00		x	8.5	128	Sft	
D1	2	x	4.00		x	8.5	68	Sft	
D8	21	x	3.50		x	8.5	625	Sft	
D7	2	x	4.00		x	8.5	68	Sft	
	20	x	2.50		x	7	350	Sft	
							1894	Sft	
					@	200.00	P.Sft		

W27	32	x	4.00	x	5.5	704	Sft
W35	9	x	5.00	x	5.5	248	Sft
W34	4	x	3.00	x	5.33	64	Sft
W36	8	x	2.00	x	3	48	Sft
W19	14	x	8.00	x	3	336	Sft
W-37	10	x	7.75	x	5.75	446	Sft
CW	42	x	4.00	x	2	336	Sft
CW	8	x	4.00	x	2	64	Sft
CW	3	x	5.00	x	2	30	Sft
CW	1	x	3.00	x	2	6	Sft
CW	3	x	2.00	x	2	12	Sft
						2293	Sft
				@	200.00	P.Sft	

Total = 11944 Sft
 11944 X 70 / 100 = 8361
 8361 / 0.28 = 3583 Sft
 3583 x 3.55 = 29860
 29860 Nos
 42729 Nos
 149300 /
 Rs 40705 /-

~~1194~~ x 30
 41944 X ~~70~~ / 100
 3583
~~8361~~ x 0.125
 @ ~~3000~~ / 1,250.00 = %Cft
 3583
 8361 Sft
 448
 4045 Cft
 13437 /
 Rs 13064 / -

1	x	3002.00	x	2.5	x		0.454 =		3407	Kg
						Total =			<u>3407</u>	Kg
						@	120.00	P.Kg		408840

Total Rs:

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

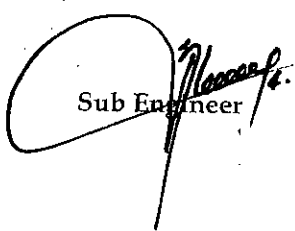
Revised
**ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING
 OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ
 MUZAFFARGARH. ADP NO. 660 FOR YEAR 2022-23 (ON DETAILED
 BASIS)**

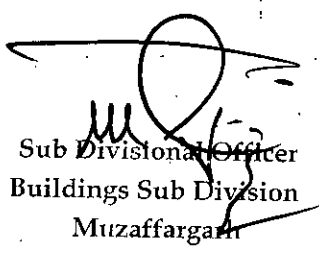
2nd Bi-Annual 2022

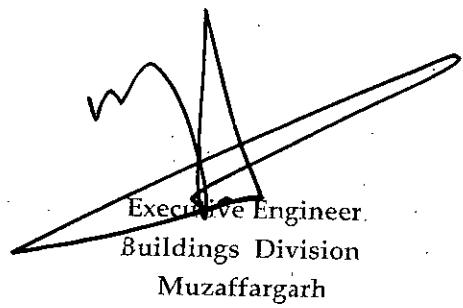
**ABSTRACT OF COST
INDOOR BLOCK**

- 1 REVAMPING
- 2 RECOVERY OF OLD MATERIAL

14801469
~~15546396/-~~ P-60
 = Rs. ~~15845206/-~~
 512543/- P-69
 = -Rs. ~~447444/-~~
 14288926 ~~15033853/-~~
 Total = Rs. ~~15397762/-~~


 Sub Engineer


 Sub Divisional Officer
 Buildings Sub Division
 Muzaffargarh


 Executive Engineer
 Buildings Division
 Muzaffargarh

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

1 a) Removing door with chowkat.

Page 150

- 8 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness, including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer in-charge, complete in all respect

W30	8	x	3.00	x	6		384	Sft
W10	15	x	6.00	x	4		360	Sft
W32A	4	x	8.25	x	4		132	Sft
W32	6	x	3.00	x	3		54	Sft
W31	4	x	6.00	x	2		48	Sft
W	1	x	7.00	x	11		77	Sft
W16	2	x	6.00	x	6		72	Sft
W29	4	x	5.75	x	6		138	Sft
							1265	Sft
							1265	Sft

→ Fly Screen

1265/2 = 633

1346.40

+ 493.05

@ 493.05/sft

1346.40

Total

1841.45

P.Sft

1705726

2320434

311854

- 9 Dismantling glazed or encaustic tiles, etc.

Corridor	1	x	71.66	x	8		573	Sft
	1	x	62.16	x	8		497	Sft
	1	x	52.33	x	11.75		615	Sft
	1	x	12.33	x	8		99	Sft
	1	x	14.91	x	16		239	Sft
	1	x	8.00	x	8		64	Sft
Bay	2	x	29.83	x	19		1134	Sft
NS	1	x	9.25	x	9.833		91	Sft
Office	1	x	14.16	x	21		297	Sft
Opening	1	x	12.125	x	7		85	Sft
Ward	1	x	29.83	x	21		626	Sft
NS	1	x	10.83	x	9.25		100	Sft
	1	x	5.00	x	6.33		32	Sft
CCU Ward	1	x	6.00	x	5		30	Sft
	1	x	23.75	x	21		499	Sft
	1	x	5.50	x	9.33		51	Sft
Store	1	x	5.00	x	4.66		23	Sft
NS	1	x	19.00	x	19.5		371	Sft
Private Room	1	x	10.33	x	9.833		102	Sft
ETT Room	1	x	12.75	x	16		204	Sft
Store	2	x	12.75	x	16		408	Sft
ECG Room	1	x	15.00	x	19		285	Sft
ECG Room Male	1	x	10.00	x	11		110	Sft
Sitting Area	1	x	23.50	x	14.33		337	Sft
Washroom	9	x	6.00	x	4.5		243	Sft
	3	x	5.91	x	4.66		83	Sft
Corridor	2	x	71.66	x	8		49	Sft
	2	x	62.16	x	8		631	Sft
	2	x	52.33	x	11.75		577	Sft
	2	x	12.33	x	8		183	Sft
	2	x	14.91	x	16		278	Sft
	2	x	8.00	x	8		144	Sft
Bay	4	x	29.83	x	19		879	Sft
NS	2	x	9.25	x	9.833		172	Sft
Office	2	x	14.16	x	21		316	Sft
Opening	2	x	12.125	x	7		172	Sft
Ward	2	x	29.83	x	21		457	Sft
NS	2	x	10.83	x	9.25		181	Sft
	2	x	5.00	x	6.33		102	Sft
CCU Ward	2	x	6.00	x	5		99	Sft
	2	x	23.75	x	21		403	Sft
	2	x	5.50	x	9.33		133	Sft
Store	2	x	5.00	x	4.66		87	Sft
NS	2	x	19.00	x	19.5		347	Sft
Private Room	2	x	10.33	x	9.833		181	Sft
	2	x	12.75	x	16		259	Sft

ETT Room	2 x	12.75	x	+	x	16	4.5	259	Sft
Store	4 x	12.75	x	+	x	16	4.5	518	Sft
ECG Room	2 x	15.00	x	+	x	19	4.5	306	Sft
ECG Room Male	2 x	10.00	x	+	x	11	4.5	189	Sft
Sitting Area	2 x	23.50	x	+	x	14.33	4.5	340	Sft
Washroom	18 x	6.00	x	+	x	4.5	4.5	851	Sft
	6 x	5.91	x	+	x	4.66	4.5	285	Sft
	4 x	7.00	x	+	x	3.5	4.5	189	Sft
Total =							9955	2335.85	16706 Sft
@								%Sft.	216183

10 Cement plaster 1:4 upto 20' (6.00 m) height:-b) ½" (13 mm) thick after Removing old cement or lime plaster.

Corridor	2 x	71.66	x	+	x	8	1	159	Sft
	2 x	62.16	x	+	x	8	2	281	Sft
	2 x	52.33	x	+	x	11.75	4	513	Sft
	2 x	12.33	x	+	x	8	1	41	Sft
	2 x	14.91	x	+	x	16	4	247	Sft
	2 x	8.00	x	+	x	8	1	32	Sft
Bay	4 x	29.83	x	+	x	19	3	586	Sft
NS	2 x	9.25	x	+	x	9.833	2	76	Sft
Office	2 x	14.16	x	+	x	21	3	211	Sft
Opening	2 x	12.125	x	+	x	7	1	38	Sft
Ward	2 x	29.83	x	+	x	21	1	102	Sft
NS	2 x	10.83	x	+	x	9.25	2	80	Sft
	2 x	5.00	x	+	x	6.33	3	68	Sft
	2 x	6.00	x	+	x	5	2	44	Sft
CCU Ward	2 x	23.75	x	+	x	21	3	269	Sft
	2 x	5.50	x	+	x	9.33	3	89	Sft
	2 x	5.00	x	+	x	4.66	3	58	Sft
Store	2 x	19.00	x	+	x	19.5	1	77	Sft
NS	2 x	10.33	x	+	x	9.833	3	121	Sft
Private Room	2 x	12.75	x	+	x	16	4	230	Sft
ETT Room	2 x	12.75	x	+	x	16	1	58	Sft
Store	4 x	12.75	x	+	x	16	3	345	Sft
ECG Room	2 x	15.00	x	+	x	19	1	68	Sft
ECG Room Male	2 x	10.00	x	+	x	11	4	168	Sft
Sitting Area	2 x	23.50	x	+	x	14.33	3	227	Sft
Washroom	18 x	6.00	x	+	x	4.5	4	756	Sft
	6 x	5.91	x	+	x	4.66	2	127	Sft
	4 x	7.00	x	+	x	3.5	3	126	Sft
Total =								5196	Sft
@								%Sft.	190420

11 c) Dismantling cement concrete 1:2:4plain.

Corridor	1	x	71.66	x	8	x	0.125 =	72	Cft
	1	x	62.16	x	8	x	0.125 =	62	Cft
	1	x	52.33	x	11.75	x	0.125 =	77	Cft
	1	x	12.33	x	8	x	0.125 =	12	Cft
	1	x	14.91	x	16	x	0.125 =	30	Cft
	1	x	8.00	x	8	x	0.125 =	8	Cft
Bay	2	x	29.83	x	19	x	0.125 =	142	Cft
NS	1	x	9.25	x	9.833	x	0.125 =	11	Cft
Office	1	x	14.16	x	21	x	0.125 =	37	Cft
Opening	1	x	12.125	x	7	x	0.125 =	11	Cft
Ward	1	x	29.83	x	21	x	0.125 =	78	Cft
NS	1	x	10.83	x	9.25	x	0.125 =	13	Cft
	1	x	5.00	x	6.33	x	0.125 =	4	Cft
	1	x	6.00	x	5	x	0.125 =	4	Cft
CCU Ward	1	x	23.75	x	21	x	0.125 =	62	Cft
	1	x	5.50	x	9.33	x	0.125 =	6	Cft
	1	x	5.00	x	4.66	x	0.125 =	3	Cft
Store	1	x	19.00	x	19.5	x	0.125 =	46	Cft
NS	1	x	10.33	x	9.833	x	0.125 =	13	Cft
Private Room	1	x	12.75	x	16	x	0.125 =	26	Cft
ETT Room	1	x	12.75	x	16	x	0.125 =	26	Cft

62

Store	2	x	12.75	x	16	x	0.125 =	51	Cft
ECG Room	1	x	15.00	x	19	x	0.125 =	36	Cft
ECG Room Male	1	x	10.00	x	11	x	0.125 =	14	Cft
Sitting Area	1	x	23.50	x	14.33	x	0.125 =	42	Cft
Washroom	9	x	6.00	x	4.5	x	0.125 =	30	Cft
	3	x	5.91	x	4.66	x	0.125 =	10	Cft
	2	x	7.00	x	3.5	x	0.125 =	6	Cft
Total =								932	Cft
@								11174.6	%Cft.

104147

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

Corridor	1	x	71.66	x	8	x	0.125 =	72	Cft
	1	x	62.16	x	8	x	0.125 =	62	Cft
	1	x	52.33	x	11.75	x	0.125 =	77	Cft
	1	x	12.33	x	8	x	0.125 =	12	Cft
	1	x	14.91	x	16	x	0.125 =	30	Cft
	1	x	8.00	x	8	x	0.125 =	8	Cft
Bay	2	x	29.83	x	19	x	0.125 =	142	Cft
NS	1	x	9.25	x	9.833	x	0.125 =	11	Cft
Office	1	x	14.16	x	21	x	0.125 =	37	Cft
Opening	1	x	12.125	x	7	x	0.125 =	11	Cft
Ward	1	x	29.83	x	21	x	0.125 =	78	Cft
NS	1	x	10.83	x	9.25	x	0.125 =	13	Cft
	1	x	5.00	x	6.33	x	0.125 =	4	Cft
	1	x	6.00	x	5	x	0.125 =	4	Cft
CCU Ward	1	x	23.75	x	21	x	0.125 =	62	Cft
	1	x	5.50	x	9.33	x	0.125 =	6	Cft
	1	x	5.00	x	4.66	x	0.125 =	3	Cft
Store	1	x	19.00	x	19.5	x	0.125 =	46	Cft
NS	1	x	10.33	x	9.833	x	0.125 =	13	Cft
Private Room	1	x	12.75	x	16	x	0.125 =	26	Cft
ETT Room	1	x	12.75	x	16	x	0.125 =	26	Cft
Store	2	x	12.75	x	16	x	0.125 =	51	Cft
ECG Room	1	x	15.00	x	19	x	0.125 =	36	Cft
ECG Room Male	1	x	10.00	x	11	x	0.125 =	14	Cft
Sitting Area	1	x	23.50	x	14.33	x	0.125 =	42	Cft
Washroom	9	x	6.00	x	4.5	x	0.125 =	30	Cft
	3	x	5.91	x	4.66	x	0.125 =	10	Cft
	2	x	7.00	x	3.5	x	0.125 =	6	Cft
Total =								932	Cft
@								38126.1	%Cft.

355395

13 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) 600mm x 600 mm

Corridor	1	x	71.66	x	8	x	=	573	Sft
	1	x	62.16	x	8	x	=	497	Sft
	1	x	52.33	x	11.75	x	=	615	Sft
	1	x	12.33	x	8	x	=	99	Sft
	1	x	14.91	x	16	x	=	239	Sft
	1	x	8.00	x	8	x	=	64	Sft
Bay	2	x	29.83	x	19	x	=	1134	Sft
NS	1	x	9.25	x	9.833	x	=	91	Sft
Office	1	x	14.16	x	21	x	=	297	Sft
Opening	1	x	12.125	x	7	x	=	85	Sft
Ward	1	x	29.83	x	21	x	=	626	Sft
NS	1	x	10.83	x	9.25	x	=	100	Sft
	1	x	5.00	x	6.33	x	=	32	Sft
	1	x	6.00	x	5	x	=	30	Sft
CCU Ward	1	x	23.75	x	21	x	=	499	Sft
	1	x	5.50	x	9.33	x	=	51	Sft
	1	x	5.00	x	4.66	x	=	23	Sft
Store	1	x	19.00	x	19.5	x	=	371	Sft

65

NS	1	x	10.33	x	9.833	x	=		
Private Room	1	x	12.75	x	16	x	=	102	Sft
ETT Room	1	x	12.75	x	16	x	=	204	Sft
Store	2	x	12.75	x	16	x	=	204	Sft
ECG Room	1	x	15.00	x	19	x	=	408	Sft
ECG Room Male	1	x	10.00	x	11	x	=	285	Sft
Sitting Area	1	x	23.50	x	14.33	x	=	110	Sft
Dalls								337	Sft
D13	6	x	5.50	x	1.125			37	Sft
D	1	x	6.25	x	1.125			7	Sft
D	1	x	8.00	x	1.125			9	Sft
D1	5	x	3.50	x	1.125			20	Sft
D7	3	x	2.50	x	1.125			8	Sft
D	1	x	3.50	x	1.125			4	Sft
								7161	Sft
								Total	
								340.5	
								@	
								P-Sft	

- 14 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 Tile(ii) 600mm x600 mm

Corridor	2	x	71.66	x	+	x	8	4.5	717	Sft
	2	x	62.16	x	+	x	8	4.5	631	Sft
	2	x	52.33	x	+	x	11.75	4.5	577	Sft
	2	x	12.33	x	+	x	8	4.5	183	Sft
	2	x	14.91	x	+	x	16	4.5	278	Sft
	2	x	6.00	x	+	x	8	4.5	144	Sft
Bay	4	x	29.83	x	+	x	19	4.5	879	Sft
NS	2	x	9.25	x	+	x	9.833	4.5	172	Sft
Office	2	x	14.16	x	+	x	21	4.5	316	Sft
Opening	2	x	12.125	x	+	x	7	4.5	172	Sft
Ward	2	x	29.83	x	+	x	21	4.5	457	Sft
NS	2	x	10.83	x	+	x	9.25	4.5	181	Sft
	2	x	5.00	x	+	x	6.33	4.5	102	Sft
	2	x	6.00	x	+	x	5	4.5	99	Sft
CCU Ward	2	x	23.75	x	+	x	21	4.5	403	Sft
	2	x	5.50	x	+	x	9.33	4.5	133	Sft
	2	x	5.00	x	+	x	4.66	4.5	87	Sft
Store	2	x	19.00	x	+	x	19.5	4.5	347	Sft
NS	2	x	10.33	x	+	x	9.833	4.5	181	Sft
Private Room	2	x	12.75	x	+	x	16	4.5	259	Sft
ETT Room	2	x	12.75	x	+	x	16	4.5	259	Sft
Store	4	x	12.75	x	+	x	16	4.5	518	Sft
ECG Room	2	x	15.00	x	+	x	19	4.5	306	Sft
ECG Room Male	2	x	10.00	x	+	x	11	4.5	189	Sft
Sitting Area	2	x	23.50	x	+	x	14.33	4.5	340	Sft
Deduction										
D13	-2	x	6	x	5.50	x	4.5		-297	Sft
D	-2	x	1	x	6.25	x	4.5		-13	Sft
D	-2	x	1	x	8.00	x	4.5		-16	Sft
D1	-2	x	5	x	3.50	x	4.5		-158	Sft
D7	-2	x	3	x	2.50	x	4.5		-68	Sft
D	-2	x	1	x	3.50	x	4.5		-7	Sft
									7373	Sft
								Total		
								340.5		
								@		
								P-Sft		

2510455

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

Washroom	9	x	6.00	x	4.5	x	=	243	Sft
	3	x	5.91	x	4.66	x	=	83	Sft
	2	x	7.00	x	3.5	x	=	49	Sft
								375	Sft
								Total	
								239.9	P-Sft
							@		

89963

(64)

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

Washroom	18 x	6.00	x	+	x	4.5	7	1323	Sft
	6 x	5.91	x	+	x	4.66	7	444	Sft
	4 x	7.00	x	+	x	3.5	7	294	Sft
D3	-11 x	2.50	x					-193	Sft
D	-1 x	3.00	x					-21	Sft
								1847	Sft

Total 292.65 P-Sft 540653

- 17 Pacca brick work other than building upto 10ft. (3 m) height:- Ratio 1:4

Vanity	12 x	2.50	x	3	x	2.5		225	cft
Vanity	24 x	2.50	x	0.375	x	2.5		56	cft
								281	cft

Total 31,336.30 % cft 88433

- 18 Cement plaster 1:5 upto 20" (6.00 mm) height:- b) 1/2" (13 mm) thick

Vanity	24 x	2.00	x	2.5	x	2.5		300	Sft
								200	Sft

Total = 3092.10 %Sft. 9276

- 19 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. (i) 3/4" thick

Vanity	24 x	2.50	x	3				180	Sft
								180	Sft

Total = 1308.95 P.Sft. 235611

- 20 (a) (i) 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:- (3) Type C (nominal mix 1: 2: 4)

Vanity	24 x	2.50	x	3	x	0.333		60	Cft
								60	Cft

Total = 556.50 P.Cft. 33390

- 21 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):-
(a) Plain bars (b) Deformed bars (Grade-40)

Vanity	1 x	60.00	x	6.75	x	0.454		184	Kg
								184	Kg

Total = 31420.10 %KG 57813

- 22 Preparing surface and painting with emulsion paint:- 27.12 :- b) old surface:- ii) two coats i/c scrapping & applying wall putty of 2mm thick

Walls									
Corridor									
	2 x	71.66	x	+	x	8	8	1275	Sft
	2 x	62.16	x	+	x	8	8	1123	Sft
	2 x	52.33	x	+	x	11.75	8	1025	Sft
	2 x	12.33	x	+	x	8	8	325	Sft
	2 x	14.91	x	+	x	16	8	495	Sft
	2 x	8.00	x	+	x	8	8	256	Sft
Bay									
	4 x	29.83	x	+	x	19	8	1563	Sft
NS									
	2 x	9.25	x	+	x	9.833	8	305	Sft
Office									
	2 x	14.16	x	+	x	21	8	563	Sft
Opening									
	2 x	12.125	x	+	x	7	8	306	Sft
Ward									
	2 x	29.83	x	+	x	21	8	813	Sft
NS									
	2 x	10.83	x	+	x	9.25	8	321	Sft
	2 x	5.00	x	+	x	6.33	8	181	Sft
	2 x	6.00	x	+	x	5	8	176	Sft
CCU Ward									
	2 x	23.75	x	+	x	21	8	716	Sft
	2 x	5.50	x	+	x	9.33	8	237	Sft
	2 x	5.00	x	+	x	4.66	8	155	Sft
Store									
	2 x	19.00	x	+	x	19.5	8	616	Sft
NS									
	2 x	10.33	x	+	x	9.833	8	323	Sft
Private Room									
	2 x	12.75	x	+	x	16	8	460	Sft
ETT Room									
	2 x	12.75	x	+	x	16	8	460	Sft
Store									
	4 x	12.75	x	+	x	16	8	920	Sft
ECG Room									
	2 x	15.00	x	+	x	19	8	544	Sft
ECG Room Male									
	2 x	10.00	x	+	x	11	8	336	Sft

Sitting Area	2 x	23.50	x	+	x	14.33	8	605	Sft
Washroom	18 x	6.00	x	+	x	4.5	8	1512	Sft
	6 x	5.91	x	+	x	4.66	8	507	Sft
	4 x	7.00	x	+	x	3.5	8	336	Sft
Ceiling									
Corridor	1	x	71.66	x	8	x	=	573	Sft
	1	x	62.16	x	8	x	=	497	Sft
	1	x	52.33	x	11.75	x	=	615	Sft
	1	x	12.33	x	8	x	=	99	Sft
	1	x	14.91	x	16	x	=	239	Sft
	1	x	8.00	x	8	x	=	64	Sft
Bay	2	x	29.83	x	19	x	=	1134	Sft
NS	1	x	9.25	x	9.833	x	=	91	Sft
Office	1	x	14.16	x	21	x	=	297	Sft
Opening	1	x	12.125	x	7	x	=	85	Sft
Ward	1	x	29.83	x	21	x	=	626	Sft
NS	1	x	10.83	x	9.25	x	=	100	Sft
	1	x	5.00	x	6.33	x	=	32	Sft
	1	x	6.00	x	5	x	=	30	Sft
CCU Ward	1	x	23.75	x	21	x	=	499	Sft
	1	x	5.50	x	9.33	x	=	51	Sft
	1	x	5.00	x	4.66	x	=	23	Sft
Store	1	x	19.00	x	19.5	x	=	371	Sft
NS	1	x	10.33	x	9.833	x	=	102	Sft
Private Room	1	x	12.75	x	16	x	=	204	Sft
ETT Room	1	x	12.75	x	16	x	=	204	Sft
Store	2	x	12.75	x	16	x	=	408	Sft
ECG Room	1	x	15.00	x	19	x	=	285	Sft
ECG Room Male	1	x	10.00	x	11	x	=	110	Sft
Sitting Area	1	x	23.50	x	14.33	x	=	337	Sft
Washroom	9	x	6.00	x	4.5	x	=	245	Sft
	3	x	5.91	x	4.66	x	=	83	Sft
	2	x	7.00	x	3.5	x	=	49	Sft
Deduction									
D13	-6	x	5.50	x	2.5			-83	Sft
D	-1	x	6.25	x	4			-25	Sft
D	-1	x	8.00	x	2.5			-20	Sft
D1	-5	x	3.50	x	2.5			-44	Sft
D7	-3	x	2.50	x	2.5			-19	Sft
D	-1	x	3.50	x	2.5			-9	Sft
W30	-8	x	8.00	x	6			-384	Sft
W10	-15	x	6.00	x	4			-360	Sft
W32A	-4	x	8.25	x	4			-132	Sft
W32	-6	x	3.00	x	3			-54	Sft
W31	-4	x	6.00	x	2			-48	Sft
W	-1	x	7.00	x	11			-77	Sft
W16	-2	x	6.00	x	6			-72	Sft
W29	-4	x	5.75	x	6			-138	Sft

Total 22441 Sft

3167.6 % Sft 710841

23 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.

23 x 4.50

Total 104 Rft

580 P.Rft 60320

24 Cement pointing struck joints, on walls, upto 20' (6.00 m) height - a) ratio 1:2 l/c red oxide

Walls

2 x 156.75 x + x 51

2 831 Sft

Total 831 Sft

4168.65 % Sft 34641

- 25 Providing and applying weather shield paint of approved quality on external surface of building including preparation surface, application of primer complete in all respect: a) old surface: ii) 2nd coats i/c Scraping

Walls

	2	x	156.75	x	+	x	51	15	6233	Sft
W30	1	x	50	x		x	15		744	Sft
Deduction										
W10	-15	x	6.00	x	4	x			-360	Sft
W32	-7	x	3.00	x	3	x			-63	Sft
W	1	x	7.00	x	11	x			77	Sft
W16	-2	x	6.00	x	6	x			-72	Sft
W29	-4	x	5.75	x	6	x			-138	Sft

@ Total 4612.8 % Sft 6421 Sft 296182

- 26 b) Dismantling 2nd class tile roofing.

Roof

	1	x	156.75	x	51			7994	Sft
								7994	Sft

@ Total 1269.85 % Sft 101515

- 27 Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel

Roof

	1	x	156.75	x	51	x	0.333	2662	Cft
								2662	Cft
								2539.7	%oCft

@ Total 2539.7 %oCft 6761

- 28 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position. complete in all respect b) 1-1/2" thick

Roof

	1	x	156.75	x	51			7994	Sft
								7994	Sft

@ Total 9459.55 % Sft 756220

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

Roof

	1	x	156.75	x	51			7994	Sft
								7994	Sft

@ Total 11947.25 % Sft 955093

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

	1		8.00					8	Nos
								8	Nos

@ Total 854.35 Each 6835

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

	1		31.00					31	Nos
								31	Nos

@ Total 2932 Each 90892

31

SANITRY INSTALLATION

- Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

31

	1	x	12	=	12	Nos
					12	Nos

@ Total 33004 Each 396,048

- Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. (i) Plastic soap dish (ii) Plastic toilet paper holder (iii) Plastic towel rail (iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing (v) Plastic Brush holder (vi) Looking glass with plastic frame (vii) Towel ring

32

	1	x	2	=	2	Nos
					2	Nos

@ Total 7600 Each 15,200

33 Providing and fitting glazed earthen ware wash hand basin /vanity56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1 x 12 = 12 Nos
Total = 12 Nos
@ 7329.95 Each 87,959

34 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

Vanity 12 x 1 = 12 Nos
Total = 12 Nos
@ 6532.00 Each 78,384

35 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1 x 2 = 2 No
Total = 2 No
@ 19987.90 Each 39976

36 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.ii) coloured

1 x 10 = 10 No
Total = 10 No
@ 2458.30 Each 24583

37 Providing and fitting plastic made low down flushing cistern13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.ii) coloured

1 x 10 = 10 No
Total = 10 No
@ 2649.10 Each 26491

38 Providing and fitting "P" trap:-ii) 10 cm (4") glazed.

1 x 20 = 20 No
Total = 20 No
@ 283.10 Each 5662

39 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directedby Engineer Incharge.(Internal/External Diameters mentioned). a) PN-20 pipe (ii)(3/4") 25 mm

12 x 13 = 156 Rft
Total = 156 Rft
@ 66.5 P.Rft 10374

40 Providing, fixing, testing and commissioning of μ -PVC (Unplastized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v)4"(110 mm)

12 x 10 = 120 Rft
Total = 120 Rft
@ 325.95 P.Rft 39114

41 Providing/fixing Electric water heater (Geyser) comprising of tank of 14 SWG, GI sheet and external cover of 22 SWG MS sheet, insulated with 4" thick high density glass wool, imported thermostat i/c electric rod, safety valve (Ambassador / Canon) i/c cost of accessories & making connection complete in all respect as approved and directed by Engineer Incharge.(i) 15 Gal capacity

1 x 4 = 4 No
Total = 4 No
@ 19819.9 Each 79,280

INTERNAL ELECTRIC INSTALLATION

42 S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1 x 55 = 55 No
Total = 55 No
@ 1800 Each 99,000

- 43 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gange

1 54.00 8
@ Total 1,162.50 Each 8 Nos 8 Nos

ii Large (iii) 04 Gange

1 28.00 4
@ Total 802.50 Each 4 Nos 4 Nos

iii (a) One way Gange Switch
Small (viii) Three Pin Power Plug 15-32 Amp

1 35.00 5
@ Total 754.50 Each 5 Nos 5 Nos

- 44 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. P#141(3.iii) 1" Dia

1 x 180.00 x x
@ Total 94.60 180 p.Rft 180 Rft 17028

ii 3/4" i/d (25 mm i/d) PVC Pipe

1 x 268.00 x x
@ Total 81.70 268 p.Rft 268 Rft 21896

- 45 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only): 250/440 volts, PVC insulated- 3/0.029"

5 x 270.00 x x
@ Total 25.70 p.Rft 1350 Rft 34695.

ii 7/0.029"

6 x 270.00 x x
@ Total 40.75 p.Rft 1620 Rft 66015

ii 7/1.12 mm (7/0.044")

6 x 1.00 x 270 x
@ Total 75.10 p.Rft 1620 Rft 121662

- 46 Supply and erection of button holder.
i) bakelite large size

1 55.00
@ Total 53.75 55 Each 55 Nos 2956

47 NUSRING COUNTER

1 x 2
Total = 2 Nos
@ 49610 Each 2 Nos 99,219

Total Rs:

148,146.9
155,463.2
158,452.06

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

**INDOOR BLOCK
RECOVERY OF OLD MATERIAL OF DOORS & WINDOWS**

1. Old wooden Door

D13	6	x	5.50	x	7	231	Sft
D	1	x	6.25	x	8.5	53	Sft
D	1	x	8.00	x	7	56	Sft
D1	5	x	3.50	x	7	123	Sft
D7	3	x	2.50	x	7	53	Sft
D	1	x	3.50	x	7	25	Sft
D3	11	x	2.50	x	7	193	Sft
D	1	x	3.00	x	7	21	Sft
					Total	753	Sft

@ Total 200.00 P.Sft 150625

4 Old Steel windows

W30	8	x	8.00	x	6	384	Sft
W10	15	x	6.00	x	4	360	Sft
W32A	4	x	8.25	x	4	132	Sft
W32	6	x	3.00	x	3	54	Sft
W31	4	x	6.00	x	2	48	Sft
W	1	x	7.00	x	11	77	Sft
W16	2	x	6.00	x	6	72	Sft
W29	4	x	5.75	x	6	138	Sft
					Total	1265	Sft

@ Total 200.00 P.Sft 253000

5 RECOVERY OF OLD BRICK TILE

Take Qty of Dismantling 2nd class tile roofing

70% usable old tassu

$$7994 \times 70 / 100 = 5596$$

$$5596 \times 0.28 = 1586.88$$

$$1586.88 \times 3.55 = 5633.42$$

Total = 7994 Sft

~~3198~~ Sft

1998 Sft

44351 Nos

99925/-

Rs. 36325/-

30% Bricks bats old tassu

$$7994 \times 30 / 100 = 2398$$

$$2398 \times 0.125 = 299.75$$

$$299.75 \times 3.00 = 899.25$$

Total = 7994 Sft

~~4798~~ Sft

300 Cft

600 Cft

8993/-

Rs. 7494/-

Total Rs:

512543/-

447444

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

2nd Bi-Annual 2022

**ABSTRACT OF COST
DIALYSIS UNIT**

1 REVAMPING

= Rs. 1372469/-

1274

Total

= Rs. 1372469/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

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

DIALYSIS UNIT

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

RCC Benches	1	x	11.00	x	2	x	0.25 =	6	Cft	
	1	x	11.50	x	2	x	0.25 =	6	Cft	
	1	x	7.00	x	2	x	0.25 =	4	Cft	
							Total =	16	Cft	
							@	18285.70	%Cft.	2926

- 2 Dismantling brick work in lime or cement mortar.

	6	x	2.00	x	0.375	x	2 =	9	Cft	
							Total =	9	Cft	
							@	4317.45	%Cft.	389

- 3 Painting old surfaces:- c) Painting doors and windows, any type: 3 Coats

	5	x	3.50	x	7			123	Sft	
	1	x	4.00	x	7			28	Sft	
	1	x	2.50	x	7			18	Sft	
							Total	168	Sft	
							@	1667.55	% Sft	2801

- 4 Providing and applying weather shield paint of approved quality on external surface of building including preparation surface, application of primer complete in all respect: a) old surface: ii) 2nd coats i/c Scraping

Walls	2	x	82.66	x	+	x	59	14.50	4108	Sft
								Total	4108	Sft
							@	4,612.80	% Sft	189500

- 5 Dismantling glazed or encaustic tiles, etc.

Waiting	1	x	19.25	x	27.833	x	=	536	Sft	
Waiting	2	x	19.25	x	5	x	=	193	Sft	
Waiting	2	x	27.83	x	5	x	=	278	Sft	
Entrance	1	x	11.00	x	10	x	=	110	Sft	
Tread	2	x	11.00	x	1	x	=	22	Sft	
	2	x	12.00	x	1	x	=	24	Sft	
	2	x	13.00	x	1	x	=	26	Sft	
	2	x	15.00	x	1	x	=	30	Sft	
Riser	2	x	11.00	x	0.5	x	=	11	Sft	
	2	x	12.00	x	0.5	x	=	12	Sft	
	2	x	13.00	x	0.5	x	=	13	Sft	
	2	x	15.00	x	0.5	x	=	15	Sft	
							Total =	1270	Sft	
							@	2335.85	%Sft.	29665

- 6 c) Dismantling cement concrete 1:2:4 plain.

Waiting	1	x	19.25	x	27.833	x	0.125 =	67	Cft	
Entrance	1	x	11.00	x	10	x	0.125 =	14	Cft	
Tread	2	x	11.00	x	1	x	0.125 =	3	Cft	
	2	x	12.00	x	1	x	0.125 =	3	Cft	
	2	x	13.00	x	1	x	0.125 =	3	Cft	
	2	x	15.00	x	1	x	0.125 =	4	Cft	
Riser	2	x	11.00	x	0.5	x	0.125 =	1	Cft	
	2	x	12.00	x	0.5	x	0.125 =	2	Cft	
	2	x	13.00	x	0.5	x	0.125 =	2	Cft	
	2	x	15.00	x	0.5	x	0.125 =	2	Cft	
							Total =	101	Cft	
							@	11174.60	%Cft.	11286

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

Waiting	1	x	19.25	x	27.833	x	0.125 =	67	Cft	
Entrance	1	x	11.00	x	10	x	0.125 =	14	Cft	
Tread	2	x	11.00	x	1	x	0.125 =	3	Cft	

	2	x	12.00	x	1	x	0.125 =	3	Cft
	2	x	13.00	x	1	x	0.125 =	3	Cft
	2	x	15.00	x	1	x	0.125 =	4	Cft
Riser	2	x	11.00	x	0.5	x	0.125 =	1	Cft
	2	x	12.00	x	0.5	x	0.125 =	2	Cft
	2	x	13.00	x	0.5	x	0.125 =	2	Cft
	2	x	15.00	x	0.5	x	0.125 =	2	Cft
Ramp	1	x	15.00	x	6	x	0.125 =	11	Cft
Total =								112	Cft

@ 38126.10

%Cft.

42701

- 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. a) b) Half body Tile d) (Non-Skid Chequered Tiles) 300mmx300mm

Ramp	1	x	15.00	x	6	x	=	90	Sft
Total								90	Sft

@ 211.55 P-Sft

19040

- 9 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. (i) 3/4" thick

Entrance	1	x	11.00	x	10	x	=	110	Sft
Tread	2	x	11.00	x	1	x	=	22	Sft
	2	x	12.00	x	1	x	=	24	Sft
	2	x	13.00	x	1	x	=	26	Sft
	2	x	15.00	x	1	x	=	30	Sft
Riser	2	x	11.00	x	0.5	x	=	11	Sft
	2	x	12.00	x	0.5	x	=	12	Sft
	2	x	13.00	x	0.5	x	=	13	Sft
	2	x	15.00	x	0.5	x	=	15	Sft
Total								263	Sft

@ 1,308.95 P-Sft

344254

- 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 grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed tiles (ii) 600mmx 600 mm

Waiting	1	x	19.25	x	27.833	x	=	536	Sft
Total								536	Sft

@ 340.5 P-Sft

182508

- 11 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 Tile (ii) 600mm x 600 mm

Waiting	2	x	19.25	x	+	x	27.8333	5	471	Sft
Ramp	2	x	15	x	1.50	x			45	Sft
Ramp	2	x	15	x	3.00	x			90	Sft
Ramp	4	x	1.125	x	3.00	x			14	Sft
Deduction										
D4	-2	x	2	x	3.50	x	5		-70	Sft
D3	-2	x	1	x	2.50	x	5		-5	Sft

@ 340.5 P-Sft

185345

- 12 Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of elbows at ends, buffer belt as approved and directed by the Engineer Incharge

	1	x	15.00					15	Rft
Total								15	Rft

@ 3,070.00 P.Rft

46050

- 13 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 stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

	2	x	15.00					30	Rft
Total								30	Rft

@ 2,361.45 P.Rft

70844

- Ramp

$$2 \times \cancel{15.00} \times 1.5 \times 1$$

45	cft
45	cft

@	10677.75	%ocft	480
---	----------	-------	-----

- Ramp

$$2 \times 15.00 \times 1.5 \times 0.332$$

15 cft
15 cft

Total	15	cft	
8891.5	% cft		1332

- Ramp

$$2 \times 15.00 \times 1.125 \times 4.5$$

152 / cft
152 / cft

Total	152	cft
28578.7	% cft	43404

- Ramp

$$2 \times \quad 1.5 \times \quad 1.625 \times$$

49 Sfi

Total	49	Sft
412/30	P-Sft	20202

- ## Vanity

2	x	2.50	x	3	x	2.5
4	x	2.50	x	0.375	x	2.5

38 / cft
0 / cft

Total	47	cft
31.336.30	% cft	14689

- ✓
vanity

$$4 \times 2.00 \times 2.5 \times 2.5 =$$

50 Sft

Total = $\frac{3092.10}{50}$ Sft = 1546

- Vanity

$$4 \times 2.50 \times 3$$

= $\frac{30}{30}$ Sft
 Total = $\frac{30}{30}$ Sft
 @ 1308.95 P.Sft

- ## Vanity

$$4 \times 2.50 \times 3 \times$$

$0.333 =$
 Total =
 @ 556.50 P.Cft.

- Vanity

1 x ~~10.00~~ x 6.75 x

0.454 = $\frac{31}{3121}$ Kg
Total = $\frac{3121}{3121}$ Kg
@ 31420.10 %KG

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23 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1 x

2	=	2	Nos
Total	=	2	Nos
@	33004.00	Each	66,008

24 Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. (i) Plastic soap dish (ii) Plastic toilet paper holder (iii) Plastic towel rail (iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing (v) Plastic Brush hold (vi) Looking glass with plastic frame (vii) Towel ring

1 x

2	=	2	Nos
Total	=	2	Nos
@	7600.00	Each	15,200

25 Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

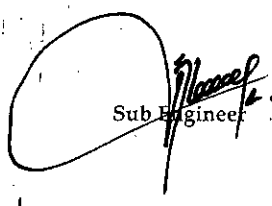
1 x 2

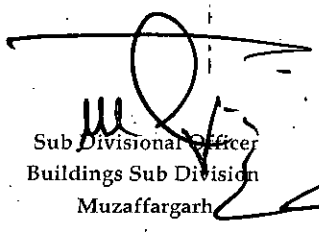
	=	2	Nos
Total	=	2	Nos
@	7329.95	Each	14,660

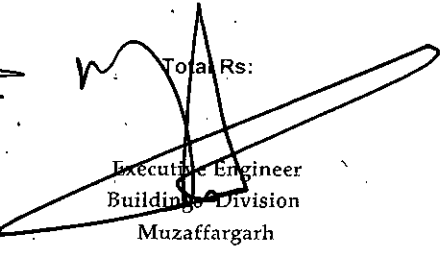
26 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

2 x 1

	=	2	Nos
Total	=	2	Nos
@	6532.00	Each	13,064


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Muzaffargarh


Executive Engineer
Buildings Division
Muzaffargarh

Total Rs: 1372469
1266639

REVISED

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

2nd Bi-Annual 2022

**ABSTRACT OF COST
DIAGNOSTIC BLOCK**

1 REVAMPING

9101611
= Rs. ~~954358/-~~ P-85
Rs. 9580561/-

2 RECOVERY OF OLD MATERIAL

150256/- P-86
= -Rs. 111774/-

8951355 ~~954358/-~~
Total = Rs. 9468786/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

**ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ
HOSPITALS IN PUNJAB ONE AT DHQ MUZAFFARGARH . ADP NO. 660 FOR YEAR 2022-23 (ON
DETAILED BASIS)
DIAGNOSTIC BLOCK**

1 a) Removing door with chowkat.	1	6.00			6	Nos	
					6	Nos	
				@	438.00	Each	2628
2 b) Removing windows and sky lights with chowkat	1	24.00			24	Nos	
					24	Nos	
				@	341.50	Each	8196
3 Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.							
D	1	x	9.58	x	8.5	81	Sft
					81	Sft	
				@	1,437.60	P.Sft	117064
4 Painting old surfaces:- c) Painting doors and windows, any type:- ii) two coats							
	2	x	11	x	3.50	x	8.5
						655	Sft
						655	Sft
				@	1667.55	% Sft	10914
5 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 hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer in-charge							
	5	x	2.50	x	7	88	Sft
					88	Sft	
				@	1,040.00	P.Sft	91000
6 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. i/c Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardware as approved and directed by the engineer in-charge. complete in all respect.							
W	19	x	2.50	x	6	285	Sft
W	5	x	1.00	x	2	10	Sft
						295	Sft
				@	1,348.40	P.Sft	397778
					1,844.45	P.Sft	543220
7 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							
W	19	x	2.50	x	6	285	Sft
W	5	x	1.00	x	2	10	Sft
						295	Sft
				@	854.85	P.Sft	252181
8 P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as per instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer in-charge also approved the Radiation Protecting agency etc.							
	2	x	14.91	x	12	358	Sft
	2	x	13.75	x	12	330	Sft
	2	x	14.91	x	12	358	Sft
	2	x	13.16	x	12	316	Sft
						1362	Sft
				@	1,730.00	P.Sft	2355430
9 Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:6							
	2	x	14.91	x	0.375	x	12
	2	x	13.75	x	0.375	x	12
	2	x	14.91	x	0.375	x	12
	2	x	13.16	x	0.375	x	12
						511	cft
				@	30,762.50	% cft	157064

77

10 Cement plaster 1:5 upto 20' (6.00 mm) height:-b)½" (13 mm) thick

2	x	14.91	x	12	x	=	358	Sft
2	x	13.75	x	12	x	=	330	Sft
2	x	14.91	x	12	x	=	358	Sft
2	x	13.16	x	12	x	=	316	Sft
Total =							1362	Sft
@							3092.10	%Sft.

42114

11 Dismantling glazed or encaustic tiles, etc.

Corridor	1	x	16.13	x	9.58	x	=	154	Sft
Dr Room	2	x	12.00	x	15	x	=	360	Sft
Laboratory	2	x	12.16	x	15	x	=	365	Sft
Laboratory Counter	1	x	12.16	x	15	x	=	182	Sft
Laboratory	1	x	18.75	x	12.25	x	=	230	Sft
Corridor	1	x	13.375	x	5	x	=	67	Sft
Dark Room	1	x	12.25	x	8.33	x	=	102	Sft
Dark Room	1	x	14.91	x	8	x	=	119	Sft
X-Ray Room	1	x	14.91	x	13.75	x	=	205	Sft
Digital Xray Room	1	x	14.91	x	13.16	x	=	196	Sft
Ultra Sound	1	x	14.91	x	9	x	=	134	Sft
Corridor	1	x	40.75	x	6	x	=	245	Sft
Corridor	1	x	40.75	x	8	x	=	326	Sft
Corridor	1	x	14.16	x	8	x	=	113	Sft
Corridor	1	x	14.16	x	7	x	=	99	Sft
Toilet-1	2	x	4.83	x	6	x	=	58	Sft
Toilet-2	2	x	6.00	x	4	x	=	48	Sft
Toilet-1	1	x	8.00	x	4.58	x	=	37	Sft
Toilet-2	1	x	16.75	x	3.5	x	=	59	Sft
Toilet-1	1	x	6.00	x	4.375	x	=	26	Sft
Entrance	1	x	11.00	x	6	x	=	66	Sft
Tread	2	x	13.00	x	1	x	=	26	Sft
	2	x	15.00	x	1	x	=	30	Sft
	2	x	7.00	x	1	x	=	14	Sft
	2	x	8.00	x	1	x	=	16	Sft
Riser	2	x	13.00	x	0.5	x	=	13	Sft
	2	x	15.00	x	0.5	x	=	15	Sft
	2	x	7.00	x	0.5	x	=	7	Sft
	2	x	8.00	x	0.5	x	=	8	Sft

Corridor	2	x	16.13	x	9.58	x	5.00	257	Sft
Dr Room	4	x	12.00	x	15	x	5.00	540	Sft
Laboratory	4	x	12.16	x	15	x	5.00	543	Sft
Laboratory Counter	2	x	12.16	x	15	x	5.00	272	Sft
Laboratory	2	x	18.75	x	12.25	x	5.00	310	Sft
Corridor	2	x	13.375	x	5	x	5.00	184	Sft
Dark Room	2	x	12.25	x	8.33	x	5.00	206	Sft
Dark Room	2	x	14.91	x	8	x	5.00	229	Sft
X-Ray Room	2	x	14.91	x	13.75	x	5.00	287	Sft
Digital Xray Room	2	x	14.91	x	13.16	x	5.00	281	Sft
Ultra Sound	2	x	14.91	x	9	x	5.00	239	Sft
Corridor	2	x	40.75	x	6	x	5.00	468	Sft
Corridor	2	x	40.75	x	8	x	5.00	488	Sft
Corridor	2	x	14.16	x	8	x	5.00	222	Sft
Corridor	2	x	14.16	x	7	x	5.00	212	Sft
Toilet-1	4	x	4.83	x	6	x	5.00	217	Sft
Toilet-2	4	x	6.00	x	4	x	5.00	200	Sft
Toilet-1	2	x	8.00	x	4.58	x	5.00	126	Sft
opening	2	x	16.75	x	3.5	x	5.00	203	Sft
opening	2	x	6.00	x	4.375	x	5.00	104	Sft

Total = 8904 Sft
@ 2335.85 %Sft.

5588

207970

130527

78

12 Cement plaster 1:4 upto 20' (6.00 m) height:-b) ½" (13 mm) thick after Removing old cement or lime plaster.

Corridor	2 x	16.13	x	+	x	9.58	4.00	206	Sft
Dr Room	4 x	12.00	x	+	x	15	5.00	540	Sft
Laboratory	4 x	12.16	x	+	x	15	5.00	543	Sft
Laboratory Counter	2 x	12.16	x	+	x	15	5.00	272	Sft
Laboratory	2 x	18.75	x	+	x	12.25	4.00	248	Sft
Corridor	2 x	13.375	x	+	x	5	3.00	110	Sft
Dark Room	2 x	12.25	x	+	x	8.33	5.00	206	Sft
Dark Room	2 x	14.91	x	+	x	8	1.00	46	Sft
X-Ray Room	2 x	14.91	x	+	x	13.75	3.00	172	Sft
Digital Xray Room	2 x	14.91	x	+	x	13.16	3.00	168	Sft
Ultra Sound	2 x	14.91	x	+	x	9	1.00	48	Sft
Corridor	2 x	40.75	x	+	x	6	2.00	187	Sft
Corridor	2 x	40.75	x	+	x	8	4.00	390	Sft
Corridor	2 x	14.16	x	+	x	8	2.00	89	Sft
Corridor	2 x	14.16	x	+	x	7	2.00	85	Sft
Toilet-1	4 x	4.83	x	+	x	6	3.00	130	Sft
Toilet-2	4 x	6.00	x	+	x	4	1.00	40	Sft
Toilet-1	2 x	8.00	x	+	x	4.58	1.00	25	Sft
opening	2 x	16.75	x	+	x	3.5	1.00	41	Sft
opening	2 x	6.00	x	+	x	4.375	1.00	21	Sft

Total = 3565 Sft
 3241.60 + 423.3 @ 3664.90 %Sft. 130669

13 c) Dismantling cement concrete 1:2:4plain.

Corridor	1	x	16.13	x	9.58	x	0.125 =	19	Cft
Dr Room	2	x	12.00	x	15	x	0.125 =	45	Cft
Laboratory	2	x	12.16	x	15	x	0.125 =	46	Cft
Laboratory Counter	1	x	12.16	x	15	x	0.125 =	23	Cft
Laboratory	1	x	18.75	x	12.25	x	0.125 =	29	Cft
Corridor	1	x	13.375	x	5	x	0.125 =	8	Cft
Dark Room	1	x	12.25	x	8.33	x	0.125 =	13	Cft
Dark Room	1	x	14.91	x	8	x	0.125 =	15	Cft
X-Ray Room	1	x	14.91	x	13.75	x	0.125 =	26	Cft
Digital Xray Room	1	x	14.91	x	13.16	x	0.125 =	25	Cft
Ultra Sound	1	x	14.91	x	9	x	0.125 =	17	Cft
Corridor	1	x	40.75	x	6	x	0.125 =	31	Cft
Corridor	1	x	40.75	x	8	x	0.125 =	41	Cft
Corridor	1	x	14.16	x	8	x	0.125 =	14	Cft
Corridor	1	x	14.16	x	7	x	0.125 =	12	Cft
Toilet-1	2	x	4.83	x	6	x	0.125 =	7	Cft
Toilet-2	2	x	6.00	x	4	x	0.125 =	6	Cft
Toilet-1	1	x	8.00	x	4.58	x	0.125 =	5	Cft
Toilet-2	1	x	16.75	x	3.5	x	0.125 =	7	Cft
Toilet-1	1	x	6.00	x	4.375	x	0.125 =	3	Cft
Entrance	1	x	11.00	x	6	x	0.125 =	8	Cft
Tread	2	x	13.00	x	1	x	0.125 =	3	Cft
	2	x	15.00	x	1	x	0.125 =	4	Cft
	2	x	7.00	x	1	x	0.125 =	2	Cft
	2	x	8.00	x	1	x	0.125 =	2	Cft
Riser	2	x	13.00	x	0.5	x	0.125 =	2	Cft
	2	x	15.00	x	0.5	x	0.125 =	2	Cft
	2	x	7.00	x	0.5	x	0.125 =	1	Cft
	2	x	8.00	x	0.5	x	0.125 =	1	Cft
Ramp	1	x	15.00	x	6	x	0.125 =	11	Cft

Total = 428 Cft
 @ 11174.60 %Cft.

47827

(79)

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

Corridor	1	x	16.13	x	9.58	x	0.125 =	19	Cft
Dr Room	2	x	12.00	x	15	x	0.125 =	45	Cft
Laboratory	2	x	12.16	x	15	x	0.125 =	46	Cft
Laboratory Counter	1	x	12.16	x	15	x	0.125 =	23	Cft
Laboratory	1	x	18.75	x	12.25	x	0.125 =	29	Cft
Corridor	1	x	13.375	x	5	x	0.125 =	8	Cft
Dark Room	1	x	12.25	x	8.33	x	0.125 =	13	Cft
Dark Room	1	x	14.91	x	8	x	0.125 =	15	Cft
X-Ray Room	1	x	14.91	x	13.75	x	0.125 =	26	Cft
Digital Xray Room	1	x	14.91	x	13.16	x	0.125 =	25	Cft
Ultra Sound	1	x	14.91	x	9	x	0.125 =	17	Cft
Corridor	1	x	40.75	x	6	x	0.125 =	31	Cft
Corridor	1	x	40.75	x	8	x	0.125 =	41	Cft
Corridor	1	x	14.16	x	8	x	0.125 =	14	Cft
Corridor	1	x	14.16	x	7	x	0.125 =	12	Cft
Toilet-1	2	x	4.83	x	6	x	0.125 =	7	Cft
Toilet-2	2	x	6.00	x	4	x	0.125 =	6	Cft
Toilet-1	1	x	8.00	x	4.58	x	0.125 =	5	Cft
Toilet-2	1	x	16.75	x	3.5	x	0.125 =	7	Cft
Toilet-1	1	x	6.00	x	4.375	x	0.125 =	3	Cft
Entrance	1	x	11.00	x	6	x	0.125 =	8	Cft
Tread	2	x	13.00	x	1	x	0.125 =	3	Cft
	2	x	15.00	x	1	x	0.125 =	4	Cft
	2	x	7.00	x	1	x	0.125 =	2	Cft
	2	x	8.00	x	1	x	0.125 =	2	Cft
Riser	2	x	13.00	x	0.5	x	0.125 =	2	Cft
	2	x	15.00	x	0.5	x	0.125 =	2	Cft
	2	x	7.00	x	0.5	x	0.125 =	1	Cft
	2	x	8.00	x	0.5	x	0.125 =	1	Cft
Ramp	1	x	15.00	x	6	x	0.125 =	11	Cft
Total =								428	Cft
@ 38126.10								%Cft.	163180

- 15 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) b) Half body Tile d) (Non-Skid Chequered Tiles) 300mmx300mm

Ramp	1	x	15.00	x	6	x		90	Sft
Total								90	Sft
@ 211.55								P-Sft	19040

- 16 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. (i) 3/4" thick

Entrance	1	x	11.00	x	6			66	Sft
Tread	2	x	13.00	x	1			26	Sft
	2	x	15.00	x	1			30	Sft
	2	x	7.00	x	1			14	Sft
	2	x	8.00	x	1			16	Sft
Riser	2	x	13.00	x	0.5			13	Sft
	2	x	15.00	x	0.5			15	Sft
	2	x	7.00	x	0.5			7	Sft
	2	x	8.00	x	0.5			8	Sft
Total								195	Sft
@ 1,308.95								P-Sft	255245

- 17 Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of elbows at ends, buffer belt as approved and directed by the Engineer Incharge

	2	x	15.00					30	Rft
Total								30	Rft
@ 3,070.00								P-Rft	92100

- 18 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 stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

2 x 15.00

Total 2,361.45 P.Rft 30 Rft 70844

- 19 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) ii) in ordinary soil.

Ramp

2 x 15.00 x 1.5 x 1

Total 10677.75 %ocft 45 cft 480

- 20 Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50mm) gauge.

Ramp

2 x 15.00 x 1.5 x 0.333

Total 8891.5 % cft 15 cft 1332

21. Pacca brick work in foundation and plinth in:-
i) Cement, sand mortar:-Ratio 1:6

Ramp

2 x 15.00 x 1.125 x 4.5

Total 28578.7 % cft 152 cft 43404

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

Ramp

2 x 15 x 1.625 x

Total 412.30 P-Sft 49 Sft 20203

- 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(ii) 600mmx 600 mm

Corridor	1	x	16.13	x	9.58	x	=	154	Sft
Dr Room	2	x	12.00	x	15	x	=	360	Sft
Laboratory	2	x	12.16	x	15	x	=	365	Sft
Laboratory Counter	1	x	12.16	x	15	x	=	182	Sft
Laboratory	1	x	18.75	x	12.25	x	=	230	Sft
Corridor	1	x	13.375	x	5	x	=	67	Sft
Dark Room	1	x	12.25	x	8.33	x	=	102	Sft
Dark Room	1	x	14.91	x	8	x	=	119	Sft
X-Ray Room	1	x	14.91	x	13.75	x	=	205	Sft
Digital Xray Room	1	x	14.91	x	13.16	x	=	196	Sft
Ultra Sound	1	x	14.91	x	9	x	=	134	Sft
Corridor	1	x	40.75	x	6	x	=	245	Sft
Corridor	1	x	40.75	x	8	x	=	326	Sft
Corridor	1	x	14.16	x	8	x	=	113	Sft
Corridor	1	x	14.16	x	7	x	=	99	Sft
D	1	x	9.58	x	1.125			11	Sft
	11	x	3.50	x	1.125			43	Sft

Total 340.5 P-Sft 2951 Sft 1004846

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 sealer 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) 600mm x 600 mm

Corridor	2	x	16.13	x	+	x	9.58	5.00	257	Sft
Dr Room	4	x	12.00	x	+	x	15	5.00	540	Sft
Laboratory	4	x	12.16	x	+	x	15	5.00	543	Sft
Laboratory Counter	2	x	12.13	x	+	x	15	5.00	272	Sft
Laboratory	2	x	18.75	x	+	x	12.25	5.00	310	Sft
Corridor	2	x	13.375	x	+	x	5	5.00	184	Sft
Dark Room	2	x	12.25	x	+	x	8.33	5.00	206	Sft
Dark Room	2	x	14.91	x	+	x		5.00	229	Sft
X-ray Room	2	x	14.91	x	+		13.75	5.00	287	Sft
Digital Xray Room	2	x	14.91	x	+	x	13.16	5.00	281	Sft
Ultra Sound	2	x	14.91	x	+	x	9	5.00	239	Sft
Corridor	2	x	40.75	x	+	x	6	5.00	468	Sft
Corridor	2	x	40.75	x	+	x	8	5.00	488	Sft
Corridor	2	x	14.16	x	+	x	8	5.00	222	Sft
Corridor	2	x	14.16	x	+	x	7	5.00	212	Sft
Ramp	2	x		15	x	1.50	x		45	Sft
Ramp	2	x		15	x	3.00	x		90	Sft
Ramp	4	x		1.125	x	3.00	x		14	Sft
Deduction										
D	-2	x	1	x		9.88	x	5	-96	Sft
	-2	x	11	x		3.50	x	5	-385	Sft

Total 4403 Sft
@ 340.5 P-Sft 1499453

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

Toilet-1	2	x	4.83	x	6	x	=	58	Sft
Toilet-2	2	x	6.00	x	4	x	=	48	Sft
Toilet-1	1	x	8.00	x	4.58	x	=	37	Sft
opening	1	x	16.75	x	3.5	x	=	59	Sft
opening	1	x	6.00	x	4.375	x	=	26	Sft
Total								228	Sft

@ 239.9 P-Sft 54697

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

Toilet-1	4	x	4.83	x	+	x	6	7.00	303	Sft
Toilet-2	4	x	6.00	x	+	x	4	7.00	280	Sft
Toilet-1	2	x	8.00	x	+	x	4.58	7.00	176	Sft
opening	2	x	16.75	x	+	x	3.5	7.00	284	Sft
opening	2	x	6.00	x	+	x	4.375	7.00	145	Sft
	-2	x	5	x		2.50	x	7	-175	Sft
								Total	1013	Sft

@ 292.65 P-Sft 296487

27 Pacca brick work other than building upto 10ft. (3 m) height:-Ratio 1:4

VANITY	5	x	2.50	x	3	x	2.5	94	cft
	10	x	2.50	x	0.375	x	2.5	23	cft
Total								117	cft

@ 31,336.30 % cft 36722

28 Cement plaster 1:5 upto 20' (6.00 mm) height:-b) 1/2" (13 mm) thick

VANITY	10	x	2.00	x	2.5	x	2.5 =	125	Sft
Total								125	Sft
@							3092.10	% Sft.	3865

- 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. (i) 3/4" thick

VANITY	10	x	2.50	x	3	=	75	Sft
Total	=						75	Sft
@	1308.95						P.Sft.	98171

- 30 (a) (i) 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:-(3) Type C (nominal mix 1: 2: 4)

VANITY	10	x	2.50	x	3	x	0.333 =	25	Cft
							Total =	25 19	Cft
						@	556.50	P.Cft.	

- 31 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):-

(a) Plain bars (b) Deformed bars (Grade-40)	1	x	25.00	x	6.75	x	0.454 =	58	Kg
VANITY							Total =	27 58	Kg
@	31420.10						%KG	24193	18224

- 32 Preparing surface and painting with emulsion paint:-27.12 :-b)old surface:-ii) two coats i/c scrapping & applying wall putty of 2mm thick

Walls

Corridor	2	x	16.13	x	+	x	9.58	7.00	360	Sft
Dr Room	4	x	12.00	x	+	x	15	7.00	756	Sft
Laboratory	4	x	12.16	x	+	x	15	7.00	760	Sft
Laboratory Counter	2	x	12.16	x	+	x	15	7.00	380	Sft
Laboratory	2	x	18.75	x	+	x	12.25	7.00	434	Sft
Corridor	2	x	13.375	x	+	x	5	7.00	257	Sft
Dark Room	2	x	12.25	x	+	x	8.33	7.00	288	Sft
Dark Room	2	x	14.91	x	+	x	8	7.00	321	Sft
X-Ray Room	2	x	14.91	x	+	x	13.75	7.00	401	Sft
Digital Xray Room	2	x	14.91	x	+	x	13.16	7.00	393	Sft
Ultra Sound	2	x	14.91	x	+	x	9	7.00	335	Sft
Corridor	2	x	40.75	x	+	x	6	7.00	655	Sft
Corridor	2	x	40.75	x	+	x	8	7.00	683	Sft
Corridor	2	x	14.16	x	+	x	8	7.00	310	Sft
Corridor	2	x	14.16	x	+	x	7	7.00	296	Sft
Toilet-1	4	x	4.83	x	+	x	6	7.00	303	Sft
Toilet-2	4	x	6.00	x	+	x	4	7.00	280	Sft
Toilet-1	2	x	8.00	x	+	x	4.58	7.00	176	Sft
Toilet-2	2	x	16.75	x	+	x	3.5	7.00	284	Sft
Toilet-1	2	x	6.00	x	+	x	4.375	7.00	145	Sft

Ceiling

Corridor	1	x	16.13	x	9.58	x	=	154	Sft
Dr Room	2	x	12.00	x	15	x	=	360	Sft
Laboratory	2	x	12.16	x	15	x	=	365	Sft
Laboratory Counter	1	x	12.16	x	15	x	=	182	Sft
Laboratory	1	x	18.75	x	12.25	x	=	230	Sft
Corridor	1	x	13.375	x	5	x	=	67	Sft
Dark Room	1	x	12.25	x	8.33	x	=	102	Sft
Dark Room	1	x	14.91	x	8	x	=	119	Sft
X-Ray Room	1	x	14.91	x	13.75	x	=	205	Sft
Digital Xray Room	1	x	14.91	x	13.16	x	=	196	Sft
Ultra Sound	1	x	14.91	x	9	x	=	134	Sft
Corridor	1	x	40.75	x	6	x	=	245	Sft
Corridor	1	x	40.75	x	8	x	=	326	Sft
Corridor	1	x	14.16	x	8	x	=	113	Sft
Corridor	1	x	14.16	x	7	x	=	99	Sft
Toilet-1	2	x	4.83	x	6	x	=	58	Sft
Toilet-2	2	x	6.00	x	4	x	=	48	Sft
Toilet-1	1	x	8.00	x	4.58	x	=	37	Sft
Toilet-2	1	x	16.75	x	3.5	x	=	59	Sft
Toilet-1	1	x	6.00	x	4.375	x	=	26	Sft

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SANITRY INSTALLATION

- 41 Providing and fitting glazed earthen ware wash hand basin /vanity56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1	x	5	=	5	Nos
			Total	=	5
			@	7329.95	Each
					36,650

- 42 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer Incharge. (ii) Lever Type Basin Mixer

5	x	1	=	5	Nos
			Total	=	5
			@	6532.00	Each
					32,660

- 43 Providing and fitting glazed earthen ware water closet, squatter, type (Orisa pattern), combined with foot rest.ii) coloured

1	x	4	=	4	No
			Total	=	4
			@	2458.30	Each
					9833

- 44 Providing and fitting plastic made low down flushing cistern13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.ii) coloured

1	x	5	=	5	No
			Total	=	5
			@	2649.10	Each
					13246

- 45 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1	x	1	=	1	No
			Total	=	1
			@	19987.90	Each
					19988

- 46 Providing and fitting "P" trap:-ii) 10 cm (4") glazed.

1	x	7	=	7	No
			Total	=	7
			@	283.10	Each
					1982

- 47 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent). with specified pressure rating PN (PRESSURE NOMINAL)and conforming to DIN 8077-8078 code i/c cost of solvent, specials,making jharries complete in all respect as approved and directedby Engineer Incharge.(Internal/External Diameters mentioned). a) PN-20 pipe (ii)(3/4") 25 mm

6	x	13	=	78	Rft
			Total	=	78
			@	66.60	P.Rft
				32595	19557/-

Cast iron water down Pipe 4" i/d

- 48 Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 or specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v)4"(110 mm)

6	x	10	=	60	Rft
			Total	=	60
			@	217.25	P.Rft
					13035

INTERNAL ELECTRIC INSTALLATION

- 49 S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1	x	30	=	30	No
			Total	=	30
			@	1800.00	Each
					54,000

- 50 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gange

1	x	20.00	=	20.00	Nos
			Total	=	20.00
			@	1,162.50	Each
					23250

8
20
208
9300

ii Large (iii) 04 Gange

1 4.00

4

Nos
Nos

Total
802.50

Each

3210

iii (a) One way Gange Switch

Small (viii) Three Pin Power Plug 15-32 Amp

1 23.00

23

Nos
Nos

Total
754.50

Each

17354

51 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. P#141(3.iii) 1" Dia

1 x 65.00 x x

65

Rft
Rft

Total
94.60

p.Rft

6149

ii 3/4" I/d (25 mm I/d) PVC Pipe

1 x 57.00 x x

57

Rft
Rft

Total
81.70

p.Rft

4657

52 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):250/440 volts, PVC insulated- 3/0.029"

1 x 330.00 x x

330

Rft
Rft

Total
25.70

p.Rft

8481

ii 7/0.029"

1 x 190.00 x x

190

Rft
Rft

Total
40.75

p.Rft

7743

53 Supply and erection of button holder.

i) bakelite large size

1 30.00

30

Nos
Nos

Total
53.75

Each

1613

Total Rs:

9101611
9514358/-
9580561/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED
**ROUGH COST ESTIMATE FOR THE BALANCE WORK OF REVAMPING
OF ALL DHQ / 15 THQ HOSPITALS IN PUNJAB ONE AT DHQ
MUZAFFARGARH. ADP NO. 660 FOR YEAR 2022-23 (ON DETAILED
BASIS)**

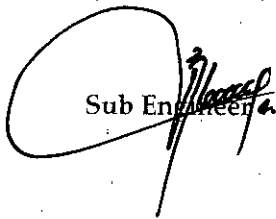
2nd Bi-Annual 2022


ABSTRACT OF COST
NEW OPD

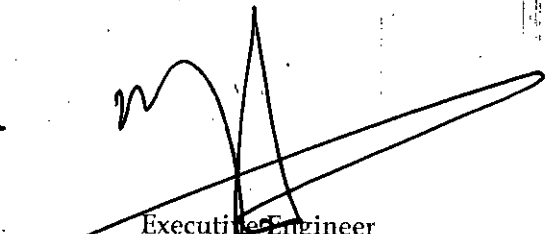
1 REVAMPING

5274620
~~5400730~~ / P.94
= Rs. 5390947/-

5274600
~~5400730~~ /
Total = Rs. 5390947/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Muzaffargarh


Executive Engineer
Buildings Division
Muzaffargarh

	2	x	10.25	x	1	x	=	21	Sft	
	2	x	10.000	x	2.5	x	=	50	Sft	
								Total	248	Sft
							@	1308.95	P-Sft	324620
18	Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of elbows at ends, buffer belt as approved and directed by the Engineer Incharge									
	2	x	10.00					20	Rft	
							@	Total	20	Rft
								3070	P.Rft	61400
19	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 stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.									
	2	x	15.00					30	Rft	
							@	Total	30	Rft
								2,361.45	P.Rft	70844
20	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)ii) in ordinary soil.									
Ramp	2	x	15.00	x	1.5	x	1	45	cft	
							@	Total	45	cft
								10677.75	%ocft	480
21	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50mm) gauge.									
Ramp	2	x	15.00	x	1.5	x	0.333	15	cft	
							@	Total	15	cft
								8891.5	% cft	1332
22	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:-Ratio 1:6									
Ramp	2	x	15.00	x	1.125	x	4.5	152	cft	
							@	Total	152	cft
								28578.7	% cft	43404
23	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. i) China Verona									
Ramp	2	x	15	x	1.625	x		49	Sft	
							@	Total	49	Sft
								412.30	P-Sft	20203
24	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									
	1	x	10.00	x	30	x		300	Sft	
							@	Total	300	Sft
								340.5	P-Sft	102150
25	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 Tile(ii) 600mm x600 mm									
Ramp	2	x	15	x	1.50	x		45	Sft	
Ramp	2	x	15	x	3.00	x		90	Sft	
Ramp	4	x	1.125	x	3.00	x		14	Sft	
							@	Total	149	Sft
								340.5	P-Sft	50564

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

wc	9	x	6.50	x	6.5	x	=	380	Sft
							Total	380	Sft
							@	239.9	P-Sft
									91162

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

Toilet-1	9	x	6.50	x	6.5	x	=	819	Sft
	-5	x	2.50	x	7	x	=	-88	Sft
							Total	732	Sft
							@	292.65	P-Sft
									214073

- 27 Pacca brick work in ground floor:- i) cement, sand mortar:- i) Ratio 1:6

Parapit	2	x	58.00	x	0.75	x	1	87	cft
	2	x	58.00	x	0.75	x	3	261	cft
							@	30,762.50	% cft
									348

- 28 Pacca brick work other than building upto 10ft. (3 m) height:- Ratio 1:4

Vanity	9	x	2.50	x	3	x	2.5	169	cft
	18	x	2.50	x	0.375	x	2.5	42	cft
							@	31,336.30	% cft
									66100

- 29 Cement plaster 1:5 upto 20' (6.00 mm) height:- b) 1/2" (13 mm) thick

Vanity	18	x	2.00	x	2.5	x	2.5	225	Sft
Parapit	4	x	58.00	x	1.75	x	1.75	406	Sft
							Total	631	Sft
							@	3092.10	% Sft
									19511

- 30 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. i) 3/4" thick

Vanity	18	x	2.50	x	3	x	=	135	Sft
							Total	135	Sft
							@	1308.95	P.Sft.
									176708

- 31 Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)

Column	14	x	3.50	x	3.5	x	1	172	Cft
							Total	172	Cft
							@	457.75	P.Cft.
									78733

- 32 (a) (i) 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:- (3) Type C (nominal mix 1: 2: 4)

Vanity	18	x	2.50	x	3	x	0.25	34	Cft
							0.25	46	Cft
Shed	1	x	58.00	x	11	x	0.5	319	Cft
Column	14	x	1.50	x	1.5	x	17.25	543	Cft
Beam	2	x	58.00	x	1	x	1.25	145	Cft
							Total	1041	4062 Cft
							@	556.50	P.Cft.
									585438

- 33 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):-

(a) Plain bars (b) Deformed bars (Grade-40)

Vanity + Shed	1	x	1052.00	x	6.75	x	0.454	3224	Kg
							Total	3224	Kg
							@	31420.10	% KG
									1012984

- 34 Preparing surface and painting with emulsion paint:-27.12 :-b)old surface:-ii) two coats i/c scrapping & applying wall putty of 2mm thick

Walls									
Corridor	2	x	98.00	x	+	x	10	8	1728 Sft
Dr Room	14	x	13.00	x	+	x	18	8	3472 Sft
Dr Room	4	x	14.50	x	+	x	18	8	1040 Sft
Gallery	2	x	9.00	x	+	x	20	8	464 Sft
Hall	2	x	55.75	x	+	x	18	8	1180 Sft
Ceiling									
Corridor	1	x	98.00	x	10	x	=		980 Sft
Dr Room	7	x	13.00	x	18	x	=		1638 Sft
Dr Room	2	x	14.50	x	18	x	=		522 Sft
Gallery	1	x	9.00	x	20	x	=		180 Sft
Hall	1	x	55.75	x	18	x	=		1004 Sft
Total								12208 Sft	
@								3167.6 % Sft	386701

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

1	10.00	10	Nos
Total		10	Nos
@		2932	Each
			29320

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

Roof									
	1	x	58.00	x	10.5			609	Sft
Total								609	Sft
@								11,947.25 % Sft	72759

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

1	3.00	3	Nos
Total		3	Nos
@		854.35	Each
			2563

SANITRY INSTALLATION

- 36 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall shower (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1	x	9	=	9	Nos
Total		=	9	Nos	
@		33004	Each		297,036

- 38 Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardware etc complete in all respect as approved and directed by the Engineer incharge. (i) Plastic soap dish (ii) Plastic toilet paper holder (iii) Plastic towel rail (iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing (v) Plastic Brush holder (vi) Looking glass with plastic frame (vii) Towel ring

1	x	9	=	9	Nos
Total		=	9	Nos	
@		7600	Each		68,400

- 39 Providing and fitting glazed earthen ware wash hand basin / vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1	x	9	=	9	Nos
Total		=	9	Nos	
@		7329.95	Each		65,970

- 40 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

9	x	1	=	9	Nos
Total		=	9	Nos	
@		6532.00	Each		58,788

93

- 41 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.ii) coloured

1	x	8	=	8	No
			Total =	8	No
@	2458.30			Each	19666

- 42 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1	x	1	=	1	No
			Total =	1	No
@	19987.90			Each	19988

- 43 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket, set, copper connection, etc. complete.ii) coloured

1	x	8	=	8	No
			Total =	8	No
@	2649.10			Each	21193

- 44 Providing and fitting "P" trap:-ii) 10 cm (4") glazed.

1	x	12	=	12	No
			Total =	12	No
@	283.10			Each	3397

- 45 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). a) PN-20 pipe (ii) (3/4") 25 mm

9	x	13	=	117	Rft
			Total	117	Rft
@	66.5			P.Rft	7781

- 46 Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v) 4" (110 mm)

9	x	10	=	90	Rft
			Total	90	Rft
@	325.95			P.Rft	29336
			247.25		49553

INTERNAL ELECTRIC INSTALLATION

- 47 S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1	x	20	=	20	No
			Total =	20	No
@	1800			Each	36,000

- 48 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gange

1	x	20.00	=	20	Nos
			Total	20	Nos
@	1,162.50			Each	5813

- ii Large (iii) 04 Gange

1	x	5.00	=	5	Nos
			Total	5	Nos
@	802.50			Each	4013

- iii (a) One way Gange Switch Small (viii) Three Pin Power Plug 15-32 Amp

1	x	20.00	=	20	Nos
			Total	20	Nos
@	754.50			Each	15090

- 49 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. P#141(3.iii) 1" Dia

1	x	92.00	x		
			Total	92	Rft
@	94.60			p.Rft	8703

94

ii 3/4" i/d (25 mm i/d) PVC Pipe

1 x 165.00 x x

Total 165 Rft
81.70 p.Rft 13481

50 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):250/440 volts, PVC insulated- 3/0.029"

3 x 270.00 x x

Total 810 Rft
25.70 p.Rft 20817

ii 7/0.029"

2 x 270.00 x x

Total 540 Rft
40.75 p.Rft 22005

51 Supply and erection of button holder.
i) bakelite large size

1 20.00

Total 20 Nos
53.75 Each 1075

52 NUSRING COUNTER

1 x 1

Total = 1 Nos
@ 49610 Each 49,610

Total Rs: 5274620
5400730/-
5390947

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

95

REVISED

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

2nd Bi-Annual 2022

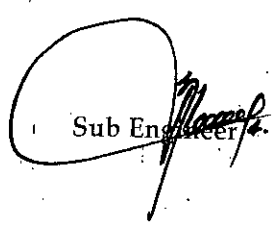
**ABSTRACT OF COST
PSYCHIATRISTS BLOCK**

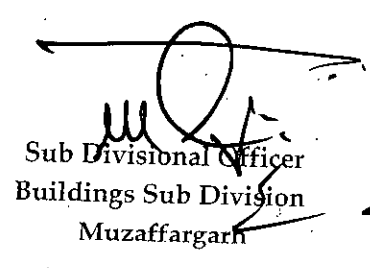
- 1 REVAMPING
- 2 RECOVERY OF OLD MATERIAL

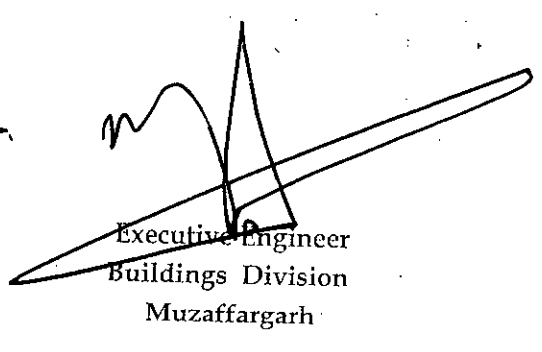
5732661
~~5350950/-~~ P-102
= Rs. 5343341/-

82118/- P-102
= -Rs. 33037/-

5650543 ~~5268845/-~~
Total = Rs. 5310304/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division
Muzaffargarh


Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

PSYCHIATRISTS BLOCK

- 1 a) Removing door with chowkat.

1 15.00

15 Nos

Total 438 Each

6570

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

2 x 3.50 x 8
4 x 4.50 x 8
1 x 5.25 x 8

56 Sft
144 Sft
42 Sft

Total 678.55
1937.6 P.Sft

242 Sft
164209
175946

- 3 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

11 x 2.50 x 7

Total 1040 P.Sft

193 Sft
193 Sft

200200

- 4 Dismantling glazed or encaustic tiles, etc.

Toilet	2	x	5.00	x	5	x	=	50	Sft	
Laverty	1	x	4.00	x	10	x	=	40	Sft	
Toilet	1	x	5.50	x	7.5	x	=	41	Sft	
Toilet	2	x	5.25	x	4.5	x	=	47	Sft	
Laverty	1	x	9.25	x	4	x	=	37	Sft	
Toilet	2	x	5.50	x	5.5	x	=	61	Sft	
	1	x	7.50	x	6	x	=	45	Sft	
Toilet	4	x	5.00	x	+	x	5	4	160	Sft
Laverty	2	x	4.00	x	+	x	10	4	112	Sft
Toilet	2	x	5.50	x	+	x	7.5	4	104	Sft
Toilet	4	x	5.25	x	+	x	4.5	4	156	Sft
Laverty	2	x	9.25	x	+	x	4	4	106	Sft
Toilet	4	x	5.50	x	+	x	5.5	4	176	Sft
	2	x	7.50	x	+	x	6	4	108	Sft

- 5 Cement plaster 1:4 upto 20' (6.00 m) height:-b) 1/2" (13 mm) thick after Removing old cement or lime plaster.

Toilet	4	x	5.00	x	+	x	5	4	160	Sft
Laverty	2	x	4.00	x	+	x	10	4	112	Sft
Toilet	2	x	5.50	x	+	x	7.5	4	104	Sft
Toilet	4	x	5.25	x	+	x	4.5	4	156	Sft
Laverty	2	x	9.25	x	+	x	4	4	106	Sft
Toilet	4	x	5.50	x	+	x	5.5	4	176	Sft
	2	x	7.50	x	+	x	6	4	108	Sft
Total =									922	Sft

- 6 c) Dismantling cement concrete 1:2:4plain.

Front Ramp	1	x	9.75	x	10	x	0.125 =	12	Cft
	1	x	15.00	x	7	x	0.125 =	13	Cft
	1	x	12.00	x	7	x	0.125 =	11	Cft
	1	x	18.00	x	5	x	0.125 =	11	Cft
Toilet	2	x	5.00	x	5	x	0.125 =	6	Cft
Laverty	1	x	4.00	x	10	x	0.125 =	5	Cft
Toilet	1	x	5.50	x	7.5	x	0.125 =	5	Cft
Toilet	2	x	5.25	x	4.5	x	0.125 =	6	Cft
Laverty	1	x	9.25	x	4	x	0.125 =	5	Cft
Toilet	2	x	5.50	x	5.5	x	0.125 =	8	Cft
	1	x	7.50	x	6	x	0.125 =	6	Cft
							Total =	88	Cft
							@	11174.6	%Cft.

97

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

Front Ramp	1	x	9.75	x	10	x	0.125 =	12	Cft
	1	x	15.00	x	7	x	0.125 =	13	Cft
	1	x	12.00	x	7	x	0.125 =	11	Cft
	1	x	18.00	x	5	x	0.125 =	11	Cft
Toilet	2	x	5.00	x	5	x	0.125 =	6	Cft
Laverty	1	x	4.00	x	10	x	0.125 =	5	Cft
Toilet	1	x	5.50	x	7.5	x	0.125 =	5	Cft
Toilet	2	x	5.25	x	4.5	x	0.125 =	6	Cft
Laverty	1	x	9.25	x	4	x	0.125 =	5	Cft
Toilet	2	x	5.50	x	5.5	x	0.125 =	8	Cft
	1	x	7.50	x	6	x	0.125 =	6	Cft
Total =								88	Cft

@ 38126.1

%Cft.

33551

- 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. a) b) Half body Tile d) (Non-Skid Chequered Tiles) 300mmx300mm

Ramp	2	x	15.00	x	7	x	=	210	Sft
Ramp	1	x	18.00	x	5	x	=	90	Sft
Total								300	Sft

@

211.55

P-Sft

63465

- 9 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. (i) 3/4" thick

Front Ramp	1	x	9.75	x	10	x	=	98	Sft
	1	x	12.00	x	7	x	=	84	Sft
Step	3	x	7.00	x	1	x	=	21	Sft
	4	x	7.00	x	0.5	x	=	14	Sft
Total								217	Sft

@

1308.95

P-Sft

284042

- 10 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 Tile (ii) 600mm x 600 mm

Ramp	4	x	15	x	1.50	x	=	90	Sft
Ramp	4	x	15	x	3.00	x	=	180	Sft
Ramp	2	x	18	x	1.50	x	=	54	Sft
Ramp	2	x	18	x	3.00	x	=	108	Sft
Ramp	6	x	1.125	x	3.00	x	=	20	Sft
Ramp	2	x	1.125	x	7.00	x	=	16	Sft
Total								468	Sft

@

340.5

P-Sft

159354

- 11 Providing and fixing 140 mm wide PVC hand rail panel of specified color hoist over 1.6 mm thick hard aluminum channel fixed on wall bracket and screws c/c the cost of elbows at ends, buffer belt as approved and directed by the Engineer Incharge

1	x	66	=	66	Rft
Total				66	Rft

@

3070

P.Rft

202620

- 12 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stainless 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 stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

4	x	15.00	=	60	Rft
2	x	18.00	=	36	Rft
Total				96	Rft

@

2,361.45

P.Rft

226699

- 13 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) ii) in ordinary soil.

Ramp	4	x	15.00	x	1.5	x	2	180	cft
Ramp	2	x	18.00	x	1.5	x	2	108	cft
								288	cft
Total								10677.75	% cft
									3075

- 14 Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.

Ramp	4	x	15.00	x	1.5	x	0.333	30	cft
Ramp	2	x	18.00	x	1.5	x	0.333	18	cft
								48	cft
Total								8891.5	% cft
									4264

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

Ramp	4	x	15.00	x	1.125	x	5	338	cft
Ramp	2	x	18.00	x	1.125	x	7.5	304	cft
								641	cft
Total								28578.7	% cft
									183281

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

Ramp	4	x	15	x	1.625	x	=	98	Sft
Ramp	2	x	18	x	1.625	x	=	59	Sft
								157	Sft
Total								412.30	P-Sft
									64731

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

Toilet	2	x	5.00	x	5	x	=	50	Sft
Laverty	1	x	4.00	x	10	x	=	40	Sft
Toilet	1	x	5.50	x	7.5	x	=	41	Sft
Toilet	2	x	5.25	x	4.5	x	=	47	Sft
Laverty	1	x	9.25	x	4	x	=	37	Sft
Toilet	2	x	5.50	x	5.5	x	=	61	Sft
	1	x	7.50	x	6	x	=	45	Sft
Total								321	Sft
									77008

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

Toilet	4	x	5.00	x	+	x	5	7	280	Sft	
Laverty	2	x	4.00	x	+	x	10	7	196	Sft	
Toilet	2	x	5.50	x	+	x	7.5	7	182	Sft	
Toilet	4	x	5.25	x	+	x	4.5	7	273	Sft	
Laverty	2	x	9.25	x	+	x	4	7	186	Sft	
Toilet	4	x	5.50	x	+	x	5.5	7	308	Sft	
	2	x	7.50	x	+	x	6	7	189	Sft	
D3	-11	x	2.50	x	7				-193	Sft	
Total									1421	Sft	
@								292.65	P-Sft		415856

- 19 Pacca brick work other than building upto 10ft. (3 m) height:-Ratio 1:4

	7	x	2.50	x	3	x	2.5	131	cft
	14	x	2.50	x	0.375	x	2.5	33	cft
								164	cft
Total								31,336.30	% cft
									514111

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

Vanity

14 x 2.00 x 2.5 x 2.5 =

Total =

175 Sft
175 Sft
@ 3092.10 %Sft

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. (i) 3/4" thick

Vanity

14 x 2.50 x 3

Total =

1308.95

37.50
105 Sft
105 37.50 Sft
P.Sft.

49086
137440

22 (a) (i) 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:- (3) Type C (nominal mix 1: 2: 4)

Vanity

14 x 2.50 x 3 x 0.25 =

Total =

556.50

9 36 Cft
9 36 Cft
P.Cft.

5217
19478

23 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):-
(a) Plain bars (b) Deformed bars (Grade-40)

Vanity

1 x 35.00 x 6.75 x 0.454 =

Total =

31420.10

107 27 Kg
107 27 Kg
%KG

848340
33620

24 Cement pointing struck joints, on walls, upto 20' (6.00 m) height:- a) ratio 1:2 i/c red oxide

Walls

2 x 137.50 x + x 43.833

2

725 Sft

Total

725 Sft

3516.15 + 652.5 @

4168.65

% Sft

30237

25 Providing and applying weather shield paint of approved quality on external surface of building including preparation surface, application of primer complete in all respect: a) old surface: ii) 2nd coat

Walls

Laverty

2 x 137.50 x + x 43.833

12

4352 Sft

Deduction Windows

W1

-19 x 4.00 x 3

-228 Sft

W2

-2 x 4.00 x 6

-48 Sft

V

-10 x 2.00 x 2

-40 Sft

Total

4036 Sft

@

1925.45

% Sft

77711

26 b) Dismantling 2nd class tile roofing.

Roof

1 x 137.50 x 43.833

6027

Sft

Total

6027 Sft

@

1269.85

% Sft

76534

27 Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel

Roof

1 x 137.50 x 43.833 x 0.333

2007

Cft

Total

2007 Cft

@

2539.7

%oCft

5097

28 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, closed cell type structure) i/c cutting and placing in position, complete in all respect b) 1-1/2" thick

Roof

1 x 137.50 x 43.833

6027

Sft

Total

6027 Sft

@

9459.55

% Sft

570131

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

Roof

1 x 137.50 x 43.833

6027

Sft

Total

6027 Sft

@

11947.25

% Sft

720065

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

.1 6.00

6

Nos

Total

6 Nos

@

854.35

Each

5126

30 Preparing surface and painting with emulsion paint:-27.12 :-b)old surface:-ii) two coats i/c scrapping & applying wall putty of 2mm thick

Walls										
Room	2	x	8.00	x	+	x	9.5	8	280	Sft
Ward	2	x	36.50	x	+	x	18	8	872	Sft
Ward	2	x	30.00	x	+	x	18	8	768	Sft
Nursing Station	2	x	10.00	x	+	x	18	8	448	Sft
Ward	2	x	30.00	x	+	x	18	8	768	Sft
Clerk	2	x	8.00	x	+	x	9.5	8	280	Sft
Waiting	2	x	15.00	x	+	x	16	8	496	Sft
DR Room	2	x	15.00	x	+	x	12	8	432	Sft
DR Side Room	2	x	9.00	x	+	x	12	8	336	Sft
DR Room	2	x	15.00	x	+	x	12	8	432	Sft
Statics Room	2	x	15.00	x	+	x	12	8	432	Sft
Accountat	2	x	15.00	x	+	x	12	8	432	Sft
Statics Room	2	x	15.00	x	+	x	13	8	448	Sft
Hall	2	x	24.75	x	+	x	15	8	636	Sft
Accountat	2	x	7.00	x	+	x	5.5	8	200	Sft
Store	2	x	7.50	x	+	x	7.25	8	236	Sft
Store	2	x	8.00	x	+	x	7.5	8	248	Sft
Police Khidmat	2	x	15.25	x	+	x	10.5	8	412	Sft
Corridor	1	x	126.25	x	+	x	8	8	1074	Sft
Toilet	4	x	5.00	x	+	x	5	8	320	Sft
Laverty	2	x	4.00	x	+	x	10	8	224	Sft
Toilet	2	x	5.50	x	+	x	7.5	8	208	Sft
Toilet	4	x	5.25	x	+	x	4.5	8	312	Sft
Laverty	2	x	9.25	x	+	x	4	8	212	Sft
Toilet	4	x	5.50	x	+	x	5.5	8	352	Sft
	2	x	7.50	x	+	x	6	8	216	Sft
Ceiling										
Room	1	x	8.00	x	9.5	x	=		76	Sft
Ward	1	x	36.50	x	18	x	=		657	Sft
Ward	1	x	30.00	x	18	x	=		540	Sft
Nursing Station	1	x	10.00	x	18	x	=		180	Sft
Ward	1	x	30.00	x	18	x	=		540	Sft
Clerk	1	x	8.00	x	9.5	x	=		76	Sft
Waiting	1	x	15.00	x	16	x	=		240	Sft
DR Room	1	x	15.00	x	12	x	=		180	Sft
DR Side Room	1	x	9.00	x	12	x	=		108	Sft
DR Room	1	x	15.00	x	12	x	=		180	Sft
Statics Room	1	x	15.00	x	12	x	=		180	Sft
Accountat	1	x	15.00	x	12	x	=		180	Sft
Statics Room	1	x	15.00	x	13	x	=		195	Sft
Hall	1	x	24.75	x	15	x	=		371	Sft
Accountat	1	x	7.00	x	5.5	x	=		39	Sft
Store	1	x	7.50	x	7.25	x	=		54	Sft
Store	1	x	8.00	x	7.5	x	=		60	Sft
Police Khidmat	1	x	15.25	x	10.5	x	=		160	Sft
Toilet	2	x	5.00	x	5	x	=		50	Sft
Laverty	1	x	4.00	x	10	x	=		40	Sft
Toilet	1	x	5.50	x	7.5	x	=		41	Sft
Toilet	2	x	5.25	x	4.5	x	=		47	Sft
Laverty	1	x	9.25	x	4	x	=		37	Sft
Toilet	2	x	5.50	x	5.5	x	=		61	Sft
	1	x	7.50	x	6	x	=		45	Sft
Deduction Doors										
D1	-5	x	3.50	x	8				-140	Sft
D2	-10	x	4.50	x	8				-360	Sft
D3	-11	x	2.50	x	8				-220	Sft
D	-1	x	6.00	x	7				-42	Sft
Deduction Windows										
W1	-19	x	4.00	x	3				-228	Sft
W2	-2	x	4.00	x	6				-48	Sft
V	-10	x	2.00	x	2				-40	Sft

@ Total 3167.6 % Sft 14333 Sft 454012

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

1	15.00			15	Nos
				15	Nos
		@	Total	2932	Each
					43980

32

SANITRY INSTALLATION

Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tee stop cocks, lever type Basin Mixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc.

- 32 complete in all respect as approved and directed by the Engineer incharge. (i) 3 No Tee Stop Cock (set) (ii) Lever Type Basin Mixer (iii) Double Bib Cock (iv) Open Type Wall (v) Muslim shower (vi) Waste Coupling (vii) Bottle Trap

1	x	7	=	7	Nos
			Total	=	7
		@	33004	Each	231,028

Providing and fixing Bathroom Accessories (7-piece set) Master brand - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge. (i) Plastic soap dish (ii) Plastic toilet paper holder (iii) Plastic towel rail (iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing (v) Plastic Brush holder (vi) Looking glass with plastic frame (vii) Towel ring

- 33 Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1	x	7	=	7	Nos
			Total	=	7
		@	7600	Each	53,200

- 34 Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. v) Under Counter Vanity Basin

1	x	7	=	7	Nos
			Total	=	7
		@	7329.95	Each	51,310

- 35 Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of complete in all respect as approved and directed by the Engineer incharge. (ii) Lever Type Basin Mixer

7	x	1	=	7	Nos
			Total	=	7
		@	6532.00	Each	45,724

- 36 Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. (ii) coloured

1	x	6	=	6	No
			Total	=	6
		@	2458.30	Each	14750

- 37 Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. (ii) coloured

1	x	6	=	6	No
			Total	=	6
		@	2649.10	Each	15895

- 38 Providing and fitting "P" trap: (ii) 10 cm (4") glazed.

1	x	12	=	12	No
			Total	=	12
		@	283.10	Each	3397

- 39 Providing and fitting one piece European Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (full size) i/c the cost of CP/rubber connection, thimble, normal seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.

1	x	1	=	1	No
			Total	=	1
		@	19987.90	Each	19988

- 40 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). a) PN-20 pipe (ii) (3/4") 25 mm

13	x	31	=	403	Rft
			Total	=	403
		@	66.5	P.Rft	26800

cast iron water down pipe 4" d

- 41 Providing, fixing, testing and commissioning of u-PVC (Unplasticized Polyvinyl Chloride) Nikasil/ waste pipe make of Dadex /Popular/Beta or equivalent, plain /socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge. a) Type (SDR 41/SN-4) (v)4"(110 mm)

7 x 10

325-95

Total
217.25 P.Rft

70
70

Rft
Rft

22817/45208

42 INTERNAL ELECTRIC INSTALLATION

S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

1 x 13

Total = 13
@ 1800 Each

No
No
23,400

- 43 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schneider, screws complete as approved and directed by the Engineer Incharge Large (iii) 06 Gauge

1 13.00

Total 13
@ 1,162.50 Each 15113

ii Large (iii) 04 Gauge

1 4.00

Total 4
@ 802.50 Each 3210

- iii (a) One way Gauge Switch Small (viii) Three Pin Power Plug 15-32 Amp

1 15.00

Total 15
@ 754.50 Each 11318

44. 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. P#141(3.iii) 1" Dia

1 x 350.00 x x

Total 350
@ 94.60 p.Rft 33110

ii 3/4" i/d (25 mm i/d) PVC Pipe

1 x 450.00 x x

Total 450
@ 81.70 p.Rft 36765

- 45 Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):250/440 volts, PVC insulated- 3/0.029"

5 x 270.00 x x

Total 1350
@ 25.70 p.Rft 34695

ii 7/0.029"

3 x 270.00 x x

Total 810
@ 40.75 p.Rft 33008

- 46 Supply and erection of button holder. i) bakelite large size

1 13.00

Total 13
@ 53.75 Each 699

47

NUSRING COUNTER

1 x 2

Total = 2
@ 49609.501 Each 99,219

Total Rs:

5732661

535455/5343341

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

**PSYCHIATRISTS BLOCK
RECOVERY OF OLD MATERIAL**

1. RECOVERY OF OLD BRICK TILE

Take Qty of Dismantling 2nd class tile roofing

70% usable old tassu

6027 X 70 / 100
4219 / 0.28
2411 x 3.55
@ 3,200.00 =

6027 Sft

4219

2411 Sft

15068

8550 Nos

Rs. 27387/-

75338/-

0%Nos

30% Bricks bats old tassu

6027 X 30 / 100
1808
3616 x 0.125
@ 1,250.00 =

3616 Sft

226

452 Cft

Rs. 6650/-

6780/-

%Cft

Total Rs:

33037

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

REVISED

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

ANALYSIS RATE OF NURSING COUNTER

- 1 Pacca brick work other than building upto 10ft. i) cement, sand mortar:-Ratio 1:4

1	x	9.00	x	2.5	x	0.5		11	cft	
1	x	9.00	x	0.75	x	2		14	cft	
3	x	2.50	x	0.75	x	2.5		14 11	cft	
								36	cft	
								36		
										12462

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

2	x	9.00	x	2	x			36	Sft	
1	x	9.00	x	1	x			9	Sft	
1	x	9.00	x	1.5	x			14	Sft	
								59	Sft	
										1824

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	16	x	6.75	x	0.4535	=	49	Kg	
								49	Kg	
										15587

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

1	x	9	x	2	x	0.5	=	9	Cft	
1	x	9	x	1.5	x	0.5	=	7	Cft	
								16	Cft	
										8904

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

1	x	9	x	3	x			27	Sft	
								27	Sft	
										11132

Total Rs: 49609.50

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

DETAILED ESTIMATE OF OF EXTERNAL WIRING

2nd Bi-Annual 2022

S.NO.	DESCRIPTION OF ITEM	NO	L	B	D	C	AMOUNT
1	Dismantling brick or flagged flooring without concrete foundation	2 x	8 x	2 x	=	32 Sft	
		1 x	10 x	2 x	=	20 Sft	
		1 x	35 x	2 x	=	70 Sft	
		2 x	20 x	2 x	=	80 Sft	
		2 x	38 x	2 x	=	152 Sft	
		2 x	150 x	2 x	=	600 Sft	
					Total =	954 Sft	
				@	863.50	% Sft	8238
2	c) Dismantling cement concrete 1:2:4 plain	2 x	8 x	2 x	0.125 =	4 Cft	
		1 x	10 x	2 x	0.125 =	3 Cft	
		1 x	35 x	2 x	0.125 =	9 Cft	
		2 x	20 x	2 x	0.125 =	10 Cft	
		2 x	38 x	2 x	0.125 =	19 Cft	
		2 x	150 x	2 x	0.125 =	75 Cft	
					Total =	120 Cft	
				@	11,174.60	% Cft	13410
3	c) Dismantling mud concrete	2 x	8 x	2 x	0.333 =	11 Cft	
		1 x	10 x	2 x	0.333 =	7 Cft	
		1 x	35 x	2 x	0.333 =	23 Cft	
		2 x	20 x	2 x	0.333 =	27 Cft	
		2 x	38 x	2 x	0.333 =	51 Cft	
		2 x	150 x	2 x	0.333 =	200 Cft	
					Total =	319 Cft	
				@	2,031.75	% Cft	6481
4	Supply and erection of PVC pipe for wiring recessed in walls, 38.3 & including inspection boxes, pull boxes, hooks, cutting jharries, 38.5 and repairing surface, etc., complete with all specials. 4" DIA	1 x	35 x	2	=	70 Rft	
					Total =	70 Rft	
				@	94.60	P.Rft	6622
5	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) b) in ordinary soil.	1 x	190 x	1 x	1 =	190 Cft	
		1 x	30 x	1 x	1 =	30 Cft	
		1 x	149 x	1 x	1 =	149 Cft	
		1 x	80 x	1 x	1 =	80 Cft	
		1 x	325 x	1 x	1 =	325 Cft	
		1 x	300 x	1 x	1 =	300 Cft	
		1 x	270 x	1 x	1 =	270 Cft	
		1 x	70 x	1 x	1 =	70 Cft	
		1 x	15 x	1 x	1 =	15 Cft	
		1 x	250 x	1 x	1 =	250 Cft	
					Total =	1679 Cft	
				@	10,677.75	%oCft	17928
6	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	1 x	190 x	1 x	0.25 =	48 Cft	
		1 x	30 x	1 x	0.25 =	8 Cft	
		1 x	149 x	1 x	0.25 =	37 Cft	
		1 x	80 x	1 x	0.25 =	20 Cft	
		1 x	325 x	1 x	0.25 =	81 Cft	
		1 x	300 x	1 x	0.25 =	75 Cft	
		1 x	270 x	1 x	0.25 =	68 Cft	
		1 x	70 x	1 x	0.25 =	18 Cft	
		1 x	15 x	1 x	0.25 =	4 Cft	
		1 x	250 x	1 x	0.25 =	63 Cft	
					Total =	422 Cft	
				@	8,891.50	%Cft	37522

7 Pacca brick work other than building upto 10ft. (3 m)
height:- i) Cement, sand mortar:- Ratio 1:4

2 x	190 x	0.75 x	1 =	295 Cft
2 x	30 x	0.75 x	1 =	45 Cft
2 x	149 x	0.75 x	1 =	224 Cft
2 x	80 x	0.75 x	1 =	120 Cft
2 x	325 x	0.75 x	1 =	488 Cft
2 x	300 x	0.75 x	1 =	450 Cft
2 x	270 x	0.75 x	1 =	405 Cft
2 x	70 x	0.75 x	1 =	105 Cft
2 x	15 x	0.75 x	1 =	23 Cft
2 x	250 x	0.75 x	1 =	375 Cft

Total = 2520 Cft

@ 31336.80 % Cft, 789675

8 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):-
G-40

1 x 1524 x 6.75 x 0.454 = 4670.298 Kg

@ 31,420.10 %Kg 1467412

9 (a)(iii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i) & (ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:-
(3) Type C (nominal mix 1: 2: 4)

1 x	190 x	2.75 x	0.33 =	172 Cft
1 x	30 x	2.75 x	0.33 =	27 Cft
1 x	149 x	2.75 x	0.33 =	135 Cft
1 x	80 x	2.75 x	0.33 =	73 Cft
1 x	325 x	2.75 x	0.33 =	295 Cft
1 x	300 x	2.75 x	0.33 =	272 Cft
1 x	270 x	2.75 x	0.33 =	245 Cft
1 x	70 x	2.75 x	0.33 =	64 Cft
1 x	15 x	2.75 x	0.33 =	14 Cft
1 x	250 x	2.75 x	0.33 =	227 Cft

Total = 1524 Cft

@ 457.75 % Cft 697611

10 Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 600/1000 volts grade cable, in to prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):-19/0.083

LT LINE TO TRANSFORMER	4 x	145 x	4	=	2320 Rft
MEDICINE STORE	4 x	90 x		=	360 Rft
TRAUMA CENTER	4 x	318 x		=	1272 Rft
DIALYSIS CENTER	4 x	328 x		=	1312 Rft
MEDICAL WARD	4 x	308 x		=	1232 Rft
CCU WARD	4 x	270 x		=	1080 Rft
PEADS WARD	4 x	190 x		=	760 Rft
	4 x	12 x		=	48 Rft
SYE WARD	4 x	80 x		=	320 Rft
	4 x	60 x		=	240 Rft
	4 x	80 x		=	320 Rft
	4 x	60 x		=	240 Rft
	4 x	149 x		=	596 Rft
	4 x	20 x		=	80 Rft
GALLERY MS	4 x	30 x		=	120 Rft
	4 x	38 x		=	152 Rft
	4 x	38 x		=	152 Rft
	4 x	20 x		=	80 Rft
	4 x	20 x		=	80 Rft

	4 x	38 x	=	152 Rft
	4 x	40 x	=	160 Rft
LABOR WARD	4 x	320 x	=	1280 Rft
TB WARD	4 x	45 x	=	180 Rft
	4 x	40 x	=	160 Rft
	4 x	15 x	=	60 Rft
	4 x	70 x	=	280 Rft
Labortary	4 x	250 x	=	1000 Rft
	4 x	90 x	=	360 Rft
SURGICAL WARD	4 x	20 x	=	80 Rft
	4 x	35 x	=	140 Rft
	4 x	130 x	=	520 Rft
	4 x	180 x	=	720 Rft
Psychiatry department	4 x	270 x	=	1080 Rft
	4 x	445 x	=	1780 Rft
	4 x	440 x	=	1760 Rft
			Total =	20476 Rft 2000
			@	653.35 P.Rft 13377995

1306700

11

Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I.wire/trenches (rate for cables only):- vi) 7/1.63 mm (7/0.064")

Psychiatry department	8 x	270 x	=	2160 Rft
			Total =	2160 Rft
			@	175.50 P.Rft 379080

12

Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I.wire/trenches (rate for cables only):- 7/0.036

Psychiatry department	10 x	270 x	=	2700 Rft
			Total =	2700 Rft
			@	53.80 P.Rft 145260

13

Supplying, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A /SCHNEIDER GERMANY/TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. a) Tripple Pole (x) 200-250 Amp (36 KA) (3'x4'x1')

TRAUMA CENTER	1 x	5 x	=	5 Nos
CONTROL ROOM	1 x	9 x	=	9 Nos
SURGICAL WARD	1 x	5 x	=	5 Nos
TB WARD	1 x	5 x	=	5 Nos
LABOUR WARD	1 x	5 x	=	5 Nos
	1 x	9 x	=	9 Nos
	1 x	9 x	=	9 Nos
MEDICAL WARD	1 x	6 x	=	6 Nos

4497 Total = 2553 Nos 300 cft
39,814.30 Each 2110135

14 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, Neutral & Earth Bar, Door Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). 6" DEEP (i) 20-60A (1.5'x2'x0.5')

995350

1349100

DB 20-60A (18"x24"x6")	4 x	1 x	1.5	=	6.00 Sft
DB 2.5'x3'x6"					

8507629

C ROOM	4 x	2.5 x	2	=	20.00 Sft
DIALYSIS UNIT	2 x	2.5 x	3	=	15 Sft
CCU	2 x	2.5 x	3	=	15 Sft
TRUMA CENTER	2 x	2.5 x	2	=	10 Sft

Total = 2466.00 Sft
 @ 18634.45 P.Sft
 18,634.45

36 cft

1229874

447226.8
 670840.2

- 15 Supplying, installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4mm thick dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter, i/c the cost of nuts & J-rag bolts, duly fixed in prelaaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer In charge. a)Single Arm(ii) 10 mtr height

Alongwith Road	1 x	15 x	=	15 Nos
			Total =	15 Nos

@ 106,240.30 Each 1593605

- 16 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/Ligtech make or equivalent), minimum 10kV 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 elevatorcharges as approved and directed by the Engineer Incharge. c)120 Lm/Watt (ii) 40 Watt with 4800 Lumens

Alongwith Road	1 x	15 x	=	15 Nos
			Total =	15 Nos

@ 49,384.50 Each 740768

Total: 22621639

6040093

Sub Engineer

Sub Divisional Officer
 Buildings Sub Division
 Muzaffargarh

Executive Engineer
 Buildings Division
 Muzaffargarh

CARRIAGE OF OLD DISMANTLED MATERIAL

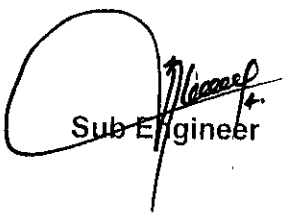
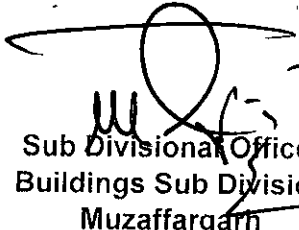
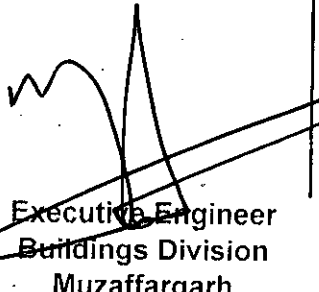
Sr. No.	Description	Quantity			Remarks
1	Dismantling brick work in lime or cement mortar.	= 478			MB
2	c) Dismantling cement concrete 1:2:4 plain.	= 4089			MB
3	Dismantling cement concrete reinforced, separating reinforcer	= 3018			MB
4	b) Dismantling 2nd class tile roofing.	= 4707			MB
5	Removing old cement or lime plaster.	= 778			MB
6	Dismantling glazed or encaustic tiles, etc.	= 6575			MB
Total =		19645	Cft	2491.00	%Cft

Total = Rs. 489363.799

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzaffargarh

Executive Engineer
Buildings Division
Muzaffargarh

Rate Analysis							
CW-11	Subject: Removing Malba/Debries through trolley 100 Cft (carriage upto 08 Kms Mehmood Booti Disposal Station) i/c loading & unloding with help of Labour Complete in all respect as Directed by the Engineer Incharge.						
						Unit Rate per 100 Cft (loose 125 Cft.)	
S#	Detail	Reference	Qty	Unit	Rate (Rs.)	/Unit	Amount (Rs.)
i	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. (upto 08 Km)						
	1st chain (1st 30 m)	MRS	1	M	225.35		225.35
	2nd chain (2nd 30 m)	//	1	M	41.3		41.3
	3rd to 10th chain (60 to 300 m)	//	1	M	25.8		25.8
	1000 to 3000 ft. (300 to 900 m)	//	1	M	252.95		252.95
	1st Km	//	1	Km	247.3		247.3
	2nd Km	//	1	Km	113.75		113.75
	3rd Km	//	1	Km	84.25		84.25
	Total for 100 Cft.						990.70
B	LABOUR						
i	Cooly	I#LB-024 P#1	2.00	Nos.	750.00	/Day	1500.00
	Total						1500.00
	Total A+B						2490.70
Say Rs Per Trolley (100 Cft.) =2490.70=2491							
Removing Malba/Debries through trolley 100 Cft (carriage upto 03Kms) i/c loading & unloding with help of Labour Complete in all respect as Directed by the Engineer Incharge.						2491/Trolley	
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Sub Engineer</p> </div> <div style="text-align: center;">  <p>Sub Divisional Officer Buildings Sub Division Muzaffargarh</p> </div> <div style="text-align: center;">  <p>Executive Engineer Buildings Division Muzaffargarh</p> </div> </div>							

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS FOR UPVC DOOR

S.No	Description	No	Breadth	Depth	nte	Amount
------	-------------	----	---------	-------	-----	--------

Unit of Rate.....P.SFT

- 1 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

A Material

1. 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
- 100 Sft P.Sft 75850 75850

Total A 75850

B Labour

- 2 Labour For Fixing & Installation 1 Job P.Job 10850 10850

Total B 10850

Total Cost A+B 86700

Add 20% contractor profit on Rs 86700 17340

Total 104040

Rate P.Sft 104040 / 100 1040.4

Say 1040

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1040/- has been applied after ascertaining it from the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
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Executive Engineer
Buildings Division
Muzzafargarh

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS FOR ANTI MICROBIAL PVC WALL CLADDING

S.No	Description	No	Breadth	Depth	nte	Amount
------	-------------	----	---------	-------	-----	--------

Unit of Rate.....P.SFT

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

A Material

1	premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares	100	Sft	P.Sft	^{1408.40} 140840	140840
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Total A 140840

B Labour

2	Labour For Fixing & Installation	1	Job	P.Job	16650	16650
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Total B 16650

Total Cost A+B 157490

Add 20% contractor profit on Rs. 157490 31498

Total 188988

Rate P.Sft 188988 / 100 1889.9

Say: 1890

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1890/- has been applied after ascertaining it from the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzzafargarh

Executive Engineer
Buildings Division
Muzzafargarh

Superintending Engineer
Buildings Circle
Muzzafargarh

ANALYSIS FOR SS CORNER GUARD ANGLE

S.No	Description	No	Breadth	Depth	nte	Amount
------	-------------	----	---------	-------	-----	--------

Unit of Rate.....p.Rft

- 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.

A Material

1	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)	10	Rft	P.Rft	358.5 3585	3585
---	--	----	-----	-------	---------------	------

Total A 3585

B Labour

2	Labour For Fixing & Installation	1	Job	P.Job	1250	1250
---	----------------------------------	---	-----	-------	------	------

Total B 1250

Total Cost A+B 4835

Add 20% contractor profit on Rs 4835 967

Rate P.Rft 5802 / 10 580.2 Total 5802

Say : 580

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 580/- has been applied after ascertaining it from the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzzafargarh

Executive Engineer
Buildings Division
Muzzafargarh

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS OF RATE FOR THE ITEM

Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage and Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. (ii) 48 watt/4000 k

Detail of Cost=1-No.

Unit = Each

2nd BI-annual 2022

A	Material					
1	ED SMD Panel Light 2 ft×2 ft	1	No	Each	12285	12285
						12285

B	Labour					
1	Labour for fixing / installation.	5	No	Each	967	48 1/3
					Total "B"	48
					Total Cost ="A"+"B" =	12333
	Add 20% Contractor's Profit & Overhead charges on Rs.	12333	/-			2466.67
					Grand Total: =	14800

Unit Rate P Sft = 14800.02 / 1 14800 Each

SAY 14800 Each

- 1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates displayed on web site of Finance Department for **2nd BI-Annual 2022**
- 2 Certified that rates for items at serial No. except all above are not available on the web site of Finance Department for **2nd BI-Annual 2022** and based on prevailing Market Rates.

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
Muzaffargarh

EXECUTIVE ENGINEER
Buildings Division
Muzaffargarh

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS OF RATE FOR THE ITEM

S/E of LED Bulb 40-Watt best quality as approved by the Engineer Incharge

Detail of Cost=1-No.

Unit = Each

2nd Bi-annual 2022

A	Material					
1	LED BULB 40- WATT	1	No	Each	1450	1450
						1450

B	Labour					
1	Labour for fixing / installation.	20	No	Each	967	48 1/3
					Total "B"	48
					Total Cost ="A"+"B" =	1498
	Add 20% Contractor's Profit & Overhead charges on Rs.	1498	-			299.67
					Grand Total: =	1798

Unit Rate P Sft = 1798.02 / 1 1798 Each

SAY 1800 Each

1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates displayed on web site of Finance Department for **2nd BI-Annual 2022**

2 Certified that rates for items at serial No. except all above are not available on the web site of Finance Department for **2nd BI-Annual 2022** and based on prevailing Market Rates.

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
Muzaffargarh

EXECUTIVE ENGINEER
Buildings Division
Muzaffargarh

Superintending Engineer
Buildings Circle
Dera Ghazi Khan

ANALYSIS FOR NON POROUS FALSE CEILING

S.No	Description	No	Breadth	Depth	nte	Amount
------	-------------	----	---------	-------	-----	--------

Unit of Rate.....P.SFT

- Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp edges & flange 19.5 mm (ii) 400 mmX 400 mm

A Material

1	Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge. (A) 0.6 mm thick (a) Sharp edges & flange 19.5 mm (ii) 400 mmX 400 mm	100	Sft	P.Sft	70450	70450
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Total A 70450

B Labour

2	Labour For Fixing & Installation	1	Job	P.Job	8325	8325
---	----------------------------------	---	-----	-------	------	------

Total B 8325

Total Cost A+B 78775

Add 20% contractor profit on Rs 78775 15755

Total 94530

Rate P.Sft 94530 / 100 945.3

Say : 945

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 945/- has been applied after ascertaining it from the market.

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Muzzafargarh

Executive Engineer
Buildings Division
Muzzafargarh

Superintending Engineer
Buildings Circle
Derghazi Khan

ANALYSIS FOR LEAD LINNING

S.No	Description	No	Breadth	Depth	Rate	Amount
------	-------------	----	---------	-------	------	--------

Unit of Rate.....P.SFT

- P/F of LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete in all respect as approved and directed by the Engineer Incharge also approved the Radiation Protecting agency etc.

A Material

- LEAD Lining 2mm thick lead sheet with wall for radiation protection upto roof height as aper instruction & covering with MDF Board 3/4" thick panelling i/c frame of Kail Wood 1-1/2"x2" i/c termite proofing & fancy Deodar Wood Beading complete

Total A 128950

B Labour

- Labour For Fixing & Installation

Total B 15250

Total Cost A+B 144200

Add 20% contractor profit on Rs 144200 28840

Total 173040

Rate P.Sft 173040 / 100 1730.4

Say 1730

CERTIFICATE

i) Certified that rates for items at serial No. 1 & 2 are not available on the Website of Finance Department for the 2nd Bi-Annual 2022 and as such the rate of Rs: 1730/- has been applied after ascertaining it from the market.

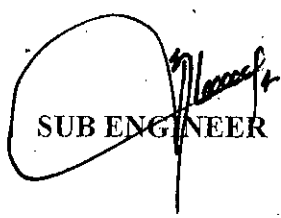
Sub Engineer

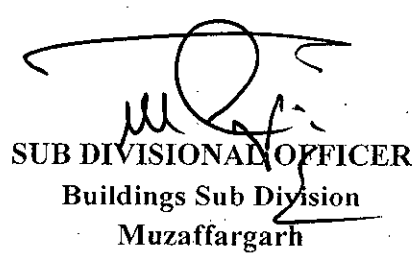
Sub Divisional Officer
Buildings Sub Division
Muzzafargarh

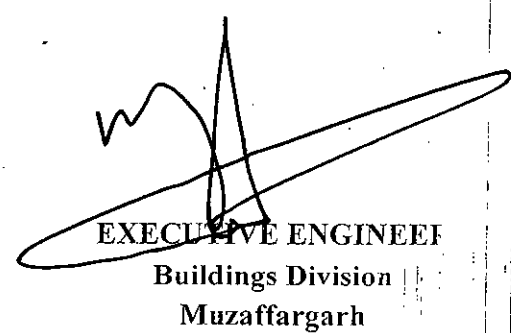
Executive Engineer
Buildings Division
Muzzafargarh

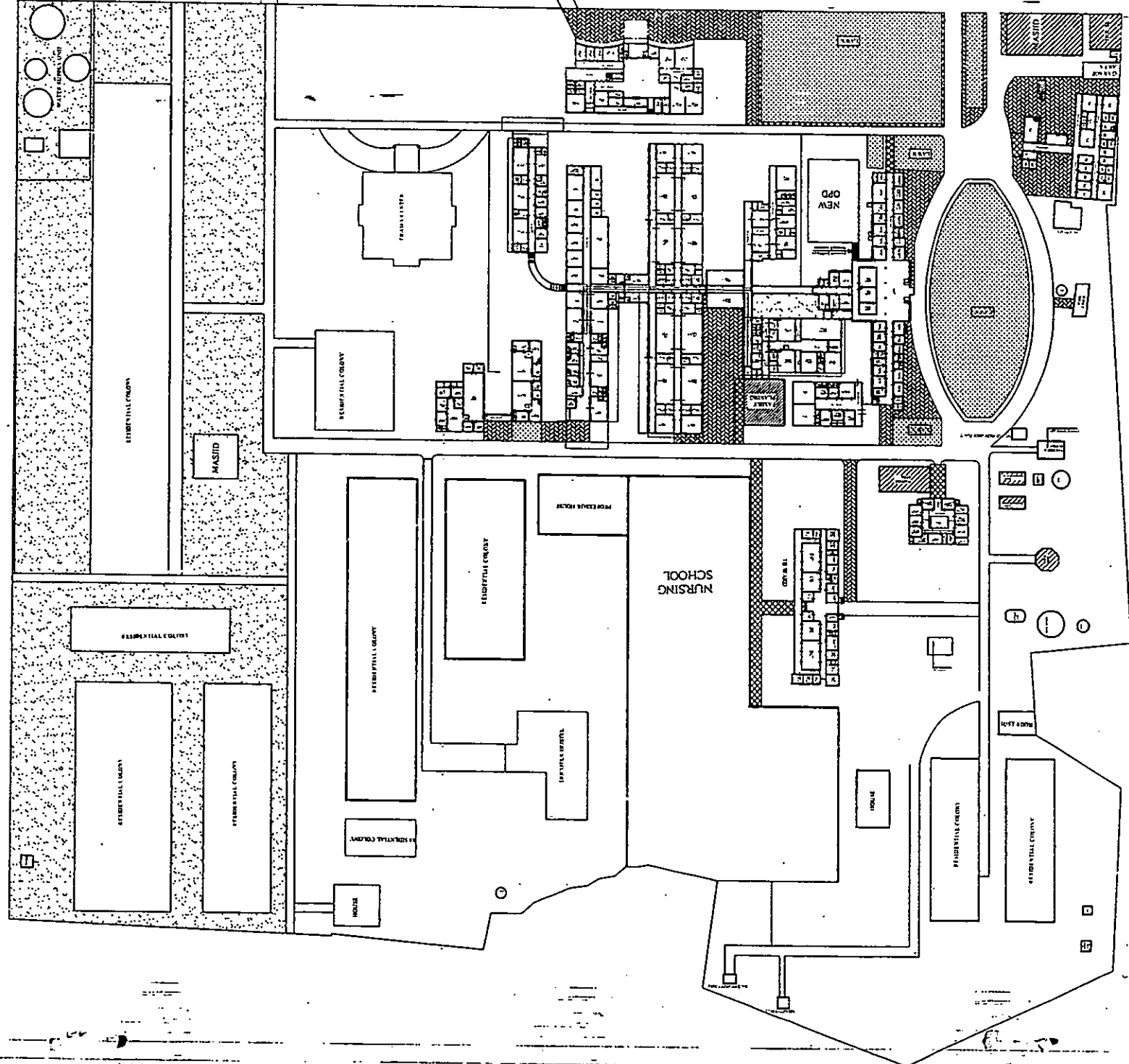
Superintending Engineer
Buildings Circle
Dera Ghazi Khan

Rate Analysis							
EL-01	Subject: Providing and Fixing of Ceiling Fan (56" Sweep) as Per Approved Manufactur (GFC or Equivalent) including all Necessary Hardware on Site Compete in all Respect as Directed by the Engineer Incharge.						
			Unit Rate Each				
S#	Detail	Reference	Qty	Unit	Rate (Rs.)	Unit	Amount (Rs.)
A	Material						
i	Bracket Fan	Market Rate	1.00	Nos	5480.00	/Each	5480.00
	Total						5480.00
	Add 20% Contractor's Profit+Overhead Charges						1096.00
	Total						6576.00
B	LABOUR for 05						
i	Electrician	I#LB-035 P#1	1.00	Nos	1250.00	/Day	1250.00
ii	Helper	I#LB-061 P#3	1.00	Nos	962.00	/Day	962.00
	Total						2212.00
	Add 20% Contractor's Profit & Overhead Charges						442.40
	Total						2654.40
	Total for 01 fan						530.88
	Grand Total (A+B)						7106.88
Say Rs=7100.00							
Providing and Fixing of Ceiling Fan (56" Sweep) as Per Approved Manufactur (GFC or Equivalent) including all Necessary Hardware on Site Compete in all Respect as Directed by the Engineer Incharge.						7100/Each	


SUB ENGINEER


SUB DIVISIONAL OFFICER
Buildings Sub Division
Muzaffargarh


EXECUTIVE ENGINEER
Buildings Division
Muzaffargarh



Handwritten signature and date: 08/02/2000

Handwritten signature and date: 08/02/2000

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:LO22010088
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010088
A/C To be Credited:Account-I

PKR Million

Sr #	Object Code	2025-2026		2026-2027		2027-2028		2028-2029		2029-2030	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

10. FINANCIAL PLAN AND MODE OF FINANCING

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

Revenue Side:

(Rs.in Million)

	FY 2021-22	FY 2022-23
Funds Released	6.920	12.188
Utilization	5.644	2.272

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	0.000	35.000
Utilization	0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

SOCIAL BENEFITS WITH INDICATORS

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

SOCIAL IMPACT:

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

EMPLOYMENT GENERATION (DIRECTOR AND INDIRECT)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

ENVIRONMENTAL IMPACT

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

IMPACT OF DELAYS ON PROJECT COST AND VIABILITY

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

deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

FINANCIAL BENEFITS & ANALYSIS

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

11.1.1 FINANCIAL IMPACT:

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

11.2 REVENUE GENERATION

Revenue will be generated from:

Laboratory fees

Diagnostic facility fees

X-Ray fee

Dental fee

ECG fee

Private room charges

Parking fee

Medico Legal Fee

Medical Certificate of New Government Employees

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Starting date: 01-07-2021

Expected Completion date: 30-06-2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

undefined

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

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

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

12.6 PROCUREMENT PLAN

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:

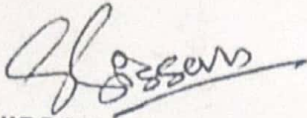
Tel. No.:042-99231206

Fax No:

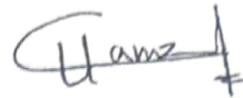
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:

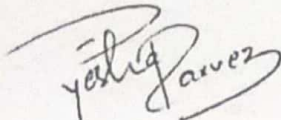


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