PC-1

Balance Work of Revamping of DHQ Hospital Vehari

ORIGINAL APPROVED COST	**PKR Million. 195.842/-**
ORIGINAL APPROVED GESTATION	**43 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Balance Work of Revamping of DHQ Hospital Vehari

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. VEHARI

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5362
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Provision of Rs.1300 reflected at G.S. No.660 of ADP 2020-21 titled “Balance Work of Revamping of All DHQ & 15 THQ Hospitals in Punjab.

5. PROJECT OBJECTIVES

attached

Project objectives and its relationship with Sectorial Objectives and Components

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

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

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

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

5.1. Brief Description / Background

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

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

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

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

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

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

C) External Electrification

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

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

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

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

Total area of the DHQ Hospital Vehari:	118,571 SFT
Area completed:	31,480 SFT
Area Descoped:	0 SFT
External Development and Electrification:	Not Executed

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

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

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

5.2 Infrastructural Interventions

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

Major infrastructural interventions can be divided in the following three categories

5.4.1 External Development

5.4.2 Internal Development

5.4.3 Medical Infrastructure Development

5.4.4 Emergencies Development

5.3 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 External Electrification

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

5.3.2.1 Ramp and Stretcher improvement

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

5.3.2.2 Seamless flooring and Lead Lining

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

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

5.3.2.3 Aluminum doors and windows

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

5.3.2.4 Improvement of washroom blocks

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

5.3.2.5 Fire and theft security

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

5.3.3 Medical Infrastructure Development

Includes establishment of new facilities which are as follows:

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

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

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

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

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

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

5.3.3.1 ICU

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

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

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

5.3.3.2 CCU

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

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

5.3.3.3 DIALYSIS UNIT

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

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

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

5.3.3.4 BURN UNIT

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

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

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

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

5.4.1 EMERGENCY DAPARTMENT:

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

5.4.2 General Overview of Emergency Department

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

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

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

5.4.3 Position of Emergency Department

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

5.4.4 Addition of Portico and External Structures

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

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

5.4.5 General Building Interventions:

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

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

5.5 Introduction of IT-based solutions

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

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

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

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

- MLC portal

5.6 MONITORING AND QUALITY ASSURANCE (PROCESS INTERVENTIONS)

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

5.6.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

The PDSA cycle

1. Developing a plan to test the change (Plan),

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

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

5.6.2 Supply of missing Biomedical and non-biomedical equipment

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

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

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

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

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

5.7. Electronic Medical Record (EMR) and QMS

5.7.1 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

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

5.7.2 Public Address System

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

5.7.3 CCTV System

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

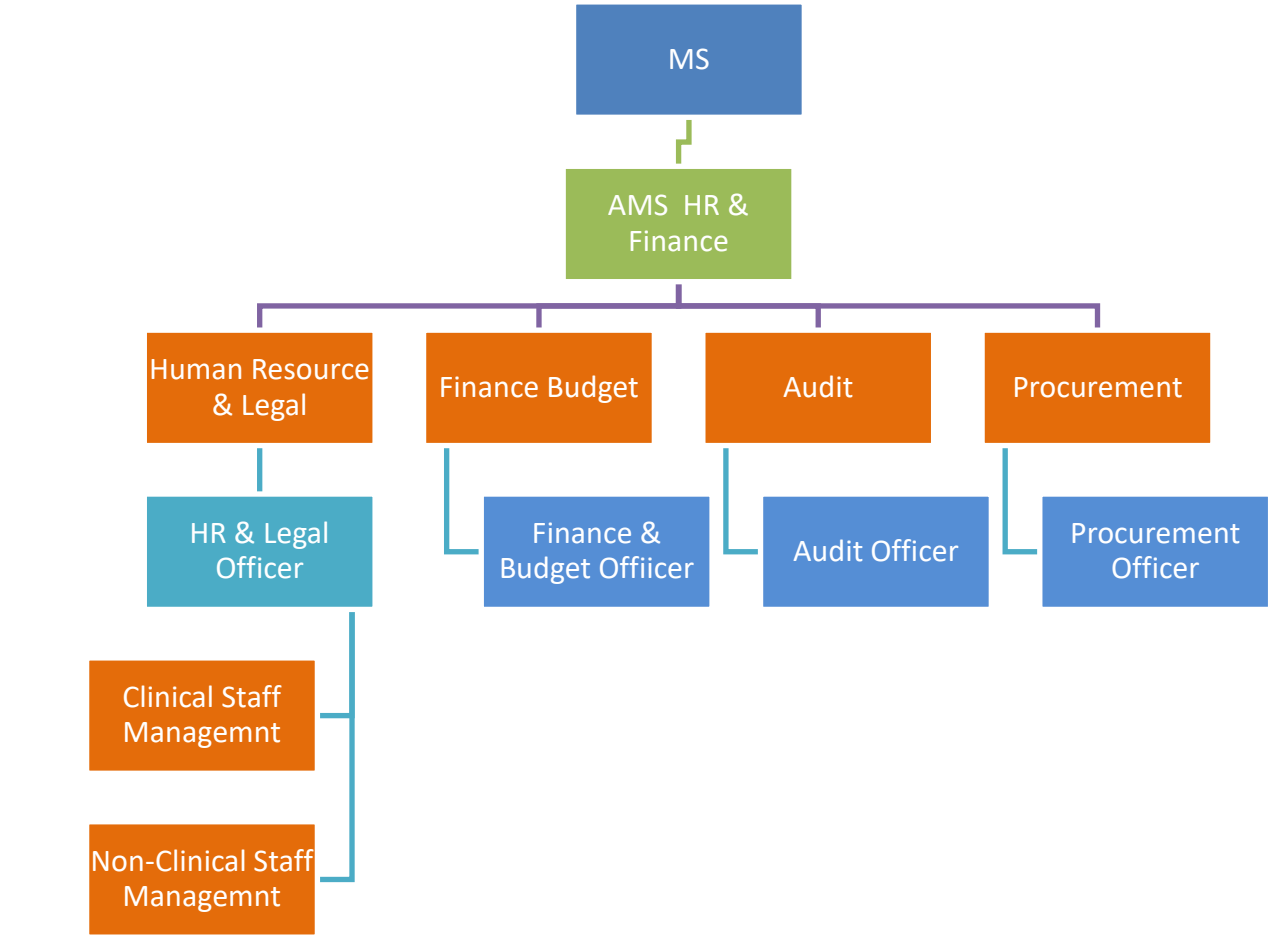
5.7.4 EMR and Networking

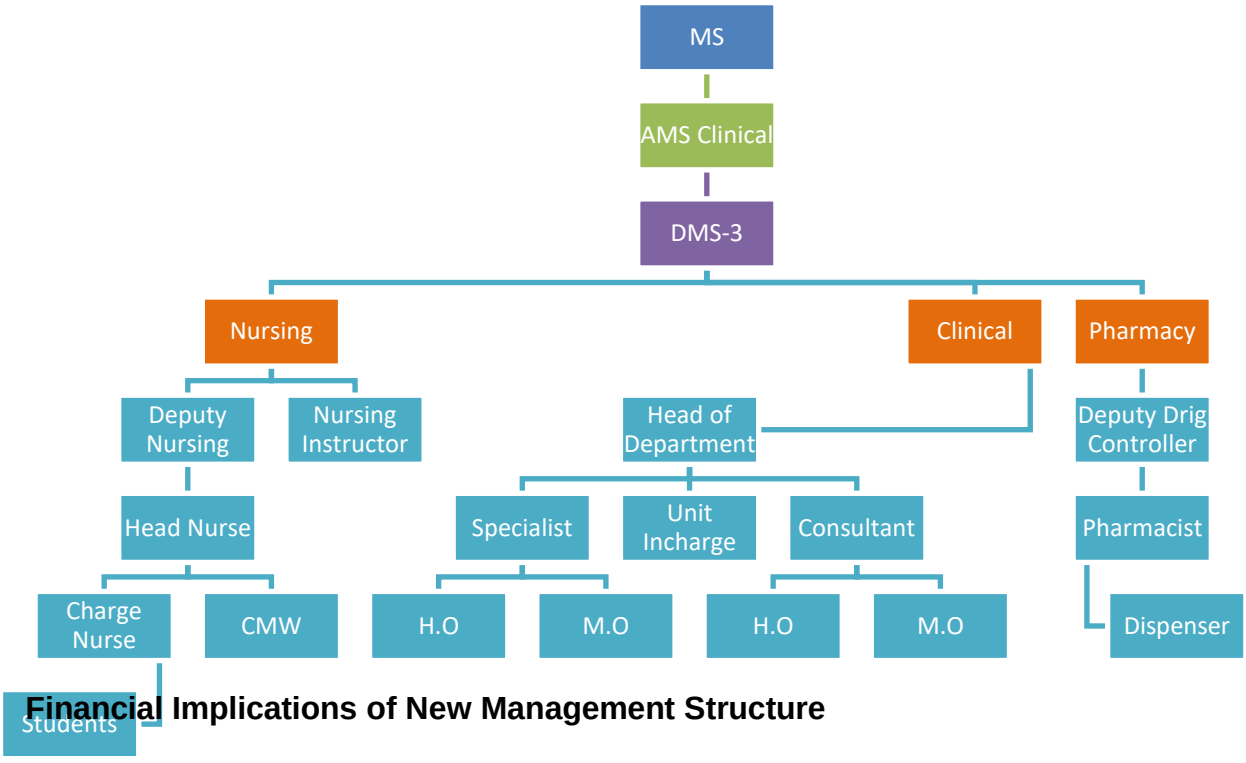
Establishment of network infrastructure, establishing a central data center, connectivity of different building through fiber, are also the major components of the revamping project in terms of ICT. This will including provision of networking point at all nursing stations and important areas where entries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

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

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

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





Financial Implications of New Management Structure

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

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

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
ADMIN OFFICER	1	80,000	960,000	105,000	1,260,000
HUMAN RESOURCE OFFICER	1	80,000	960,000	105,000	1,260,000
IT/STATISTICAL OFFICER	1	80,000	960,000	105,000	1,260,000
FINANCE & BUDGET OFFICER	1	80,000	960,000	105,000	1,260,000
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

Eigibility Criteria

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

5.8.2.2 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.8.2.3 Audit Officer

Shall be responsible for following functions:

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

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

Eigibility Criteria

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

5.8.2.4 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.8.2.5 ADMIN OFFICER AND ASSISTANT ADMIN OFFICER

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

1. Security
2. Transport
3. Parking
4. Janitorial
5. Canteen

6. External housekeeping
7. Electrical works
8. Internal housekeeping
9. Laundry
10. Stores & supplies

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

Eligibility Criteria (Admin Officer)

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

Eligibility Criteria (Assistant Admin Officer)

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

5.8.2.6 IT/STATISTICAL OFFICER

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

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

Eligibility Criteria

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

5.8.2.7 QUALITY ASSURANCE OFFICER

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

Eligible Criteria

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

   OR

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

5.8.2.8 BIO-MEDICAL ENGINEER

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

Eligible Criteria

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

5.8.2.9 LOGISTICS OFFICER

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

Eligible Criteria

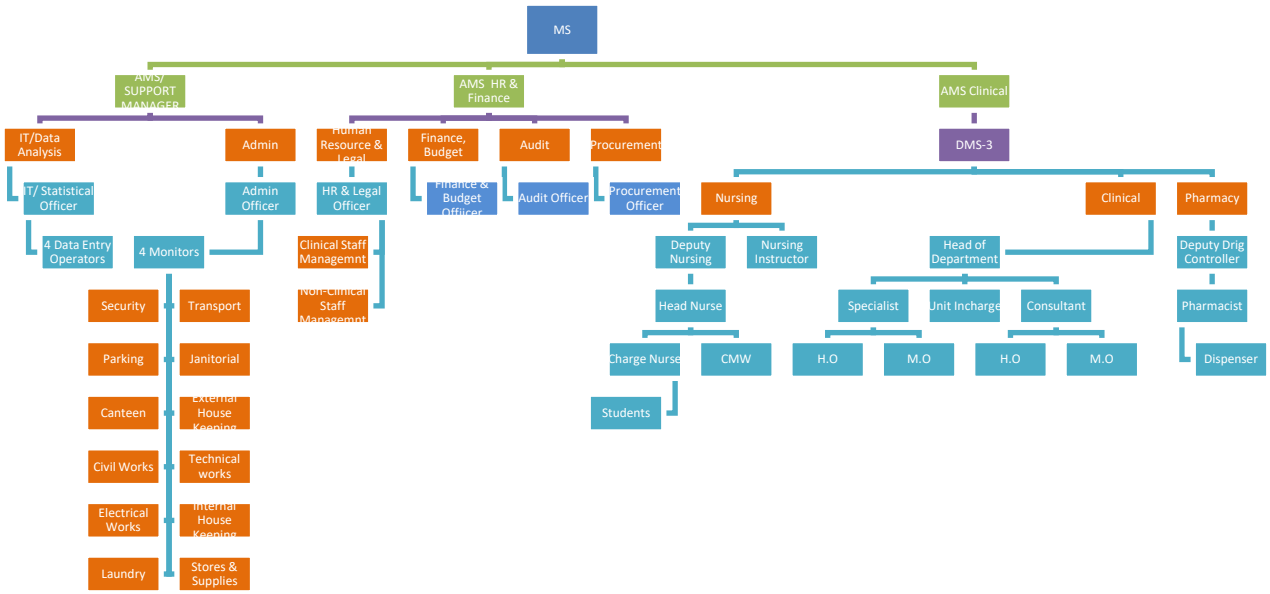
1. M.Sc. Supply Chain Management/ MBA or Equivalent.
2. One year experience in Supply Chain, logistics, fleet, warehousing and inventory management, clearing and forwarding.

5.8.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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



Financial Implications of New Management Model

Name of Post	No. of 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 <u>O.P.D:</u>

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

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

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

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

5.10.4 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, 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 Vehari is more than 4.212 million. The area of the DHQ Hospital Vehari is 1244779 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. 197.408 million to Rs. 133.359 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	**60th PDWP Meeting**		
	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000
Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000

Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

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

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

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

given below

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

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

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

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

6. 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 Vehari is more than 4.212 million. The area of the DHQ Hospital Vehari is 1244779 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. 197.408 million to Rs. 133.359 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	**60th PDWP Meeting**		
	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package

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

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

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

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

given below

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

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

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

6.2 SECTORAL SPECIFIC INFORMATION

social sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO21010546
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:LO22010092
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	Vehari					
Scope of work	**Orignal**			**1st Revised**		
	Capital	**Revenue**	**Total**	**Capital**	**Revenue**	**Total**
Capital component						
Internal Development	125.884	0.000	125.884	113.094	0.000	113.094
External Development	71.524	0.000	71.524	28.498	0.000	28.498
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	**197.408**	**0.000**	**197.408**	**141.592**	**0.000**	**141.592**
Revenue component						
Human resource (HR) plan	0.000	43.431	25.440	0.000	52.130	52.130
Electricity	0.000	2.12	2.120	0.000	2.12	2.120
Total Revenue component	**0.000**	**45.551**	**27.560**	**0.000**	**54.250**	**54.250**
Total	**197.408**	**45.551**	**224.968**	**141.592**	**54.250**	**195.842**
Grand Total	**197.408**	**45.551**	**224.968**	**141.592**	**54.250**	**195.842**

Human Resource Model of DHQ Hospital

	Original				1st Revised				
NAME OF POST	**No. of Emplyees**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**
ADMIN OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
HUMAN RESOURCE/LEGAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
IT/STATISTICAL OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
FINANCE & BUDGET OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
AUDIT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
PROCUREMENT OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
DATA ENTRY OPERAOTOR (DEO)	4	35,000	140,000	3,360,000	4	3	44,000	176,000	5,456,000
QUALITY ASSURANCE OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
BIO MEDICAL ENGINEER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
LOGISTICS OFFICER	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
ASSISTANT ADMIN OFFICER	4	50,000	200,000	4,800,000	4	5	70,000	280,000	8,680,000
Sub Total of HR Model	**17**		**1,060,000**	**25,440,000**			**1,059,000**	**1,401,000**	**43,431,000**
				25.440					**43.431**
Utilization of HR Component				**8.699**					
									52.130

Electricity

Sr. No	Item Description	Qty	Unit Cost	Total Cost
1	Transformer(630 KVA)	1	1,475,000	1,475,000
2	Transformer(200 KVA)	1	645,000	645,000
				2,120,000.000

2.12

GOVERNMENT OF THE PUNJAB

BUILDINGS DIVISION
VEHARI

REVISED ROUGH COST ESTIMATE FOR THE WORK " BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARIADP#660 FY 2022-23.

ESTIMATED COST: Rs: ~~235.1166M~~ = ~~230.1E7~~ (M)
~~133.359~~
141.592

BUILDINGS SUB DIVISION
VEHARI

From

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

F. R.
E.V.C / D
Sec. Supdt.
17/9/2022

To

The Superintending Engineer,
Buildings Circle, Multan.

Memo No.79-Dev/2020/ 1908 /Dev, Dated 9 .09.2022.

Subject: REVISED ROUGH COST ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB AT DHQ HOSPITAL VEHARI" ADP NO.660 FOR THE YEAR 2022-23.

Reference: - Your letter No.2230/DB, dated 01.09.2022.

The revised rough cost estimate for the scheme cited as subject received vide your office letter under reference is returned herewith with the following observations:-

i. Letter of scope of work by the Client Department is required with the estimate.
ii. Minutes of meeting are not signed by the concerned department. Signed copy be provided with the estimate.
iii. Layout plan/working drawings are not approved by the Client Department. The same be provided with the estimate.
iv. The estimate is required to be prepared on prescribed proforma for perpetration of rough cost estimate as circulated by the P&D Department.
v. The estimate be framed as per specifications finalized by the Chief Architect, Punjab, Lahore vide letter No.CA/1332-44, dated 30.06.2022 and compliance to this effect be elaborated in the History.
vi. External development should be marked on layout plan (sewerage system, street lights, water supply and Tuff paver walk way).

D.A/As above

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

Endst: No. 2287 /DB Dated: 19/09/2022

A copy of letter with ol. No A. Rough cost estimate is returned herewith above observations to Executive Engineer, Buildings Division Vehari for raising of observation from Chief Engineer, Punjab Buildings Department South Zone Lahore.

CIRCLE HEAD DRAFTSMAN
BUILDINGS CIRCLE MULTAN

Check List Of Rough Cost Estimate For Vetting

Sr. No	Description	Status of information/documents	Remarks
1	ADP No. 660 F.Y 2022-23	Balace Work DHQ	
2	Allocation Block	Hospital Vehari	
	Certificate that the following information/documents have been provided/attached with the estimate.		
3	**Lay-out plan.**		
	a. Prepared by Architecture Department.	Yes	
	b. Approved by the client Department.	Yes	
4	**Detailed working drawings.**		
	a. As per reference of approved lay-out plan.	Yes	
	b. Approved by the client Department.	—	
5	Soil Investigation Report by BRS.	Not Required	
6	Structural design by the Director (P&D).	Nill	
7	Analysis of non-standardized item rates dully signed by the SE.	Yes	
8	X-Section of foundation showing NSL, RL & PL	Not Required	
9	**Extra provisions.**		
	a. Strip foundation	Nill	
	b. Frame structure	Nill	
	c. Raft foundation	Nill	
	d. Deep foundation	Nill	
10	MRS for Bi-annual	2nd. Bi Anual 2022	

Sub Engineer

Sub Divisional Officer

Executive Engineer

AMENDED

~~REVISED~~ ROUGH COST ESTIMATE FOR THE WORK " BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARI ADP#660 FY 2022-23.

(5)

HISTORY:

The Government of Punjab is making efforts to provide better health facilities to the people of the province. The Govt. is emphasizing to improve the existing facilities along with the development of new infrastructure. The Govt. of Punjab is showing keen interest towards the development of health facilities in all Hospitals of Punjab. The existing building of Hospital at District Vehari has been running since many years and it is not sufficient to meet with the requirements of Patients.

letter scope 27/9/22

The said scheme already approved by the Sectary (P&SH) health department amounting to Rs 197.408 (M) dated 9-11-2021. But due government policy scheme canceled and not proceed further. Now The M.S DHQ Hospital District Vehari has desired Revised Rough Cost Estimate, and also a joint visit held by the PMU Representative and Sub divisional officer building along with Hospital Staff on 05 Aug 2022 for finalizing the scope of work. And scope of work received on 16-08-2022.

This estimate has been framed as per specification finalized by the Chief Architect Punjab Lahore vide letter No.CA/1332-44, dated 30.06.2022 ✓

Keeping in view, the Revised Rough Cost Estimate amounting to **Rs: ~~236.111~~ (M)** has been framed on the basis of MRS **2ND Bi-Annual-2022** for arranging the Administrative Approval and funds from the competent authority.

Rs. ~~235.116 (M)~~ ~~133.359~~ 141.592

SCOPE OF WORK:

1. Renovation of OPD BLOCK
2. Renovation of EYE and General OPD
3. Renovation of EYE OT First Floor
4. Renovation of Surgical Unit III First Floor
5. Renovation of Ortho Block
6. Renovation of Old Emergency Block
7. Renovation of Children Complex
8. Renovation of Chest ward
9. Provision of HT. LT Panels & Including Power Wiring
10. Renovation of Cardiology Out Door and Cardiac Ward
11. External Development

RATES: MRS 2ND Bi-Annual Period (1st July 2022 to 31 Dec 2022),

COST: **Rs: ~~235.116~~ ~~236.111~~ (M)** 133.359

SPECIFICATION: **Punjab Buildings Department**

TIME: **18-Months Subject to Full Funds**

Sub-Divisional Officer
Buildings Sub-Division
Vehari

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Revenue Component *Grant No. PC-22036 (036) Development -07Health -073 – Hospital Seravices-0731-General Hospital Services-073101 General Hospital Services.*

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

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

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

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

OFFICE OF THE
MEDICAL SUPERINTENDENT
DHQ HOSPITAL VEHARI
Ph. No. 067-9201118
Fax No. 067-9201119
Email: msdhq.vehari@gmail.com

No. 10396 /DHQ
Dated 27-9-22 /2022

The XEN Buildings,
Department Vehari.

ubject: SCOPE OF WORK FOR BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB

Please refer to this the subject cited above.

It is hereby stated that balance work of revamping being carried out by IU through C&W Vehari is being carried out at DHQ Hospital Vehari. The scope work is as given below.

1. Renovation of OPD BLOCK
2. Renovation of EYE and General OPD
3. Renovation of EYE OT First Floor
4. Renovation of Surgical Unit III First Floor
5. Renovation of Ortho Block
6. Renovation of Old Emergency Block
7. Renovation of Children Complex
8. Renovation of Chest Ward
9. Provision of HT. LT Panels & Including Power Wiring
10. Renovation Of Cardiology Out Door and Cardiac Ward
11. External Development (Water pipeline, Sewerage & Roads)

The matter may please be treated on priority.

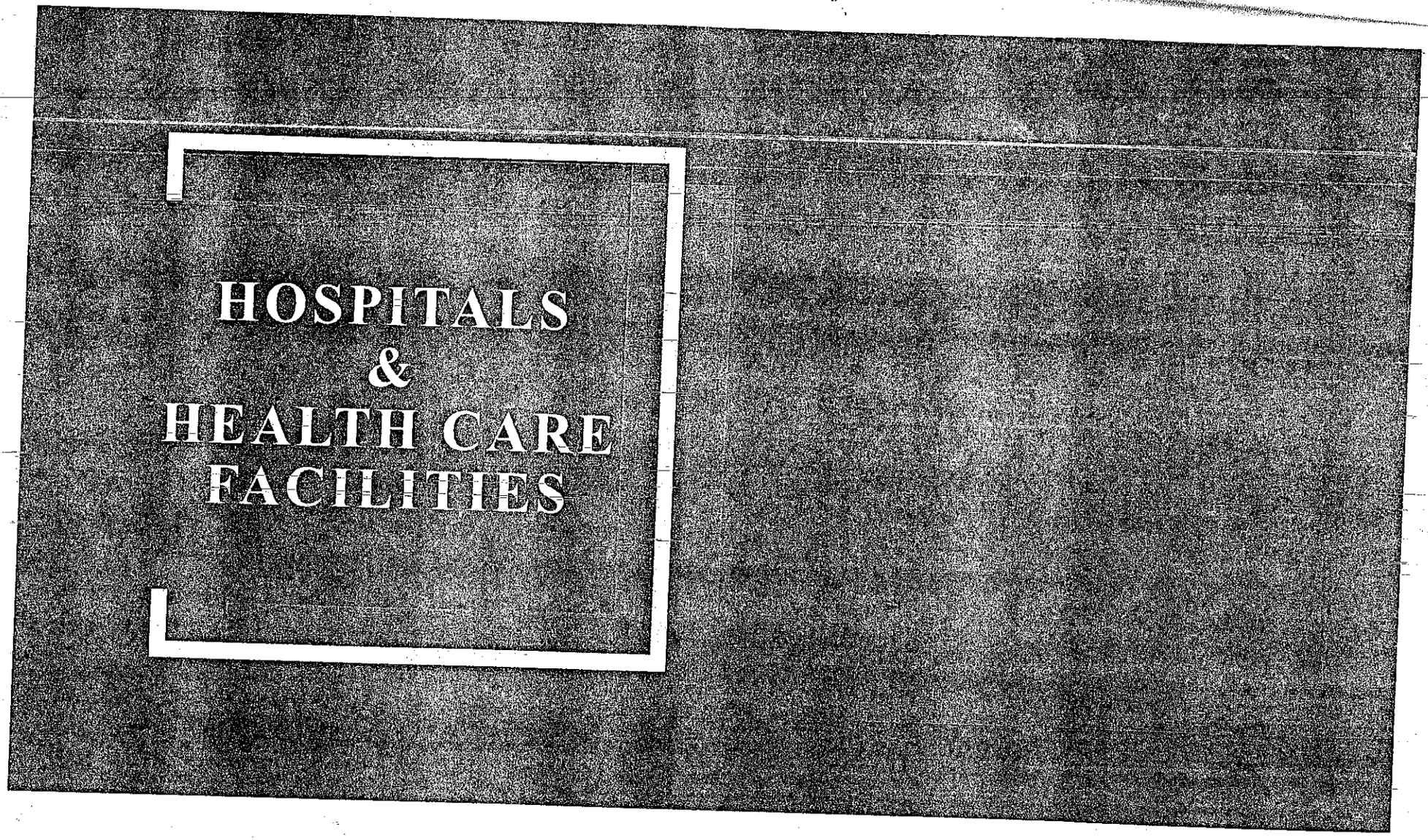
Medical Superintendent,
DHQ Hospital, Vehari

th No. and Date Even:-

py forwarded to: -

1. The worthy Deputy Commissioner, Vehari
2. The CEO,DHA, Vehari
3. The SDO Buildings Vehari.
4. The Admin Officer, DHQ Hospital, Vehari
5. Office Copy

Medical Superintendent,
DHQ Hospital, Vehari


HOSPITALS
&
HEALTH CARE
FACILITIES

Primary & Secondary Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 07-11-2021

ORDER

No. PO(D-II)Revamping/P-I/21: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 29.09.2021, the Governor of the Punjab is pleased to accord Administrative Approval of 12 sub-schemes under block scheme titled "Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab" at cost mentioned against each scheme, with gestation period from 01.07.2021 to 30.06.2023:

Rs. in Millions

Sr. No.	Sub Scheme Title	Approved Cost		
		Capital Component	Revenue Component	Total
1	Balance work of Revamping of DHQ Hospital Bhakkar	49.823	25.440	75.263
2	Balance work of Revamping of DHQ Hospital Layyah	43.557	25.440	68.997
3	Balance work of Revamping of DHQ Hospital Rajanpur	49.999	25.440	75.439
4	Balance work of Revamping of DHQ Hospital Mianwali	0.000	25.440	25.440
5	Balance work of Revamping of DHQ Hospital Khushab	40.912	25.440	66.352
6	Balance work of Revamping of THQ Hospital Chishtian, District Bahawalnagar	30.326	17.520	47.846
7	Balance work of Revamping of THQ Hospital Shujabad, District Multan	136.550	17.520	154.070
8	Balance work of Revamping of THQ Hospital Mian Channu	42.160	21.540	63.700
9	Balance work of Revamping of DHQ Hospital Vehari	197.408	27.560	224.968
10	Balance work of Revamping of DHQ Hospital Lodhran	72.453	25.440	97.893
11	Balance work of Revamping of THQ Hospital Burewala, District Vehari	90.722	17.520	108.242
12	Balance work of Revamping of DHQ Hospital Muzafargarh	143.775	25.440	169.215

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

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

HOSPITALS AND HEALTH CARE FACILITIES

FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS	EXTERIOR FINISH
LOBBIES/ RECEPTIONS/ WAITING AREAS/ VERANDAHS & CORRIDORS (PUBLIC)	• ¾" Th. Natural Granite • ¾" Th. Natural Marble • Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. • Terrazo tiles 2" th 24"x24" or 18" x18"/ 1" th 12"x12" • Epoxy Floor	• 4" high skirting in matching material. • Dado in matching plastic emulsion paint upto 4'-0"or other appropriate height decided by the architect. • Coving at the bottom of the dado & Wooden / POP/PVC/marble moulding at the top of dado.	• Matt enamel paint • Acrylic based plastic emulsion paint • Vinyl emulsion paint • Marble/Tiles cladding on specified walls/wall areas	• Plastic emulsion paint • Matt enamel	• Plaster of Paris (POP) false ceiling • Powder coated Al. panel False ceiling • 2'x2' Gypsum board false ceiling on Al. Frame. • MDF false ceiling on solid wood frame.	• Semi-Glazed Solid Wood Paneled Door with S.S. Bar at Stretcher's height • Anodized Al semi glazed door/door window with 5 mm th glass. • 12mm th tempered glass sensor doors with air curtain. • Door handles/locks & latches – size 8" to 15" of good quality alloy/brass	• Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel. • UPVC glazed/double glazed sliding/open able windows with wire gauze panel. • Solid wood glazed open able windows with open able wire gauze panels.	• UPVC/wooden/ S.S hand rail at stretcher's height as per design.	• Fair face brick. • Clad brick (Cuttra) • Fair face concrete • Washed terrazzo • Aluminum cladding panels • Wall coatings •Acrylic coating •Weather shield exterior paint • Natural stone cladding • Sand stone • Slate stone • Granite • Marble • Travertine • Tiles cladding • External-Decks/ pathways / Driveways may be finished in concrete pavers/marble/terra zzo/terrazzo tiles/brick/conglome rate or their combination.. • Roof may be finished in 12" x 12" x 1" Thick Terrazzo Tiles/Mud brick/Marble.
EXECUTIVE LOBBY/ WAITING/ CORRIDORS	• ¾" Th. Natural Granite • ¾" Th. Natural Marble • Matt Porcelain tiles (full-body) (24"x24" / 24"x48" or as deemed appropriate by the architect.	-do-	• Matt enamel paint • Acrylic based plastic emulsion paint • Marble/Tiles cladding on specified walls/wall areas • Decorative Wooden / POP/PVC moulding on walls. • HDF/MDF/FCB wall cladding	-do-	• Plaster of Paris (POP) false ceiling • Powder coated Al. panel False ceiling • 2'x2' Gypsum board false ceiling on Al. Frame. • MDF false ceiling on solid wood frame.	• Solid wood paneled door. • Solid wood glazed French door. • Solid core flush doors with 5 mm Thick ply pressed over 3 mm thick ply. • Solid wood Engineered door. • Anodized Al glazed door. • Tempered glass (12 mm th) frame less open able door with floor mounted hydraulic machine and pivot. • Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-		

HOSPITALS AND HEALTH CARE FACILITIES
FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS	EXTERIOR FINISH
SEMI STERILE AREA/CLEAN CORRIDORS & LOBBIES	• ¾" Th. Natural Granite • Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. • Epoxy flooring	• 4" high in matching material. • Dado in matching material up to 4'-0"or other appropriate height decided by the architect. • Coving at the bottom of the dado & Wooden / POP/PVC/marble moulding at the top of dado.	• Antimicrobial Paint	• Antimicrobial Paint	NIL	• Solid core flush door with SS plate up to stretcher/bed height or 3'-6". • Anodized/powder coated Aluminum semi glazed Door with S.S bar/Plate at Stretchers Height. • Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	• Optional fixed window if necessarily required in Anodized aluminum /uPVC as per architect specification	• UPVC/wooden/S.S hand rail at stretcher's height as per design.	
STAIRCASE & ENT STEPS/RAMPS	• Stair cases to be finished in 1" thick pre polished granite slab or 1" thick pre polished marble slab with non skid strips/grooves along front edges S.S staircase railing with S.S. pipe handrail as per architect design/ M.S staircase square bar railing with solid wood hand rail above as per architect design. • Ramps to be finished in conglomerate /terrazzo/ marble in non slip pattern as per architect design.								
OPERATION THEATRES/ SURGICAL SUITES/ CATHETERIZ-ATION LAB	• Homogeneous Vinyl Sheet Flooring • Homogeneous sheet rubber • Poured flooring (Epoxy)		• Stainless Steel lining on Internal Wall/ As proposed by concerned Experts (Modular O.Ts) • Antimicrobial Paint	• Antimicrobial Paint	NIL	• Hermetic S.S sensor Doors/As proposed by concerned Experts	NIL		

HOSPITALS AND HEALTH CARE FACILITIES
FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
CONSULTANT ROOMS	▪ ¾" Th. Natural Marble/granite ▪ Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect.	• 4" high in matching material. • Dado in matching material up to 4'-0"or other appropriate height decided by the architect. • Coving at the bottom of the dado & Wooden / POP/PVC/marble moulding at the top of dado.	▪ Plastic emulsion paint ▪ Matt enamel paint	▪ Plastic emulsion paint ▪ Matt enamel paint	▪ Plaster of Paris (POP) false ceiling ▪ Powder coated Al. panel False ceiling ▪ 2'x2' Gypsum board false ceiling on Al. frame.	• Solid core Wooden Flush Door with. S.S bar/Plate upto Stretcher/ bed height. ▪ Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	• Powder coated/Anodized Al. sliding glazed windows with 5 mm thick glass and wire gauze panel. • Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel. • UPVC glazed/double glazed sliding/open able windows with wire gauze panels. • Solid wood glazed open able windows with open able wire gauze panels.	
MO & STAFF ROOMS	▪ Matt Porcelain tiles (full body) 24"x24" / 24"x48" or as deemed appropriate by the architect. ▪ Terrazzo tiles 2" th 24"x24" or 18" x18"/ 1" th 12"x12"	-do-	-do-	-do-	▪ Plaster of Paris (POP) false ceiling ▪ 2'x2' Gypsum board false ceiling on Al. frame.	▪ Solid core semi glazed flush doors with. S.S Bar/Plate upto Stretcher/bed Height. ▪ Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	
NURSING UNITS /WARDS	▪ ¾" Th. Natural Marble ▪ Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. ▪ Terrazzo tiles 2" th 24"x24" or 18" x18"/ 1" th 12"x12"	-do-	-do-	-do-	Powder coated Al. panel False ceiling	-do-	-do-	

HOSPITALS AND HEALTH CARE FACILITIES

FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
ICU/CCU	• Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. • Epoxy flooring.	• 4" high in matching material. • Dado in matching material up to 4'-0"or other appropriate height decided by the architect. • Coving at the bottom of the dado & Wooden / POP/PVC/marble moulding at the top of dado.	• Plastic emulsion paint • Matt Enamel paint. • Antimicrobial Paint	• Plastic emulsion paint • Matt Enamel paint. • Antimicrobial Paint	NIL	• Anodized Aluminum semi glazed Door with S.S Plate up to Stretchers'/bed Height • Semi Glazed Solid core Wooden flush Door with. S.S Plate at Stretchers'/bed Height. • Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	• Powder coated/Anodized Al. sliding glazed windows with 5 mm thick glass and wire gauze panel. • Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel. • UPVC glazed/double glazed sliding/open able windows with wire gauze panels. • Solid wood glazed open able/fixed windows with open able wire gauze panels.	
CSSD	• ¼" Th. Natural Marble • Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. • Epoxy flooring.	• 4" high in matching material. • Dado in matching material up to 4'-0"or other appropriate height decided by the architect.	do-	do-	NIL	• Semi Glazed Solid core Wooden flush Door with. S.S Plate up to 3'-6" • Anodized Al semi glazed door. • Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	NIL	
RADIOLOGY FLOUROSCOPY X-RAY C.T SCAN MAMOGRAPHY	• Epoxy/chemical flooring. • Antistatic Floor / As proposed by concerned Experts	• Solvent coating on dado	• X-Ray shield chemical coating. • Lead lining inside wall	• X-Ray shield chemical coating. • Lead lining inside slab	NIL	• X-Ray Shield Door.	NIL	
LINEAR ACCELERATOR	• Antistatic Flooring	• Dado in matching material up to 4'-0"or other appropriate height decided by the architect.	• Lead lining inside 4 feet thick wall	• X-Ray shield chemical coating. • Lead lining inside slab	NIL	• Linear accelerator Shield Door.	NIL	

HOSPITALS AND HEALTH CARE FACILITIES
FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
EXECUTIVE WASHROOMS	▪ Matt porcelain tiles (any appropriate size) ▪ Matt ceramic tiles (any appropriate size)	▪ Glazed tiles up to ceiling height	NIL	▪ Matt enamel paint	▪ Plaster of Paris (POP) false ceiling at 9'-0" height	▪ Solid wood panelled door with SS kick plate 4" high. ▪ Wood plastic composite door ▪ uPVC doors ▪ Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	▪ Powder coated/Anodized Al. sliding glazed windows with 5 mm thick glass and wire gauze panel. ▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel. ▪ UPVC glazed/double glazed sliding/open able windows with wire gauze panels. ▪ Solid wood glazed open able windows with open able wire gauze panels.	▪ Under counter vanities/ Pre-fab PVC vanities to be given ▪ Height of all counters / vanities in wash rooms / lavatories to be kept 2'-9" from F.F. Level. ▪ Finished floors of all lavatories / bath rooms to be kept 3/4" lower from remaining floor level. ▪ 12" dia exhaust fans to be provided 12" below the ceiling level.(Soffit of the slab) ▪ Best quality fixtures, faucets, looking mirror and bath room accessories are to be used (Porta or equivalent) ▪ Best quality local bathroom fittings (Master or equivalent) to be provided.
GENERAL WASHROOMS	-do-	▪ Glazed tiles up to ceiling height	NIL	-do-	NIL	-do-	-do-	-do-
KITCHEN/ PANTRY	▪ Porcelain tiles (full body) 24"x24" or as deemed appropriate by the architect.	▪ Glazed porcelain tiles between Counter top and cabinet	▪ Matt enamel paint ▪ plastic emulsion paint	▪ Plastic emulsion paint ▪ Matt Enamel paint	NIL	▪ Solid wood Engineered semi-glazed door. ▪ Wood plastic composite semi-glazed door. ▪ Solid wood panelled semi glazed door. ▪ Solid core flush semi-glazed door ▪ Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	▪ Corian/ marble/granite tops to be given ▪ Cabinets with RCC structure and tile cladding inside and MDF lamination/PVC foam Board panels to be given in kitchen. ▪ Finished floor of kitchen / pantries to be kept 3/4" lower from remaining floor level. ▪ Heavy duty 12" dia Exhaust fans to be provided ▪ Main hospital kitchen to be designed as S.S kitchen and to be designed by kitchen consultant.
EMERGENCY STAIRCASE	M.S. stair case as per design/ R.C.C. staircase with M.S railing. Fire rated steel door. Steps in matt finish (no glossy surface)							

BUILDING FINISHING MATERIALS AND SPECIFICATIONS

(FOR HEALTH CARE FACILITIES)

PUNJAB ARCHITECTURE DEPARTMENT

JULY 2022

PRIMARY AND SECONDARY HEALTH CARE FACILITIES

PRIMARY AND SECONDARY HEALTH CARE FACILITIES
FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
LOBBIES/ RECEPTIONS /WAITING AREAS/ VERANDAHS & CORRIDORS (PUBLIC)	▪ ¾" Th. Natural Granite (Main Lobbies) ▪ Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect. (All other areas)	▪ Dado in matching material up to 4'-0"or other appropriate height decided by the architect. ▪ PVC/Marble coving at the bottom of the dado & PVC/marble moulding at the top of dado.	▪ Matt enamel paint	▪ Matt enamel paint	▪ 2'x2' Gypsum board false ceiling on Al. frame.	▪ 2"th S.S Semi-glazed Door Window. Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	▪ Granite top to be provided ▪ Cabinets with RCC structure and Porcelain tile cladding inside and PVC foam Board shutters.
EXECUTIVE LOBBY/ WAITING/ CORRIDORS	▪ ¾" Th. Natural Granite	-do-	-do-	-Nil-	▪ Powder coated Al. panel False ceiling	1½" th Solid Wood Semi Glazed flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	-do-
SEMI STERILE AREA/CLEAN CORRIDORS & LOBBIES	▪ Matt Porcelain tiles (full body) (24"x24" / 24"x48" or as deemed appropriate by the architect.	-do-	▪ Antimicrobial Paint	-Nil-	-do-	-do-	▪ Optional fixed double glazed window if necessarily required in Anodized aluminum as per architect specification	-do-
EXAMINATION ROOM/ ULTRA SOUND/ ECG ROOM/ PLASTER ROOM/ DRESSING ROOM/ RESUSCITATION ROOM	▪ Matt Porcelain tiles (full body) 24"x24" or as deemed appropriate by the architect.	-do-	-do-	▪ Antimicrobial Paint	-Nil-	-do-	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	
STAIRCASE & ENT STEPS/RAMPS	▪ Stair cases to be finished in ¾"thick pre polished granite slab with non skid strips/grooves along front edges S.S staircase railing with S.S. pipe handrail as per architect design/ M.S staircase square bar railing with solid wood hand rail above as per architect design. ▪ Ramps to be finished 6" wide marble strips in non slip pattern as per architect design ▪ 4'-0" dado/Matt Enamel paint above							

PRIMARY AND SECONDARY HEALTH CARE FACILITIES

FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
OPERATION THEATRES/ PROCEDURE ROOM	▪ Poured flooring (Epoxy) Coving on edge	-Nil-	▪ Antimicrobial Paint	▪ Antimicrobial Paint	-Nil-	▪ Hermetic S.S sensor Doors/As proposed by concerned Experts	-Nil-	-Nil-
CONSULTANT ROOMS	▪ Matt Porcelain tiles (full body) 24"x24" / 24"x48" or as deemed appropriate by the architect.	▪ Dado in matching material up to 4'-0"or other appropriate height as decided by the architect. PVC/Marble coving at the bottom of the dado & PVC/ marble moulding at the top of dado.	▪ Matt enamel paint	-Nil-	▪ Powder coated Al. panel False ceiling	▪ 1½" th Solid Wood flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	▪ ¾" th. PVC Foam Board boxing and UV openable shutters. (For Almirah)
MO & STAFF ROOMS	▪ Terrazzo tiles 2" th 24"x24" or 18" x18"/ 1" th 12"x12"	-do-	-do-	▪ Plastic Emulsion Paint	▪ Plaster of Paris (POP) false ceiling	▪ 1½" th Solid Wood Semi Glazed flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	-do-
NURSING UNITS /WARDS	▪ Terrazzo tiles 2" th 24"x24"	-do-	-do-	-Nil-	▪ Powder coated Al. panel False ceiling	-do-	-do-	▪ Anodized aluminium cabinets with openable glazed shutters having 5mm th. Clear glass (Translucent film applied where required)
LABOUR ROOM/ DELIVERY ROOM	▪ Poured flooring (Epoxy) Coving on edge	-Nil-	▪ Antimicrobial Paint	▪ Antimicrobial Paint	-Nil-	▪ Hermetic S.S sensor Doors/As proposed by concerned Experts ▪ 1½" th Solid Wood flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate. Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	-Nil-

PRIMARY AND SECONDARY HEALTH CARE FACILITIES

FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
ICU/CCU/ PRE AND POST OPERATIVE WARD	▪ Matt Porcelain tiles (full body) 24"x24" / 24"x48" or as deemed appropriate by the architect.	▪ Dado in matching material up to 4'-0"or other appropriate height decided by the architect. ▪ PVC/Marble coving at the bottom of the dado & PVC/marble moulding at the top of dado.	▪ Antimicrobial Paint	▪ Antimicrobial Paint	-Nil-	▪ 1½" th Solid Wood Semi Glazed flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	
CSSD	▪ Terrazzo tiles 2" th 24"x24"	▪ Dado in matching material up to 4'-0"or other appropriate height decided by the architect.	▪ Matt enamel paint	▪ Matt enamel paint	-Nil-	▪ Anodized Aluminium semi glazed door	-Nil-	
RADIOLOGY FLOUROSCOPY X-RAY C.T SCAN MAMOGRAPHY	▪ Antistatic PVC/Rubber Floor Coving on edge	-Nil-	▪ X-Ray shield chemical coating ▪ Lead lining inside wall as per Radiological Equipment specifications	▪ X-Ray shield chemical coating ▪ Lead lining inside slab as per Radiological Equipment specifications	-Nil-	▪ X-Ray Shield Door as per Radiological Equipment specifications	-Nil-	
PATHOLOGY LABS/ BLOOD BANK	▪ Matt Porcelain tiles (full body) 24"x24" / 24"x48" or as deemed appropriate by the architect.	▪ Dado in matching material up to 4'-0"or other appropriate height decided by the architect. ▪ PVC/Marble coving at the bottom of the dado & PVC/marble moulding at the top of dado.	▪ Antimicrobial Paint	▪ Antimicrobial Paint	-Nil-	▪ 1½" th Solid Wood Semi Glazed flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" of good quality alloy/brass.	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	▪ Height of all counters in Labs to be kept at 3'-0"from F.F. Level. ▪ All counter tops to be finished in natural granite/ brushed S.S sheets ▪ Cabinets with RCC structure and tile cladding inside ▪ UV sheet Cabinet shutters to be provided.

PRIMARY AND SECONDARY HEALTH CARE FACILITIES

FINISHING MATERIAL SPECIFICATIONS

BUILDING COMPONENT	FLOORS	SKIRTING & DADO	WALLS	CEILING	FALSE CEILING	DOORS	WINDOWS	MISCELLANEOUS
LAUNDRY	▪ Terrazzo tiles 2" th 24"x24"	▪ Dado in matching material up to 4'-0" or other appropriate height as decided by the architect.	▪ Matt enamel paint	▪ Matt Enamel paint	-Nil-	▪ Anodized Aluminium semi glazed door	▪ Anodized Al. sliding double glazed windows with tempered glass (filled with Argon gas) with wire gauze panel and MS safety Grill.	
GENERAL STORES/ MEDICINE STORES/ RECORD ROOM	▪ Terrazzo tiles 2" th 24"x24" or 18" x18"/ 1" th 12"x12"	-do-	-do-	-do-	-Nil-	▪ 1½" th Solid Wood Semi Glazed flush Door with 6"matt S.S kick plate Door handles/locks & latches – size 8" of good quality alloy/brass.	-do-	
EXECUTIVE WASHROOMS	▪ Matt Porcelain tiles (any appropriate size)	▪ Glazed tiles up to false ceiling height	-Nil-	▪ Matt Enamel paint	▪ Plaster of Paris (POP) false ceiling at 9'-0" height	▪ Wood plastic composite door with 8" high S.S Kick plate	-do-	▪ Under counter vanities to be provided. ▪ Height of all counters / vanities in wash rooms / lavatories to be kept 2'-9" from F.F. Level. ▪ Finished floors of all lavatories / bath rooms to be kept 3/4" lower from remaining floor level. ▪ 12" dia exhaust fans to be provided 12" below the ceiling level.(Soffit of the slab)
GENERAL WASHROOMS	-do-	-do-	-Nil-	-do-	-Nil-	-do-	-do-	-do-
KITCHEN/ PANTRY	▪ Porcelain tiles (full body) 24"x24" or as deemed appropriate by the architect.	▪ Glazed porcelain tiles between Counter top and hanging cabinet or upto 7'-0" height	▪ Matt enamel paint	-do-	-Nil-	▪ 1½" th Solid Wood Semi Glazed flush Door with raised matt S.S hand rail at stretcher height , 6"matt S.S kick plate Door handles/locks & latches – size 8" to 15" of good quality alloy/brass.	-do-	▪ Granite tops to be given ▪ Cabinets with RCC structure and tile cladding inside and PVC foam Board panels to be given in kitchen. ▪ Finished floor of kitchen / pantries to be kept 3/4" lower from remaining floor level. ▪ Heavy duty 12" dia Exhaust fans to be provide
EMERGENCY STAIRCASE	M.S. stair case as per design/ R.C.C. staircase with M.S railing. Fire rated steel door. Steps in matt finish (no glossy surface)							

MINUTES OF MEETING
Communication & Works Department

Meeting Title/Project: Kick-off Meeting DHQ Vehari with PMU Team

Date: 05/08/2022 Time: 10:00

Location: DHQ Hospital Vehari

ATTENDEES

NAME	Designation
Mr. Hamza Naseem	Project Manager (Civil), PMU
Mr. Saad Zulfiqar	Consultant (Electrical), PMU
Mr. Musa	Sub-Divisional Officer (building), C&W
Mr.Khaqan	Admin Officer, DHQ Hospital Kasur

MINUTES

Sr. #	AGENDA ITEM	Remarks
1	**Meeting Agenda:** 1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise 4. Priority of work	
2	***1. Introduction:*** Mr. Hamza Naseem, Project Manager Civil, led the kick-off meeting for DHQ Vehari. He introduced his team to C&W and Hospital staff. Mr., Sub Engr. C&W, introduced the teams to PMU Health Department and brief the purpose of Visit. He also informed the Representative of C & W that any civil or electrical work in already revamped areas should not be executed. In case if any such work is required to be done in already revamped area by IDAP, it must be carried out after written approval from PMU.	
3	***2. Generalized Site Decision:*** 2.1 Internal Development (To be Executed in Non-Revamped Areas) **a. Flooring and Skirting/Dado** Flooring and dado should be fixed in areas where existing tiles are damaged/ broken. **b. Paint** Paint work should be done in all areas and on all doors (exceptions are mentioned in following points) **c. Windows** All damaged windows should be replaced/repaired **d. Doors** All damaged doors should be replaced/repaired or existing wooden doors should be repainted. **e. UPVC doors** All washrooms (used for patient/attendants) should be replaced with UPVC doors.	

f. **Seepage Mitigation**
All the areas facing seepage issues need to be assessed to locate the seepage source and necessary action may be taken accordingly.

g. **Water Proofing**
Water Proofing on entire Hospital Clinical building and cleaning all blockages of storm water lines. Water proofing of brick tiles should be proposed to avoid extra load on Hospital Building for its structural stability.

h. **Internal Electrification Works**
All the internal electrical works including internal wiring, cables, switch boards, Power Plugs, SMDBs, DBs, and LEDs/SMDs need to be carried out according to the requirement.

2.2 External Development

a. **Sewerage System**
C&W to assess the existing sewerage system and worked accordingly as per requirement.

b. **Water Supply System**
Assessment of existing water supply system and rectification required to be done as per Hospital Requirement.

c. **Water supply system from Filtration Plant**
Moreover, location for Water points/connection for drinking water in hospital building will be provide by hospital administration to C& W and water supply line will lay accordingly.

d. **Roads**
Existing Road conditions need to be re-assessed prior starting execution.

e. **External Electrification Works**

- External Electrification works may be carried out including external 4 core cables (concealed) at all following points:
  - Transformer to meter and Main Panel Boards
  - Main Panel Boards to Sub Main Distribution Panels.
  - For External Lights (If required).
- Main Distribution Panels, L.T Panels, Synchronizing / Load Sharing Control Panel, Automatic Power Factor Improvement Panel, Feeder Pillar Panel Board (If required) as per electrical load of Hospital.
- Minor renovation of Electrical Control Room for installation of Main Distribution Panels and connection of Electrical Supply to Hospital.

Complete Earthing System and Lightening Protection System for the Hospital to be provided as per standards

3. *Specified Instructions Area-wise*

The following general decision were taken for DHQ Vehari

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3.1 Internal Development

a. **OPD Block**

- At Entrance door needs to be replaced with Aluminum door half solid and half glazed glass (Door connecting with chest corridor).

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- In back corridor of OPD all floor tiles and skirting tiles up to height of 6"full body porcelain needs to be fixed.
- All existing front windows at façade needs to be replaced with Aluminum windows.
- Weather shield to be done at Façade.
- All Wall/dado tiles in entrance lobby to be replaced with new full body porcelain tiles.
- Two doors at reception in inner lobby of OPD needs to be replaced with Aluminum doors.
- All cemented benches in corridor and reception of OPD needs to be dismantled.
- Inside rooms floor tiles to be retained and paint to be done inside rooms.
- In main corridor/side corridor of OPD all floor and wall/dado tiles (Existing Glazed tiles) up to height of 6 ft. full body porcelain needs to be fixed.
- In OPD inside rooms where terrazzo flooring exists at present all floor tiles with 6" skirting full body porcelain needs to be fixed.
- All other inner doors of rooms in OPD block needs to be repainted and damaged doors need to be replaced with new solid wooden doors.
- Marble to be fixed on stairs in OPD block with paint on existing railing.
- Two Aluminum doors to be fixed on left end corner of inner lobby of OPD.
- On left end of Inner corridor of OPD wall/dado skirting needs to be done.
- At First floor, in reception area of Surgical OPD II all floor tiles and wall/dado tiles full body porcelain in lobby up to height of 6ft. needs to be fixed.
- All cemented benches at First Floor lobby and reception needs to be dismantled.
- Floor tiles and wall/dado tiles full body porcelain needs to be changed at first floor outer corridor of Surgical Unit OPD.
- All Internal MS windows at First floor needs to be replaced with Aluminum windows.
- In OPD Pharmacy in corridor where concrete cover is removed needs to be treated chemically.

b. <u>Eye and General OPD</u>

- Entrance door of block needs to be replaced with Aluminum door half solid and half glazed glass.
- Anti-skid tiles to be fixed on ramp.
- All floor and wall/dado tiles up to height of 6ft. full body porcelain needs to be fixed in corridor of Eye OPD only.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.
- All cemented benches to be dismantled.
- 5 x Public/Attendant washrooms as indicated during visit needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall/dado up to minimum

height of 7 ft. and replacing all existing fixtures with new fixtures and replacing all damaged water supply and sewerage pipes if required. Replacing all doors inside washroom and Entrance door with UPVC doors and replacing all existing MS ventilators with Aluminum. Along with fixing 24" Exhausts two or three in each washroom block or as per requirement.

- All floor and wall/dado tiles inside offices need to be retained in Eye Block.
- 2 x Doors indicated during site visit needs to be replaced with Aluminum doors half solid and half glazed glass doors.
- Railing on ramp needs to be painted.
- All Floor tiles to be retained.
- Wire mesh needs to be changed on MS windows with repaint on MS angles.
- Wall/Dado tiles to be changed in the corridor.

c. <u>Eye OT First Floor</u>

- At left end of Eye OT Aluminum door half solid and half glazed glass needs to be fixed.
- Entrance door of Eye OT and Recovery ward needs to be replaced with wooden door double hinged door with half SS plate fixed on it.
- Antimicrobial flooring, Antimicrobial wall paneling and non-porous ceiling needs to be done inside Eye OT.
- All floor and wall/dado tiles up to height of 6 ft. inside corridor and wards full body porcelain needs to be fixed.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.

d. <u>Surgical Unit III First Floor</u>

- In surgical unit ward corridor all floor and wall/dado tiles full body porcelain up to height of 6ft. needs to be fixed.
- Existing internal MS windows in corridor and inside wards all needs to be replaced with Aluminum windows.
- Surgical ward III all floor and wall/dado tiles full body porcelain up to height of 6ft. needs to be fixed.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.
- All Public/Attendant washrooms as indicated during visit needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall/dado up to minimum height of 7 ft. and replacing all existing fixtures with new fixtures and replacing all damaged water supply and sewerage pipes if required. Replacing all doors inside washroom and Entrance door with UPVC doors and replacing all existing MS ventilators with Aluminum. Along with fixing 24" Exhausts two or three in each washroom block or as per requirement.
- MS partition to be removed and change it with new Aluminum partition.
- At stairs of surgical ward dado/wall tiles need to be changed.

e. <u>Ortho Block</u>

- Entrance doors in corridor leading to Ortho ward needs to be replaced with Aluminum door half solid and half glazed glass door.
- All floor and wall/dado tiles full body porcelain up to height of 6ft. inside ward and corridor needs to be fixed in Ortho Block where at present Terrazzo floor exists.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.
- All Existing internal MS windows in the corridor and inside wards need to be replaced with Aluminum windows and outer windows to be retained with wire mesh changed on them and repainting the MS angle of windows.
- Partition done inside ortho needs to be replaced with Aluminum partition windows.
- Door in the center of corridor in Ortho Block needs to be shifted at Entrance of ward and Aluminum door half solid and half glazed glass needs to be fixed there.

f. **Old Emergency Block**

- Entrance door of Emergency Block needs to be replaced with Aluminum door half solid and half glazed glass.
- Marble with nosing needs to be fixed on entrance steps and podium.
- Antiskid tiles with SS railing needs to be fixed on ramp at Entrance.
- All floor and wall/dado tiles full body porcelain in entire Old Emergency block needs to be fixed with 6ft. wall/dado tiles in main/side corridors, wards and 6" skirting inside rooms/offices.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.
- Marble needs to be fixed on steps of stairs leading to first floor and railing needs to be retained and repainted only.
- All Existing MS internal windows in Old Emergency Block needs to be replaced with Aluminum windows.
- Ceiling required to be done in reception area and all ceiling in the corridor to be done.
- At back of old emergency block all facade windows to be replaced with Aluminum windows.
- Weather shield to be done at façade of Emergency block.
- All Existing MS angle windows need to be retained and only needs to be repainted with new Mesh to be fixed.
- Corridor connecting Emergency Block with Ortho OPD all floor and skirting tiles up to 6" only full body porcelain tiles need to be fixed.

g. **Children Complex**

- All glazed wall/dado tiles needs to be replaced with full body porcelain tiles and marble on floor needs to be retained and only chemical polishing needs to be done.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.

Hamza

- Door at entrance of children complex needs to be retained.
- At entrance ramp antiskid tiles with SS railing needs to be fixed.
- Screening area to be made with Aluminum Partition at front of nursery to avoid the direct entrance of unwanted persons inside nursery.
- Inside NICU (Nursery) all floor and wall/dado tiles up to height of 6ft. full body porcelain needs to be fixed.
- All cemented benches need to be dismantled.
- Ceiling inside children complex to be dismantled.
- Door of children ward to be made bigger and fixing new Aluminum door half solid and half glazed glass door in its place.
- Marble to be fixed at entrance podium and steps of Children complex.
- Weather shield to be done on external façade of children ward.
- Ramp to be made for shifting oxygen cylinders and Aluminum door half solid and glazed glass door needs to be fixed as discussed during visit.

h. **Cardiology Out Door & Cardiac Ward**

- Marble to be fixed at entrance.
- Aluminum windows to be fixed at entrance.
- On 2 x Ramps of CCU Block Anti-skid tiles with SS railing on both sides need to be fixed.
- Cardiac block all floor and wall/dado tiles need to be retained.
- All internal MS windows to be replaced with Aluminum windows.
- 2 x Entrance doors of CCU block needs to be replaced with Aluminum doors half solid and half glazed glass doors.
- All internal doors are in good condition and needs to be retained and only needs to be repainted.
- All Public/Attendant washrooms as indicated during visit needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall/dado up to minimum height of 7 ft. and replacing all existing fixtures with new fixtures and replacing all damaged water supply and sewerage pipes if required. Replacing all doors inside washroom and Entrance door with UPVC doors and replacing all existing MS ventilators with Aluminum. Along with fixing 24" Exhausts two or three in each washroom block or as per requirement.
- All floor tiles in cardiac ward full body porcelain tiles need to be fixed and all wall/dado tiles need to be retained.
- SS Edge Protection to be fixed on all corners in main/side corridors and inside wards.
- Glazed wall/dado tiles inside library only needs to be replaced with full body porcelain tiles and all floor tiles need to be retained.
- At end of CCU block wall needs to be raised till top and plaster needs to be done followed by paint works.
- Collapsible entrance door of library needs to be removed and floor tiles there needs to be repaired.

i. **Chest Ward**

- Entrance door needs to be replaced with Aluminum door half solid and half glazed door to be fixed.

- Nursing counter to be made as per C&W standards.
- All floor and wall/dado tiles full body porcelain needs to be fixed inside chest ward corridor and wards.
  Note: Wall/dado must be up to height of 6 ft. inside main corridor and wards and only 6" skirting needs to be done inside rooms/offices.
- All Public/Attendant washrooms as indicated during visit needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall/dado up to minimum height of 7 ft. and replacing all existing fixtures with new fixtures and replacing all damaged water supply and sewerage pipes if required. Replacing all doors inside washroom and Entrance door with UPVC doors and replacing all existing MS ventilators with Aluminum. Along with fixing 24" Exhausts two or three in each washroom block or as per requirement.
- 2 x doors opening outward as discussed during visit needs to be closed by doing brick work, plastering and painting.
- 1 x door in center of corridor needs to be replaced with Aluminum door.
- All Existing internal MS windows inside chest ward corridor and wards need to be replaced with Aluminum windows.
- 2 x Doors inside corridor leading to washroom block needs to be replaced with Aluminum doors half solid and half glazed glass door fixed on it.
- All inner partition to be replaced with Aluminum partition.
- Chest ward outer corridor all floor and wall/dado tiles full body porcelain needs to be fixed.

3.2 External Development

a. Water supply line is functional only minor repair maintenance works needed to be executed.
b. Sewerage line of Hospital to be assessed by Building Department and its connection with disposal channel to be rehabilitated/repaired and make it functional.
c. Façade needs to be uplifted as per standards followed by IDAP.

4. Priority of work

5

4.1 Priority 1

3.1a, b, c, d, e, f, g, h, I. 3.2a, b, c.

Project Manager Civil

PMU, P& SHD

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Punjab Buildings Department,
South Zone, Lahore.

To

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

Memo No.276-Dev/2014/ /Dev. Dated .10.2021

Subject: **ROUGH COST ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL DHQ / 15 THQ HOSPITAL IN PUNJAB ONE AT DHQ VEHARI" ADP NO.1013 FOR THE YEAR 2021-22.**

Please find enclosed herewith a copy of rough cost estimate amounting to Rs.197.015(M) duly vetted by the Chief Engineer for necessary Administrative Approval.

The rough cost estimate has been prepared on the basis of rates meant for 2nd Bi-annual. 2021.

DA/As Above.

DIRECTOR(A&W-I)
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

Endst: No. 5013-15 /Dev, Dated 26.10.2021.

A copy is forwarded for information to:-

1. The Superintending Engineer, Buildings Circle, Multan for information with reference to his letter No.1000/DB, dated 30.09.2021.
2. The Executive Engineer, Buildings Division, Vehari.
3. The Chief Draftsman (Local).

DA/Nil.

DIRECTOR(A&W-I)
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

ROUGH COST ESTIMATE FOR THE WORK
"BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARI" (ADP G.S NO. 1013/2021-22)

Plinth Area Rates/MRS 2nd Bi Annual 2021 (1st July 2021 to 31 Dec: 2021)

Sr. No.	Description of Items	Plinth Area		B.P	P.H	E.I	S.Gas	Total	Amount	Remarks
1	2	3		6	9	10	11	12	13	14
1	RENOVATION OF DHQ HOSPITAL MAIN BUILDING									
A	(Ground floor)	--	--	--	--	--	--	--	53707043	Detail Attached
	Additional Items									
B	(First floor)	--	--	--	--	--	--	--	39427647	Detail Attached
	Additional Items									Detail Attached
2	Old Emergency ward	--	--	--	--	--	--	--	9673892	Detail Attached
3	Old ORTHO WARD	--	--	--	--	--	--	--	5616430	Detail Attached
4	Old EYE WARD	--	--	--	--	--	--	--	4673638	Detail Attached

Sr.No.	Description of Items	Plinth Area	B.P	Extra for First Floor	P.H	E.I	S.Gas	Total	Amount	Remarks
1	2	3	6	8	9	10	11	12	13	14
5	Main Building (Childern Ward) Ground Floor	8700 Sft	1306	--	92	89	39	1526	13276200	_do_
								Total	~~125884331~~	
								External Development Charges	~~5846244~~	P-19
								Total	~~184346775~~	
								5% PRA Charges	~~9217339~~	
								1% Horticulture & Land Scaping Charges	~~1843468~~	
								WAPDA & SUI Gas Connection Charges	~~2000000~~	
								Total	~~197407582~~	
								Grand Total	~~197407600~~	
								Say or Rs: in Million	~~197.406~~	

PHYSICALLY VISITED
For Rs. 197.015 (Million)

Chief Engineer, Punjab Buildings Dept., South Zone, Lahore. / Deputy Director, Punjab Buildings Dept., South Zone, Lahore. / Chief Planner, Punjab Buildings Dept., South Zone, Lahore.

Sub Divisional Officer
Buildings Sub Division
Vehari

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Buildings Circle
Multan

) ROUGH COST ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARI"

(ADP G.S NO. 660/2022-23)

COMPARATIVE STATEMENT

Plinth Area Rates/M.R.S (1st Jan 2022 to 30th June 2022).

Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
		Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
2	3	4	5	6	7	8	9	10	11	12
NOVATION OF DHQ HOSPITAL MAIN BUILDING				18657917					18657917	Saving Due to Spliting of scope of work
OUND FLOOR										
ditional Items										
Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light ished Sb Flooring Of Approved Colour And Quality With Border Laid er 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect proved By The Engineer Incharge.	Sft	24406	270	6589620	-----	-----	-----	-----	6589620	do--
Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light lished Sb Dado/Skirting Of Approved Colour And Quality With rder Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All spect Approved By The Engineer Incharge.	Sft	29007	285	8266855	-----	-----	-----	-----	8266855	
oviding and laying Coloured Glazed Ceramic Tiles Flooring size 2"x24"& 13"x26" or equivalent laid in white cement and matching gment over 1/2" thick cement sand mortar (1:2) i/c filling joints in hite cement and matching pigment i/c cutting charges complete in all espect as approved & directed by the Engineer Incharge. (MASTER or quivalent).	Sft	1373	216	296568	-----	-----	-----	-----	296568	do--
roviding and laying Coloured Glazed Ceramic Tiles Dado / Skirting ize 12"x24"& 13"x26" or equivalent laid in white cement and natching pigment over 1/2" thick cement sand mortar (1:2) i/c filling oints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge	Sft	4433	240	1064019	-----	-----	-----	-----	1064019	
Providing and Fixing M.S grill consisting of 1" x 1", 18-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 3/8" x 3/8" M.S square bars 4" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	Sft	4334	470	2036980	-----	-----	-----	-----	2036980	do--
P/F UPVC Door 38-mm thickness i/c matching color UPVC frame matt or glossy finish having colour i/c all accessories and mortic locks complete in all respect	Sft	438	750	328500	-----	-----	-----	-----	328500	
Providing and Fixing Stainless steel non-magnetic railing consisting of main pipe 2" dia 16-SWG imported (China) & 2'-9" height balustrades @ 2' c/c consisting of 1-1/2" to 2" wide and 3/16" thick 2-Nos. stianless steel strips with studs i/c 3/4" dia 16-SWG 3-Nos. stainless steel pipes longitudinally passing in with bottom stainless stee "Tiki" & cover, fixing with rowal bolt (3" to 2-1/2" long) i/c steel polishing etc complete in all repect as approved by the Engineer Incharge.	Rft	188	2740	513750	-----	-----	-----	-----	513750	do--

REVISED ROUGH COST ESTIMATE FOR THE WORK "BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARI"
(ADP G.S NO. 660/2022-23)
COMPARATIVE STATEMENT

Plinth Area Rates/M.R.S (1st Jan 2022 to 30th June 2022).

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
1	**RENOVATION OF DHQ HOSPITAL MAIN BUILDING**										
A	**GROUND FLOOR**				18657917					18657917	Saving Due to Spliting of scope of work
	Additional Items										
i	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Flooring Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	24406	270	6589620	-----	-----	-----	-----	6589620	do--
ii	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Dado/Skirting Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	29007	285	8266855	-----	-----	-----	-----	8266855	
iii	Providing and laying Coloured Glazed Ceramic Tiles Flooring size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge. (MASTER or Equivalent).	Sft	1373	216	296568	-----	-----	-----	-----	296568	do--
iv	Providing and laying Coloured Glazed Ceramic Tiles Dado / Skirting size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge	Sft	4433	240	1064019	-----	-----	-----	-----	1064019	
v	Providing and Fixing M.S grill consisting of 1" x 1", 18-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 3/8" x 3/8" M.S square bars 4" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	Sft	4334	470	2036980	-----	-----	-----	-----	2036980	do--
vi	P/F UPVC Door 38-mm thickness i/c matching color UPVC frame matt or glossy finish having colour i/c all accessories and mortic locks complete in all respect	Sft	438	750	328500	-----	-----	-----	-----	328500	
vii	Providing and Fixing Stainless steel non-magnetic railing consisting of main pipe 2" dia 16-SWG imported (China) & 2'-9" height balustrades @ 2' c/c consisting of 1-1/2" to 2" wide and 3/16" thick 2-Nos. stianless steel strips with studs i/c 3/4" dia 16-SWG 3-Nos. stainless steel pipes longitudinally passing in with bottom stainless stee "Tiki" & cover, fixing with rowal bolt (3" to 2-1/2" long) i/c steel polishing etc complete in all repect as approved by the Engineer Incharge.	Rft	188	2740	513750	-----	-----	-----	-----	513750	do--

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd RI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
viii	Providing and Fixing false Ceiling of Gypsum Board (Imported) with 01-side laminated consisting of Imported Tee 1"x1"x1/16 and 1"x1x1/16" angle on wall sides powder coated on lower exposed side coated with all accessories such as hanging wires, hooks, screws, rowel plugs and cross joints etc complete in all respects and as approved by the Engineer Incharge.	Sft	24406	85	2074510	-----	-----	-----	-----	2074510	
ix	P/F glazed door 12 mm thick tempered glass both side laminated fixed in top and bottom aluminium rail of required size and thickness as approved by E.I	Sft	1828	1200	2193600	-----	-----	-----	-----	2193600	do--
x	P/F of LED light of best quality 120 Watt phallps or equivelent for fasle ceilling 2'x2' size complete in all respect as approved by the Engineer Incharge	each	500	9800	4900000	-----	-----	-----	-----	4900000	
xi	P/F Stainless steel angle 1-1/2" x 1-1/2" x 1/8" in corner of tiles as approved by E.I	Rft	250	400	100000	-----	-----	-----	-----	100000	do--
xii	S/e of exhuast fan plastic body 12" sweep GFC / Pak / Asia as approved by the E. Incharge.	each	25	3500	87500	-----	-----	-----	-----	87500	
xiii	S/E of electric panel board of MS sheet 18 SWG 24"x18"x6" size with 200/250 Amp: MCCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches 8-Nos Single phase 30/35 Amp: circuit bracker and indicator lights RYB complete in all respect.	each	20	52000	1040000	-----	-----	-----	-----	1040000	do--
xiv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasaki of MS sheet 18 SWG 24"x18"x6" size with 630 Amp: MCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches complete in all respect.	each	5	195800	979000	-----	-----	-----	-----	979000	
xv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasaki of MS sheet 18 SWG 24"x18"x6" size with 1000 Amp: MCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches complete in all respect.	each	4	525000	2100000	-----	-----	-----	-----	2100000	do--
xvi	S/E of Bracket fan 24 " best quality complete in all respect.as approved by Engineer Incharge.	each	50	5200	260000	-----	-----	-----	-----	260000	
xvii	P/F Bathroom accessories sets 7 pieces (Master or equivalent) CP made complete as approved by Engineer Incharge.	each	25	5500	137500	-----	-----	-----	-----	137500	
xviii	P/F of glazed earthen ware vaintry porta or equivalent comprising of earthware vanity stainless steel waset coupling and stainless steel bottle trap i/c cost of cutting marble as per requirement etc complete in all respect.	each	20	14000	280000	-----	-----	-----	-----	280000	do--

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
xix	Providing and fixing glazed Commode (Porta or equivelent) best quality i/c flushing tank 3 gallon capacity complete in all respect	each	12	19530	234360	-----	-----	-----	-----	234360	do--
xx	P/L Marble Tile Full Width (Pre-polished) Granite Black 3/4" Thick Of Approved Quality And Shade Laid In White Cement And Pigment Laid Over 3/4" Thick Cement Sand Mortar 1:2 I/C Cost Of Rubbing & Polishing Complete In All Respects As Approved By The Engineer Incharge For Counters	sft	1504	909	1367136	-----	-----	-----	-----	1367136	
AA	**OPD BLOCK**	JOB	-----	-----	-----			32417659	32417659	-----	Detailed Attached
BB	**EYE AND GENERAL OPD**	JOB	-----	-----	-----	1	-----	8118288	8118288	-----	Detailed Attached
CC	**CHEST WARD**	JOB						8470062	8470062	-----	Detailed Attached
B	**FIRST FLOOR**				13231851	-----	-----	-----		13231851	Detailed Attached
	Additional Items					-----	-----	-----			
I	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Flooring Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	22380	270	6042600	-----	-----	-----	-----	6042600	Saving Due to Spliting of scope of work
II	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Dado/Skirting Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	27168	285	7742945	-----	-----	-----	-----	7742945	
III	Providing and laying Coloured Glazed Ceramic Tiles Flooring size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge. (MASTER or Equivalent).	Sft	944	216	203904	-----	-----	-----	-----	203904	Saving Due to Spliting of scope of work
iv	Providing and laying Coloured Glazed Ceramic Tiles Dado / Skirting size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge	Sft	3115	240	747549	-----	-----	-----	-----	747549	
v	Providing and Fixing M.S grill consisting of 1" x 1", 18-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 3/8" x 3/8" M.S square bars 4" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	Sft	1081	470	508070	-----	-----	-----	-----	508070	Saving Due to Spliting of scope of work
vi	P/F UPVC Door 38-mm thickness i/c matching color UPVC frame matt or glossy finish having colour i/c all accessories and mortic locks complete in all respect	Sft	263	750	197250	-----	-----	-----	-----	197250	

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference			Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess		Saving	
1	2	3	4	5	6	7	8	9	10		11	12
vii	Providing and Fixing Stainless steel non-magnetic railing consisting of main pipe 2" dia 16-SWG Imported (China) & 2'-9" height balustrades @ 2' C/C consisting of 1-1/2" to 2" wide and 3/16" thick 2-Nos. stainless steel strips with studs i/c 3/4" dia 16-SWG 3-Nos. stainless steel pipes longitudinally passing in with bottom stainless stee "Tiki" & cover, fixing with rowal bolt (3" to 2-1/2" long) i/c steel polishing etc complete in all repect as approved by the Engineer Incharge.	Rft	188	2740	513750	-----	-----	-----	-----		513750	Saving Due to Splitting of scope of work
viii	Providing and Fixing False Ceiling of Gypsum Board (Imported) with 01-side laminated consisting of Imported Tee 1"x1"x1/16 and 1"x1x1/16" angle on wall sides powder coated on lower exposed side coated with all accessories such as hanging wires, hooks, screws, rowel plugs and cross joints etc complete in all respects and as approved by the Engineer Incharge.	Sft	22218	85	1888530	-----	-----	-----	-----		1888530	
ix	P/F glazed door 12 mm thick tempered glass both side laminated fixed in top and bottom aluminium rail of required size and thickness as approved by E.I	Sft	323	1200	387600	-----	-----	-----	-----		387600	
x	P/F of LED light of best quality 120 Watt philips or equivelent for faisle celilling 2'x2' size complete in all respect as approved by the Engineer Incharge	each	400	9800	3920000	-----	-----	-----	-----		3920000	Saving Due to Splitting of scope of work
xi	P/F Stainless steel angle 1-1/2" x 1-1/2" x 1/8" in corner of tiles as approved by E.I	Rft	200	400	80000	-----	-----	-----	-----		80000	
xii	S/e of exhuast fan plastic body 12" sweep GFC / Pak / Asia as approved by the E. Incharge.	each	15	3500	52500	-----	-----	-----	-----		52500	Saving Due to Splitting of scope of work
xiii	S/E of electric panel board of MS sheet 18 SWG 24"x18"x6" size with 200/250 Amp: MCCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches 8-Nos Single phase 30/35 Amp: circuit bracker and indicator lights RYB complete in all respect.	each	6	52000	312000	-----	-----	-----	-----		312000	
xiv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasakl of MS sheet 18 SWG 24"x18"x6" size with 630 Amp: MCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches complete in all respect.	each	3	195800	587400	-----	-----	-----	-----		587400	Saving Due to Splitting of scope of work
xv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasakl of MS sheet 18 SWG 24"x18"x6" size with 1000 Amp: MCB Three Phase,with Volt Meter and Amp: Meter i/c selector Switches complete in all respect.	each	2	525000	1050000	-----	-----	-----	-----		1050000	
xvi	S/E of Bracket fan 24" best quality complete in all respect:as approved by Engineer Incharge.	each	25	5200	130000	-----	-----	-----	-----		130000	
xvii	P/F Bathroom accessories sets 7 pieces (Master or equivalent) CP made complete as approved by Engineer Incharge.	each	15	5500	82500	-----	-----	-----	-----		82500	Saving Due to Splitting

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
xviii	P/F of glazed earthen ware valtry porta or equivalent comprising of earthware vanity stainless steel waset coupling and stainless steel bottle trap I/c cost of cutting marble as per requirement etc complete In all respect.	each	6	14000	84000	-----	-----	-----	-----	84000	of scope of work
xix	Providing and fixing glazed Commode (Porta or equivelent) best quality I/c flushing tank 3 gallon capcity complete in all respect	each	5	19530	97650	-----	-----	-----	-----	97650	Saving Due to Splitting of scope of work
xx	P/L Marble Tile Full Width (Pre-polished) Granite Black 3/4" Thick Of Approved Quality And Shade laid In White Cement And Pigment Laid Over 3/4" Thick Cement Sand Motar 1:2 I/C Cost Of Rubbing & polishing Complete In All Respects As Approved By The Engineer Incharge For Coulters	sft	1504	909	1367136	-----	-----	-----	-----	1367136	
DD	**EYE OT FIRST FLOOR**	JOB						8790686	8790686	-----	Detailed Attached
FF	**SURGICAL UNIT III FIRST FLOOR**	JOB	-----	-----	-----		-----	9306810	9306810	-----	Detailed Attached
2	**Old Emergency ward**				3177383			13098107	9920724		Excess due to MRS rates Revised
	Additional Items										
i	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Flooring Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Motar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	4972	270	1342440	-----	-----	-----	-----	1342440	Saving due to inclusion in MRS rates Revised
ii	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Dado/Skirting Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Motar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	5774	285	1645465	-----	-----	-----	-----	1645465	Saving due to inclusion in MRS rates Revised
iii	Providing and laying Coloured Glazed Ceramic Tiles Flooring size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge (MASTER or Equivalent).	Sft	334	216	72144	-----	-----	-----	-----	72144	Saving due to inclusion in MRS rates Revised
iv	Providing and laying Coloured Glazed Ceramic Tiles Dado / Skirting size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer Incharge	Sft	1034	240	248184	-----	-----	-----	-----	248184	Saving due to inclusion in MRS rates Revised
v	Providing and Fixing M.S grill consisting of 1" x 1", 18-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 3/8" x 3/8" M.S square bars 4" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	Sft	534	470	250980	-----	-----	-----	-----	250980	Saving due to inclusion in MRS rates Revised

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
5	**CHILDREN Complex WARD**				4061695			14111421	10049726	-----	Excess due to MRS rates Revised
	Additional Items										
i	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Flooring Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Mortar 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	7195	270	1942650	-----	-----	-----	-----	1942650	Saving due to inclusion in MRS rates Revised
ii	P/L Master Tiles 24" X 24" Granite With Salt'n Pepper (Spm 110) Light Polished Sb Dado/Skirting Of Approved Colour And Quality With Border Laid Over 1:2 Cement Sand Morter 3/4" Thick Complete In All Respect Approved By The Engineer Incharge.	Sft	6350	285	1809750	-----	-----	-----	-----	1809750	Saving due to inclusion in MRS rates Revised
iii	Providing and laying Coloured Glazed Ceramic Tiles Flooring size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand morter (1:2) I/c filling joints in white cement and matching pigment I/c cutting charges complete in all respect as approved & directed by the Engineer Incharge. (MASTER or Equivalent).	Sft	60	216	12960	-----	-----	-----	-----	12960	Saving due to inclusion in MRS rates Revised
iv	Providing and laying Coloured Glazed Ceramic Tiles Dado / Skirting size 12"x24"& 13"x26" or equivalent laid in white cement and matching pigment over 1/2" thick cement sand morter (1:2) I/c filling joints in white cement and matching pigment I/c cutting charges complete in all respect as approved & directed by the Engineer Incharge	Sft	378	240	90720	-----	-----	-----	-----	90720	Saving due to inclusion in MRS rates Revised
v	Providing and Fixing M.S grill consisting of 1" x 1", 18-SWG M.S square pipe frame with 2 rows of horizontally & equal dividing panels vertically in the same frame and 3/8" x 3/8" M.S square bars 4" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	Sft	648	470	304560	-----	-----	-----	-----	304560	Saving due to inclusion in MRS rates Revised
vi	Providing and fixing UPVC Door 38-mm/ thickness i/c Deluex matching color UPVC frame matt or Glossy Finish having color(White Gray Marble Gray Oak Wood Dard Oak Wood Coffee Wood Honey Pine Wood Mahagony Marry Gold Chocolate Brown Honey Dew i/c all accessories i/c locks complete in all respect as approved by the Engineer Incharge	Sft	53	750	39750					39750	Not Needed Due to Specification Provided by Chief Architect punjab
vii	Providing and Fixing False Ceiling of Gypsum Board (Imported) with 01-side laminated consisting of Imported Tee 1"x1"x1/16 and 1"x1x1/16" angle on wall sides powder coated on lower exposed side coated with all accessories such as hanging wires, hooks, screws, rowel plugs and cross joints etc complete in all respects and as approved by the Engineer Incharge.	Sft	7195	85	611575	-----	-----	-----	-----	611575	Saving due to inclusion in MRS rates Revised
ix	P/F glazed door 12 mm thick tempered glass both side laminated fixed in top and bottom aluminium rail of requited size and thickness as approved by E.I	Sft	38	1200	45600	-----	-----	-----	-----	45600	Saving due to inclusion in MRS rates Revised

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2		3	4	5	6	7	8	9	10	11	12
x	P/F of LED light of best quality 120 Watt philips or equivelent for false ceilling 2'x2' size complete in all respect as approved by the Engineer Incharge	each	117	9800	1146600	-----	-----	-----	-----	-----	Savind due to Exclusion from scope of work from client Department
xi	P/F Stainless steel angle 1-1/2" x 1-1/2" x 1/8" in corner of tiles as approved by E.I	Rft	125	400	50000	-----	-----	-----	-----	-----	do--
xii	S/e of exhuast fan plastic body 12" sweep GFC / Pak / Asia as approved by the E. Incharge.	each	12	3500	42000	-----	-----	-----	-----	-----	Savings due to MRS rates Revised
xiii	S/E of electric panel board of MS sheet 18 SWG 24"x18"x6" size with 200/250 Amp: MCCB Three Phase,with Volt Meter and Amp: Meter I/c selector Switches 8-Nos Single phase 30/35 Amp: circuit bracker and indicator lights RYB complete in all respect.	each	4	52000	208000	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xiv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasaki of MS sheet 18 SWG 24"x18"x6" size with 630 Amp: MCB Three Phase,with Volt Meter and Amp: Meter I/c selector Switches complete in all respect.	each	2	195800	391600	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xv	S/E of electric panel board consisting of MCCB , MCB, manufacture by tarasaki of MS sheet 18 SWG 24"x18"x6" size with 1000 Amp: MCB Three Phase,with Volt Meter and Amp: Meter I/c selector Switches complete in all respect.	each	1	525000	525000	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xvi	S/E of Bracket fan 24 " best quality complete in all respect.as approved by Engineer Incharge.	each	20	5200	104000	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xvii	P/F Bathroom accessories sets 7 pieces (Master or equivalent) CP made complete as approved by Engineer Incharge.	each	3	5500	16500	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xviii	P/F of glazed earthen ware vaintY porta or equivalent comprising of earthware vanity stainless steel waset coupling and stainless steel bottle trap I/c cost of cutting marble as per requirement etc complete in all respect.	each	3	14000	42000	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xix	Provlding and fixing glazed Commode (Porta or equivelent) best quality I/c flushing tank 3 gallon capacity complete in all respect	each	3	19530	58590	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
xx	P/L Marble Tile Full Width (Pre-polished) Granite Black 3/4" Thick Of Approved Quality And Shade Laid In White Cement And Pigment Laid Over 3/4" Thick Cement Sand Mortar 1:2 I/C Cost Of Rubbing & Polishing Complete In All Respects As Approved By The Engineer Incharge For Counters	sft	1950	909	1772550	-----	-----	-----	-----	-----	Saving due to inclusion in MRS rates Revised
7	**RENOVATION OF CARDIAOLOGY OUT DOOR AND CARDIAC WARD**	JOB	-----	-----	-----	1		10198810	10198810	-----	Detailed Attached
6	**PROVISION OF HT. LT PANELS & INCLUDING POWER WIRING**	JOB	-----	-----	-----	1		9775903	9775903	-----	Detailed Attached

Sr. No.	Description	Unit	As per Administrative Approval			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
	Total.	Rs.			1258843332			1228695877	114370341	1173850861	
	External Development Charges	Rs.			58462444			11027768	-----	47434676	Saving Due to Excluding Road Surfacting as per Direction in scope of work of PMU Minutes of Meeting Given
	Total.	Rs.			1843467776			1338973555	114370341	-----	
	5% PRA	Rs.			9217339			6694868	-2522471	-----	
	WAPDA/SUI Gas Charges.	Rs.			2000000			1000000	-----	-----	
	G. Total.	Rs.			1955641115			1415922223	-539718921	-----	Excess due to MRS rates Revised
	Say.	Rs.			195,564			Rs. 141.592	-53.972	-----	

A.A = Rs. 195.564 (M)

Revised RC Estimate = Rs. 141.592 (M)

Difference = -Rs. 53.972 (M)

-27.598 Excess over A.A

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Sr. No.	Description	Unit	As per approve Rough Cost Estimate			As per Revised Rough Cost Estimate Based on MRS 2nd BI ANNUAL 2022			Difference		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12
vi	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge	Rft	-----	-----	-----	250	580	122869587/- (145000 struck out) +92273687	~~145000~~	-----	Excess due to inclusion in scope
	Total.			Rs.	125804332 (~~126457721~~)			~~187940503~~	~~178595407~~	117115119	
	External Development Charges			Rs.	58462444		Rs.	28590616 (~~27757880~~) 110277681/-	-----	30704564	Saving Due to Excluding Road Surfacing as per Direction in scope of work of PMU Minutes of Meeting Given
	Total.			Rs.	184346776 (~~184920165~~)		Rs.	220864313 (~~215698383~~)	178595407	-----	
	3 % Contigency Charges						Rs.	~~6470951~~	6470951	-----	
	5% PRA			Rs.	9217339 (~~9246008~~)		6694868 Rs.	11043216 (~~10784919~~)	~~1538911~~	-----	
	1% Horticulture Charges.			Rs.	1843468 (~~1849202~~)		Rs.	2208643 (~~2156984~~)	307782	-----	
	WAPDA/SUI Gas Charges.			Rs.	200000 (~~1000000~~)		Rs.	1000000	-----	-----	
	G. Total.			Rs.	197407583 (~~197015375~~)		Rs.	235116172 (~~236111238~~) 141592223/-	39095863	-----	Excess due to MRS rates Revised
	Say.			Rs.	197.015		Rs.	235.116 (~~236.111~~)	~~39.096~~	-----	

141.592

Approved AA = Rs. 197.408 (~~197.015~~) (M)

Revised Estimate = Rs. 235.116 (~~236.111~~) (M)

Difference = Rs. 39.096 (M)

19.84% Excess over AA (~~19.844 Excess over~~)

19.84% Excess

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
BUILDINGS DIVISION,
VEHARI

Superintending Engineer
Building Circle Multan

TECHNICALLY VETTED
Rs. 141.592 (~~235.116~~) (Million)

Chief Engineer
Punjab Buildings Deptt;
South Zone, Lahore.

Deputy Director
Punjab Buildings Deptt;
South Zone, Lahore.

Chief Draftsman
Punjab Buildings Deptt;
South Zone, Lahore.

REVISED ROUGH COST ESTIMATE FOR THE WORK " BALANCE WORK OF REVAMPING OF ALL DHQ/15 THQ HOSPITALS IN PUNJAB ONE AT DHQ HOSPITAL VEHARI ADP#660 FY 2022-23.

ABSTRACT OF COST

MRS (1 JULY 2022 TO 31 DECEMBER

Sr. No.	Description of Items.		Amount.
1	Renovation of OPD BLOCK	Rs.	32417659 /-
2	Renovation of EYE and General OPD	Rs.	8118288 /-
3	Renovation of EYE OT First Floor	Rs.	8790686 /-
4	Renovation of Surgical Unit III First Floor	Rs.	9306810 /-
5	Renovation of Ortho Block	Rs.	8581853 /-
6	Renovation of Old Emergency Block	Rs.	13098107 /-
7	Renovation of Children Complex	Rs.	14111421 /-
8	Renovation of Cardiaology Out Door and Cardiac Ward	Rs.	10198810 /-
9	Renovation of Chest Ward	Rs.	8470062 /-
10	Provision of HT. LT Panels & Including Power Wiring	Rs.	9775903 /-
11	External Development	Rs.	11027768 /-
	Total.	**Rs.**	**133897366 /-**
	Add 5% PRA		6694868 /-
	Add for WAPDA Charges.		1000000 /-
	Total.	**Rs.**	**141592234 /-**
	Say.	**Rs.**	**141.592 (M)**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF OPD BLOCK

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	2	x	15		=	30	No.
				Total	=	**30**	**No.**
				@ 438.00		Each	**13140**

2 Removing windows and sky lights with chowkat.

	2	x	21		=	42	No.
				Total	=	**42**	**No.**
				@ 341.50		Each	**14343**

3 Petty repair to main room

	1	x	20		=	20	No.
				Total	=	**20**	**No.**
				@ 1116.65		Each	**22333**

4 Petty repair to small room

	1	x	10		=	10	No.
				Total	=	**10**	**No.**
				@ 558.25		Each	**5583**

5 Dismantling Glazed Or encaustic tile

bath	1	x	2	(6	+	4 5/8	)	5	=	106	Sft	
	2	x	2	(7-3/8	+	7 3/8	)	5	=	295	Sft	
toilet	2	x	2	(9-3/10	+	7 1/6	)	5	=	329	Sft	
lav	1	x	2	(15-7/8	+	10	)	5	=	259	Sft	
w.c	2	x	2	(4	+	5	)	5	=	180	Sft	
								Total	=	**1169**	**Cft**	
							@	2335.85		%sft		**27311**

6 Dismantling cement concrete 1:2:4 plain.

casulty	2	x	15-17/25	x	18 3/8	x	1/8	=	72	Cft	
M.operation	2	x	15-7/8	x	18 3/8	x	1/8	=	73	Cft	
male ward	2	x	7-3/4	x	18 3/8	x	1/8	=	36	Cft	
Fe male ward	2	x	29	x	18 3/8	x	1/8	=	133	Cft	
physio therpy	2	x	17-3/16	x	17 5/8	x	1/8	=	76	Cft	
Therpist	2	x	15-11/16	x	17 5/8	x	1/8	=	69	Cft	
store	2	x	6	x	7 1/3	x	1/8	=	11	Cft	
Gents lab	2	x	15-7/8	x	9 3/4	x	1/8	=	39	Cft	
Surgen	2	x	15-2/3	x	17 1/2	x	1/8	=	69	Cft	
fe male waitng	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft	
Examin	2	x	7-1/2	x	8 1/2	x	1/8	=	16	Cft	
Skin Disease	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft	
Treatment	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft	
M.Officer	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft	
Examin	2	x	7-3/4	x	9 3/4	x	1/8	=	19	Cft	
Male waiting	2	x	32-10/37	x	17 5/8	x	1/8	=	142	Cft	
Cold Storage	2	x	7-3/16	x	9 1/4	x	1/8	=	17	Cft	
Dispensory	2	x	24	x	17 5/8	x	1/8	=	106	Cft	
store	2	x	7-3/16	x	9 1/3	x	1/8	=	17	Cft	
X-Ray Therpy	2	x	15-11/16	x	15-11/16	x	1/8	=	62	Cft	
Fluoroscopy	2	x	13-3/4	x	18	x	1/8	=	62	Cft	
Ridiography	2	x	17-13/16	x	15-11/16	x	1/8	=	70	Cft	
Dark Room	2	x	9	x	7	x	1/8	=	16	Cft	
B.Prep	2	x	7-9/16	x	7	x	1/8	=	13	Cft	
W.M.O	2	x	17-13/16	x	10-5/8	x	1/8	=	47	Cft	
Ladies Dress	2	x	13-3/4	x	6-1/2	x	1/8	=	22	Cft	
Gyneologist	2	x	18-11/16	x	18	x	1/8	=	84	Cft	

Examin	2	x	5-3/8	x	7 1/6	x	1/8	=	10	Cft
Waiting	2	x	17-1/2	x	13 1/2	x	1/8	=	59	Cft
Examin	2	x	7-3/8	x	7 1/5	x	1/8	=	13	Cft
corridor	2	x	174-17/25	x	10	x	1/8	=	437	Cft
ver	2	x	50-25/41	x	7 1/2	x	1/8	=	95	Cft
	2	x	124	x	7 1/2	x	1/8	=	233	Cft
Ent Hall	2	x	31-3/4	x	49 1/2	x	1/8	=	393	Cft
toilet	1	x	6	x	4 5/8	x	1/8	=	3	Cft
	2	x	7-3/8	x	7 3/8	x	1/8	=	14	Cft
bath	2	x	9-3/10	x	7 1/6	x	1/8	=	17	Cft
lav	1	x	15-7/8	x	10	x	1/8	=	20	Cft
entrnc	1	x	15	x	10	x	1/8	=	19	Cft
ramp	1	x	16	x	7	x	1/8	=	14	Cft
							Total	=	**2871**	**Cft**
						@	9284.40		%Cft	

266550

7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):

casulty	2	x	15-17/25	x	18 3/8	x	1/8	=	72	Cft
M.operation	2	x	15-7/8	x	18 3/8	x	1/8	=	73	Cft
male ward	2	x	7-3/4	x	18 3/8	x	1/8	=	36	Cft
Fe male ward	2	x	29	x	18 3/8	x	1/8	=	133	Cft
physio therpy	2	x	17-3/16	x	17 5/8	x	1/8	=	76	Cft
Therpist	2	x	15-11/16	x	17 5/8	x	1/8	=	69	Cft
store	2	x	6	x	7 1/3	x	1/8	=	11	Cft
Gents lab	2	x	15-7/8	x	9 3/4	x	1/8	=	39	Cft
Surgen	2	x	15-2/3	x	17 1/2	x	1/8	=	69	Cft
fe male waitng	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft
Examin	2	x	7-1/2	x	8 1/2	x	1/8	=	16	Cft
Skin Disease	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft
Treatment	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft
M.Officer	2	x	15-7/10	x	17 5/8	x	1/8	=	69	Cft
Examin	2	x	7-3/4	x	9 3/4	x	1/8	=	19	Cft
Male waiting	2	x	32-10/37	x	17 5/8	x	1/8	=	142	Cft
Cold Storage	2	x	7-3/16	x	9 1/4	x	1/8	=	17	Cft
Dispensory	2	x	24	x	17 5/8	x	1/8	=	106	Cft
store	2	x	7-3/16	x	9 1/3	x	1/8	=	17	Cft
X-Ray Therpy	2	x	15-11/16	x	15-11/16	x	1/8	=	62	Cft
Fluoroscopy	2	x	13-3/4	x	18	x	1/8	=	62	Cft
Ridiography	2	x	17-13/16	x	15-11/16	x	1/8	=	70	Cft
Dark Room	2	x	9	x	7	x	1/8	=	16	Cft
B.Prep	2	x	7-9/16	x	7	x	1/8	=	13	Cft
W.M.O	2	x	17-13/16	x	10-5/8	x	1/8	=	47	Cft
Ladies Dress	2	x	13-3/4	x	6-1/2	x	1/8	=	22	Cft
Gyneologist	2	x	18-11/16	x	18	x	1/8	=	84	Cft
Examin	2	x	5-3/8	x	7 1/6	x	1/8	=	10	Cft
Waiting	2	x	17-1/2	x	13 1/2	x	1/8	=	59	Cft
Examin	2	x	7-3/8	x	7 1/5	x	1/8	=	13	Cft
corridor	2	x	174-17/25	x	10	x	1/8	=	437	Cft
ver	2	x	50-25/41	x	7 1/2	x	1/8	=	95	Cft
	2	x	124	x	7 1/2	x	1/8	=	233	Cft
Ent Hall	2	x	31-3/4	x	49 1/2	x	1/8	=	393	Cft
toilet	1	x	6	x	4 5/8	x	1/8	=	3	Cft
	2	x	7-3/8	x	7 3/8	x	1/8	=	14	Cft
toilet	2	x	9-3/10	x	7 1/6	x	1/8	=	17	Cft
	1	x	15-7/8	x	10	x	1/8	=	20	Cft

entrnc	1	x	15	x	10	x	1/8	=	19	Cft	
ramp	1	x	16	x	7	x	1/8	=	14	Cft	
							Total	=	**2871**	**Cft**	
						@	38126.10		%Cft		**1094580**

8 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 stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Ramp	2	x	16					=	32	Rft	
stair	4	x	22					=	88	Rft	
							Total	=	**120**	Rft	
						@	2361.45		P.Rft		**283374**

9 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

casulty	2	x	15-17/25	x	18 3/8	=	576	Sft	
male ward	2	x	7-3/4	x	18 3/8	=	285	Sft	
Fe male ward	2	x	29	x	18 3/8	=	1066	Sft	
Therpist	2	x	15-11/16	x	17 5/8	=	553	Sft	
Gents lab	2	x	15-7/8	x	9 3/4	=	310	Sft	
Surgen	2	x	15-2/3	x	17 1/2	=	548	Sft	
fe male waitng	2	x	15-7/10	x	17 5/8	=	553	Sft	
Examin	2	x	7-1/2	x	8 1/2	=	128	Sft	
Skin Disease	2	x	15-7/10	x	17 5/8	=	553	Sft	
Treatment	2	x	15-7/10	x	17 5/8	=	553	Sft	
Examin	2	x	7-3/4	x	9 3/4	=	151	Sft	
Male waiting	2	x	32-10/37	x	17 5/8	=	1138	Sft	
B.Prep	2	x	7-9/16	x	7	=	106	Sft	
Ladies Dress	2	x	13-3/4	x	6-1/2	=	179	Sft	
Gyneologist	2	x	18-11/16	x	18	=	673	Sft	
Examin	2	x	5-3/8	x	7 1/6	=	77	Sft	
Waiting	2	x	17-1/2	x	13 1/2	=	473	Sft	
Examin	2	x	7-3/8	x	7 1/5	=	106	Sft	
corridor	2	x	174-17/25	x	10	=	3494	Sft	
store	2	x	6	x	7 1/3	=	88	Sft	
Cold Storage	2	x	7-3/16	x	9 1/4	=	133	Sft	
Dispensory	2	x	24	x	17 5/8	=	846	Sft	
store	2	x	7-3/16	x	9 1/3	=	134	Sft	
M.Officer	2	x	15-7/10	x	17 5/8	=	553	Sft	
W.M.O	2	x	17-13/16	x	10-5/8	=	379	Sft	
ver	2	x	50-25/41	x	7 1/2	=	759	Sft	
	2	x	124	x	7 1/2	=	1860	Sft	
Ent Hall	2	x	31-3/4	x	49 1/2	=	3143	Sft	
toilet	2	x	6	x	4 5/8	=	56	Sft	
	4	x	7-3/8	x	7 3/8	=	218	Sft	
	4	x	9-3/10	x	7 1/6	=	266	Sft	
lav	2	x	15-7/8	x	10	=	318	Sft	
						Total	=	**20273**	**Sft**
					@	340.50		P.Sft	**6902843**

11 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

Ground and first Floor

casult	2	x	2	x(	15-17/25	x	18 3/8	)x	4	=	545	Sft
male w	2	x	2	x(	7-3/4	x	18 3/8	)x	4	=	418	Sft
Fe male	2	x	2	x(	29	x	18 3/8	)x	4	=	758	Sft
physio th	2	x	2	x(	17-3/16	x	17 5/8	)x	4	=	557	Sft
Therpi	2	x	2	x(	15-11/16	x	17 5/8	)x	4	=	533	Sft
store	2	x	2	x(	6	x	7 1/3	)x	1/2	=	27	Sft
Gents I	2	x	2	x(	15-7/8	x	9 3/4	)x	4	=	410	Sft
Surge	2	x	2	x(	15-2/3	x	17 1/2	)x	4	=	531	Sft
fe male w	2	x	2	x(	15-7/10	x	17 5/8	)x	4	=	533	Sft
Exami	2	x	2	x(	7-1/2	x	8 1/2	)x	4	=	256	Sft
Skin Dis	2	x	2	x(	15-7/10	x	17 5/8	)x	4	=	533	Sft
Treatm	2	x	2	x(	15-7/10	x	17 5/8	)x	4	=	533	Sft
Exami	2	x	2	x(	7-3/4	x	9 3/4	)x	4	=	280	Sft
Male wai	2	x	2	x(	32-10/37	x	17 5/8	)x	4	=	798	Sft
Cold Sto	2	x	2	x(	7-3/16	x	9 1/4	)x	1/2	=	33	Sft
Dispens	2	x	2	x(	24	x	17 5/8	)x	4	=	666	Sft
store	2	x	2	x(	7-3/16	x	9 1/3	)x	1/2	=	33	Sft
X-Ray Th	2	x	2	x(	15-11/16	x	15-11/16	)x	4	=	502	Sft
Fluorosc	2	x	2	x(	13-3/4	x	18	)x	4	=	508	Sft
Ridiogra	2	x	2	x(	17-13/16	x	15-11/16	)x	4	=	536	Sft
Dark Ro	2	x	2	x(	9	x	7	)x	4	=	256	Sft
B.Pre	2	x	2	x(	7-9/16	x	7	)x	4	=	233	Sft
Ladies D	2	x	2	x(	13-3/4	x	6-1/2	)x	4	=	324	Sft
Gyneolo	2	x	2	x(	18-11/16	x	18	)x	4	=	587	Sft
Exami	2	x	2	x(	5-3/8	x	7 1/6	)x	4	=	201	Sft
Waitin	2	x	2	x(	17-1/2	x	13 1/2	)x	4	=	496	Sft
Exami	2	x	2	x(	7-3/8	x	7 1/5	)x	4	=	233	Sft
M.Offic	2	x	2	x(	15-7/10	x	17 5/8	)x	4	=	533	Sft
W.M.(	2	x	2	x(	17-13/16	x	10-5/8	)x	4	=	455	Sft
corrid	2	x	2	x(	174-17/25	x	11 1/4	)x	6	=	4462	Sft
ver	2	x	2	x(	50-25/41	x	7 1/2	)x	4	=	930	Sft
	2	x	2	x(	124	x	7 1/2	)x	4	=	2104	Sft
Ent Ha	2	x	2	x(	31-3/4	x	49 1/2	)x	6	=	1950	Sft
									Total	**=**	**21754**	**Sft**
			10	x	4	x	6			=	240	Sft
			2	x	10	x	6			=	120	Sft
									Total	**=**	**360**	**Sft**
									N.Total	**=**	**21394**	**Sft**
								@	340.50		P.Sft	**7284646**

i Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm

bath	2	x	2	(	6	+	4 5/8	)	7	=	298	Sft
	4	x	2	(	7-3/8	+	7 3/8	)	7	=	826	Sft
toilet	4	x	2	(	9-3/10	+	7 1/6	)	7	=	922	Sft
lav	2	x	2	(	15-7/8	+	10	)	7	=	725	Sft
w.c	4	x	2	(	4	+	5	)	7	=	504	Sft
									Total	**=**	**3274**	**Sft**
			16	x	2-1/2	x	7			=	280	Sft

		2	x	3	x	7		=	42	Sft
						Total	=	**322**	**Sft**	
						N.Total	=	**2952**	**Sft**	
						@ 292.65		P.Sft		**863833**
14	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick									
	steps	4	x	15	x	1		=	60	Sft
		52	x	5	x	1		=	260	Sft
		22	x	4	x	1		=	88	Sft
						Total	=	**408**	**Sft**	
						@ 1308.95		P.Sft		**534052**
15	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick									
	riser	4	x	15	x	1/2		=	30	Sft
		52	x	5	x	1/2		=	130	Sft
		22	x	4	x	1/2		=	44	Sft
						Total	=	**30**	**Sft**	
						@ 1308.95		P.Sft		**39269**
16	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat									
	vanity shelf	5	x	8	x	2		=	80	Sft
		42	x	5	x	1-1/4		=	263	Sft
						Total	=	**343**	**Sft**	
						@ 1231.30		P.Sft		**422336**
17	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.									
	sror and ward	15	x	4	x	7		=	420	Sft
						Total	=	**420**	**Sft**	
						@ 502.20		P.Sft		**210924**
18	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge									
		7	x	2-1/2	x	7		=	123	Sft
		2	x	3-1/2	x	7		=	49	Sft
						Total	=	**172**	**Sft**	
	Non Schedule					@ 880.00		P.Sft		**151360**
20	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick									

facaaac	*w1*	32	x	4	x	5-1/2			=	704	Sft
	c.w	10	x	3	x	2			=	60	Sft
								Total	=	**764**	**Sft**
							@	1348.40		P.Sft	**1030178**

20 Providing and fixing Aluminum Fly screen comprising of Fiber/ Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted 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.

	w1	1/2	32	x	4	x	5-1/2		=	352	Sft
								Total	=	**352**	**Sft**
							@	493.05		P.Sft	**173554**

21 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

	w1	32	x	4	x	5-1/2			=	704	Sft
	c.w	10	x	3	x	2			=	60	Sft
								Total	=	**764**	**Sft**
							@	854.70		P.Sft	**652991**

22 Dismantling brick work in lime or cement mortar.

bench		10	x	14	x	3 1/2	x	2	=	980	Cft
		8	x	20	x	2	x	2	=	640	Cft
								Total	=	**1620**	**Cft**
							@	38126.10		%Cft	**617643**

23 Dismantling false ceiling comprising of 5/8" thick plaster of paris sheet complete

	OT	2	x	15-7/8	x	18-3/8			=	583	Sft
								Total	=	**583**	**Sft**
							@	10.00		P.Sft	**5830**

24 Supply and instalation of clip-in tile of specified thickness non porus aluminum false ceiling of specified size fitted with clip-in suspension system hanged on consealed T/Shiplap edge/runners@500 mm c/c i/c cutting charges of tiles to required size suspension rod and joints sealed with silicon if required DAMPA/Denmark as Complete In All Respect And As Approved By The Engineer Incharge b) Beveled edges & flanges 21.5 mm c) 600 mmX 600 mm

	OT	2	x	15-33/50	x	18-3/8			=	576	Sft
								Total	=	**576**	**Sft**
Non Schedule							@	550.00		P.Sft	**316800**

25 Supply and instalation anti micorbial Hygenic flooring(with anti bacterial agent) confrming t (oIS :22196) of specified thickness duly welded with thermoplastic equipment placed over self leveling adhesive as Approved By The Engineer Incharge a) Cementitius Urethane b)Epxy C)Plyurethane d)Urethane

	OT	2	x	15-33/50	x	18-3/8			=	576	Sft
								Total	=	**576**	**Sft**
	Non Schedule						@	450.00		P.Sft	**259200**

i Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

		1	x	20			=	20	No	
						Total	=	**20**	**No**	
	NON SCHEDULE				@	14800.00		Each		**296000**
26	Supply and instalation premium graded/scratch-resistant Hygienic anti-micrbial Pvc wall cladding confrming t (oIS :22196) of specified thickness duly welded with thermoplastic equipment placed over 12 mm thick gypsum board with adhesive/solvent fixed over 14 swg G.I Chanel of size 3.5"x2"x3.5" duly screwed on wall i/c the cost of hardware as approved by the Engineer Incharge. b) 2.5 mm thick									
		2	x	2	x(15-33/50	+ 18-3/8	)x 11	=	1498	Sft
							Total	=	**1498**	**Sft**
	Non Schedule					@	1890.00		P.Sft	**2830351**
27	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 . (Non-Skid Chequred Tiles) 300mmx300mm									
	Ramp	1	x	17	x	10		=	170	Sft
	Ramp	2	x	70	x	6		=	840	Sft
							Total	=	**1010**	**Sft**
						@	211.55		P.Sft	**213666**
28	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:(One coat)									
		1	x	2	(204	+ 78	) 35	=	19740	Sft
							Total	=	**19740**	**Sft**
	Dedution									
		36	x	6	x	6		=	1296	Sft
		16	x	3	x	3		=	144	Sft
							Total	=	**1440**	**Sft**
							N.Total	=	**18300**	**Sft**
						@	3319.85		P.Sft	**607533**
i	Painting door and windows 2 coats G.F									
	D	1	x	4 1/2	x	8 1/2		=	38	Sft
	D	40	x	4	x	8 1/2		=	1360	Sft
		2	x	3	x	8 1/2		=	51	Sft
	w	24	x	4	x	6		=	576	Sft
	c.w	3	x	4	x	7		=	84	Sft
	c.w	3	x	3	x	7		=	63	Sft
							Total	=	**2172**	**Sft**
						@	1667.55		%.Sft	**36219**
ii	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long									
		1	x	6				=	6	No
							Total	=	**6**	**No**
						@	926.00		Each	**5556**
29	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.									
	w	3	x	2	x	2		=	12	Sft
	w	1	x	16	x	9		=	144	Sft
							Total	=	**156**	**Sft**

								@	171.30	P.Sft		**26723**
30	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.											
	w		4	x	2	x	2			=	16	Sft
									Total	=	**16**	**Sft**
								@	112.85	P.Sft		**1806**
31	Preparing surface and painting with emulsion paint:-(1 coat on old surface)											
	Therpist		2	x	15-11/16	x	17 5/8			=	553	Sft
	Surgen		2	x	15-2/3	x	17 1/2			=	548	Sft
	M.Officer		2	x	15-7/10	x	17 5/8			=	553	Sft
	B.P room		2	x	7-9/16	x	7			=	106	Sft
	W.M.O		2	x	17-13/16	x	10-5/8			=	379	Sft
	Gyneologist		2	x	18-11/16	x	18			=	673	Sft
	casulty		2	x	15-17/25	x	18 3/8			=	576	Sft
	male ward		2	x	7-3/4	x	18 3/8			=	285	Sft
	Fe male ward		2	x	29	x	18 3/8			=	1066	Sft
	Skin Disease		2	x	15-7/10	x	17 5/8			=	553	Sft
	Treatment		2	x	15-7/10	x	17 5/8			=	553	Sft
	Gents lab		2	x	15-7/8	x	9 3/4			=	310	Sft
	Examin		2	x	7-1/2	x	8 1/2			=	128	Sft
	Examin		2	x	7-3/4	x	9 3/4			=	151	Sft
	Examin		2	x	5-3/8	x	7 1/6			=	77	Sft
	Examin		2	x	7-3/8	x	7 1/5			=	106	Sft
	Ladies Dress		2	x	13-3/4	x	6-1/2			=	179	Sft
									Total	=	**6796**	**Sft**
								@	883.10	%.Sft		**60011**
32	Preparing surface and painting with emulsion paint:-(2 coats on old surface after scraping)											
		2	x	2	x(	15-17/25	x	18 3/8	)x	8	=	1090	Sft
		2	x	2	x(	7-3/4	x	18 3/8	)x	8	=	836	Sft
		2	x	2	x(	29	x	18 3/8	)x	8	=	1516	Sft
		2	x	2	x(	17-3/16	x	17 5/8	)x	8	=	1114	Sft
		2	x	2	x(	15-7/8	x	9 3/4	)x	8	=	820	Sft
		2	x	2	x(	15-7/10	x	17 5/8	)x	8	=	1066	Sft
	casult	2	x	2	x(	15-17/25	+	18 3/8	)x	8	=	1090	Sft
	male w	2	x	2	x(	7-3/4	+	18 3/8	)x	8	=	836	Sft
	Fe male	2	x	2	x(	29	+	18 3/8	)x	8	=	1516	Sft
	Skin Dise	2	x	2	x(	15-7/10	+	17 5/8	)x	8	=	1066	Sft
	Treatm	2	x	2	x(	15-7/10	+	17 5/8	)x	8	=	1066	Sft
	Gents l	2	x	2	x(	15-7/8	+	9 3/4	)x	8	=	820	Sft
	examn	2	x	2	x(	7-1/2	x	8 1/2	)x	8	=	512	Sft
		2	x	2	x(	7-3/4	x	9 3/4	)x	8	=	560	Sft
		2	x	2	x(	5-3/8	x	7 1/6	)x	8	=	401	Sft
		2	x	2	x(	7-3/8	x	7 1/5	)x	8	=	466	Sft
		2	x	2	x(	13-3/4	x	6-1/2	)x	8	=	648	Sft
			D/c Openings									
		2	x	34	x(	3-1/2	x	0	)x	3	=	-714	Sft
										Total	=	**14710**	**Sft**
								@	2796.55	%.Sft		**411373**
33	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)											
	store		2	x	6	x	7 1/3			=	88	Sft
	Cold Storage		2	x	7-3/16	x	9 1/4			=	133	Sft
	Dispensory		2	x	24	x	17 5/8			=	846	Sft
	store		2	x	7-3/16	x	9 1/3			=	134	Sft
	fe male waitng		2	x	15-7/10	x	17 5/8			=	553	Sft
	Male waiting		2	x	32-10/37	x	17 5/8			=	1138	Sft

Waiting		2	x	17-1/2	x	13 1/2			=	473	Sft	
corridor		2	x	174-17/25	x	11 1/4			=	3930	Sft	
ver		2	x	50-25/41	x	7 1/2			=	759	Sft	
		2	x	124	x	7 1/2			=	1860	Sft	
Ent Hall		2	x	31-3/4	x	49 1/2			=	3143	Sft	
toilet		1	x	6	x	4 5/8			=	28	Sft	
		2	x	7-3/8	x	7 3/8			=	109	Sft	
		2	x	9-3/10	x	7 1/6			=	133	Sft	
lav		1	x	15-7/8	x	10			=	159	Sft	
								Total	=	**13485**	**Sft**	
							@	1667.75		%.Sft		**224902**

34 Preparing surface and painting with enamel paint:-(2 coat on old after scraping Distempered surface)

	2	x	2	x(	15-11/16	x	17 5/8	)x	8	=	1066	Sft	
	2	x	2	x(	15-2/3	x	17 1/2	)x	8	=	1061	Sft	
	2	x	2	x(	7-9/16	x	7	)x	8	=	466	Sft	
	2	x	2	x(	18-11/16	x	18	)x	8	=	1174	Sft	
	2	x	2	x(	6	x	7 1/3	)x	8	=	426	Sft	
	2	x	2	x(	7-3/16	x	9 1/4	)x	8	=	526	Sft	
	2	x	2	x(	24	x	17 5/8	)x	8	=	1332	Sft	
	2	x	2	x(	7-3/16	x	9 1/3	)x	8	=	528	Sft	
	2	x	2	x(	15-7/10	x	17 5/8	)x	8	=	1066	Sft	
	2	x	2	x(	15-2/3	x	17 1/2	)x	8	=	1061	Sft	
	2	x	2	x(	7-9/16	x	7	)x	8	=	466	Sft	
gyno	2	x	2	x(	18-11/16	x	18	)x	8	=	1174	Sft	
M.O	2	x	2	x(	15-7/10	x	17 5/8	)x	8	=	1066	Sft	
w.m.o	2	x	2	x(	17-13/16	x	10-5/8	)x	8	=	910	Sft	
fe male w	2	x	2	x(	15-7/10	x	17 5/8	)x	8	=	1066	Sft	
Male wai	2	x	2	x(	32-10/37	x	17 5/8	)x	6	=	1197	Sft	
Waitin	2	x	2	x(	17-1/2	x	13 1/2	)x	8	=	992	Sft	
corrido	2	x	2	x(	174-17/25	x	11 1/4	)x	6	=	4462	Sft	
ver	2	x	2	x(	50-25/41	x	7 1/2	)x	8	=	1860	Sft	
	2	x	2	x(	124	x	7 1/2	)x	8	=	4208	Sft	
Ent Ha	2	x	2	x(	31-3/4	x	49 1/2	)x	6	=	1950	Sft	
D/d pening									**Total**	=	**28060**	**Sft**	
			21	x	3-1/2	x	4			=	294	Sft	
									Total	=	**294**	**Sft**	
									net Total	=	**27766**	**Sft**	
								@	2796.55		%.Sft		**776480**

37 1/2" thick cement plaster 1:4

5	x	2	(	30	+	5	)	2	=	700	Sft	
		4	x	10	x	7			=	280	Sft	
								Total	=	**980**	**Sft**	
							@	3241.60		%Sft		**31768**

38 Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

	8 x	3 1/2	x	4			=	112	Sft	
	5 x	4	x	4			=	80	Sft	
						Total	=	**192**	**Sft**	
Non Schedule					@	1060.00		P.Sft		**203520**

39 Dismantling 2nd class tile roofing.

1 x	78	x	108			=	8424	Sft	
					Total	=	**8424**	**Sft**	
				@	1,269.85		%Sft		**106972**

40	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick								
		1 x	78	x	108		=	8424	Sft
						Total	**=**	**8424**	**Sft**
					@	90.75		P.Sft	**764478**
41	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid. Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect. b) 1-1/2" thick								
		1 x	78	x	108		=	8424	Sft
						Total	**=**	**8424**	**Sft**
					@	9,459.55		%Sft	**796872**
42	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.								
		1 x	78	x	108		=	8424	Sft
						Total	**=**	**8424**	**Sft**
					@	7400.85		%Sft	**623448**
i	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
		1	x	20			=	20	No
						Total	**=**	**20**	**No**
					@	854.35		Each	**17087**
ii	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.								
		1 x	20	x	26		=	520	Rft
						Total	**=**	**520**	Rft
					@	325.95		P.Rft	**169494**
iii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting								
		1	x	20			=	20	No
						Total	**=**	**20**	**No**
					@	887.40		Each	**17748**
iv	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
		2	x	20			=	40	No
						Total	**=**	**40**	**No**
					@	469.95		Each	**18798**
43	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge								
		1 x	100	x	5		=	500	Rft
						Total	**=**	**500**	Rft
	Non Schedule				@	580.00		P.Rft	**290000**
44	Provision Of Sanitory Fittings							8424	Sft
					@	120.00		P.Sft	**1010880**
45	Provision Of internal Electric Fittings							8424	Sft
	Replace switches and board				@	114.00		P.Sft	**960336**
								Total	**31694690**

Credit of Old Material

1	Old damaged door										
				1	x	30			=	30	No
								Total	=	**30**	**No**
							@	2000.00		Each	**60000**
2	Old damaged Mild Steel window										
				1	x	42			=	42	No
								Total	=	**42**	**No**
							@	1500.00		Each	**63000**
3	Old tiles									SFT	
	1	x	8424	x	0.7	x	3.5	=	20639	**Nos**	
				Total				=	**20639**	**Nos**	
					@	**Rs.**		**3,000.00**		**%0Nos**	**Rs.** **61916**
4	Brick Bats										
	1	x	8424	x	0.3	x	0.13	=	316	**Cft**	
				Total				=	**316**	**Cft**	
					@	**Rs.**		**2,000.00**		**%Cft**	**Rs.** **6318**
5	Old damaged Stair Railing										
				1	x	120			=	120	Rft
								Total	=	**120**	Rft
							@	250.00		P.RFt	**30000**
										Total	**221234**

Net Total	=	**31694690**	**(-)**	**221234**	=		**31473455**
add 3% Contigency							944204
						Total	**32417659**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF EYE AND GENERAL OPD

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	17		=	17	No.
				Total	=	**17**	**No.**
			@	438.00		Each	**7446**

2 Removing windows and sky lights with chowkat.

	1	x	8		=	8	No.
				Total	=	**8**	**No.**
			@	341.50		Each	**2732**

3 Petty repair to main room

	1	x	20		=	20	No.
				Total	=	**20**	**No.**
			@	1116.65		Each	**22333**

4 Petty repair to small room

	1	x	10		=	10	No.
				Total	=	**10**	**No.**
			@	558.25		Each	**5583**

5 Dismantling Glazed Or encaustic tile

coridr	1	x	2	(	23	+	11 1/4	)	5	=	343	Sft
bath	4	x	2	(	9-1/2	x	5	)	5	=	580	Sft
lav	2	x	2	(	10-3/8	x	9 3/8	)	5	=	395	Sft
	4	x	2	(	5	x	4 1/2	)	5	=	380	Sft
									Total	=	**1698**	**Cft**
								@	2335.85		%sft	**39651**

6 Dismantling cement concrete 1:2:4 plain.

ver	1	x	34	x	9 1/3	x	1/8	=	40	Cft	
Coridor	1	x	23	x	11 1/4	x	1/8	=	32	Cft	
Coridor	1	x	50	x	6	x	1/8	=	38	Cft	
ver	2	x	30	x	9 3/8	x	1/8	=	70	Cft	
ver	1	x	50	x	9 3/8	x	1/8	=	59	Cft	
lav	2	x	10-3/8	x	9 3/8	x	1/8	=	24	Cft	
w.c	4	x	5	x	4 1/2	x	1/8	=	11	Cft	
bath	4	x	9-1/2	x	5	x	1/8	=	24	Cft	
							Total	=	**298**	**Cft**	
						@	9284.40		%Cft		**27635**

7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):

ver	1	x	34	x	9 1/3	x	1/8	=	40	Cft	
Coridor	1	x	23	x	11 1/4	x	1/8	=	32	Cft	
Coridor	1	x	50	x	6	x	1/8	=	38	Cft	
ver	2	x	30	x	9 3/8	x	1/8	=	70	Cft	
ver	1	x	50	x	9 3/8	x	1/8	=	59	Cft	
lav	2	x	10-3/8	x	9 3/8	x	1/8	=	24	Cft	
w.c	4	x	5	x	4 1/2	x	1/8	=	11	Cft	
bath	4	x	9-1/2	x	5	x	1/8	=	24	Cft	
							Total	=	**298**	**Cft**	
						@	38126.10		%Cft		**113480**

8 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 stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Ramp	2	x	16		=	32	Rft
				Total	=	**32**	Rft
			@	2361.45		P.Rft	**75566**

9 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

ver	1	x	34	x	9 1/3	=	317	Sft	
Waiting	1	x	19-1/4	x	24 3/8	=	469	Sft	
Coridor	1	x	23	x	11 1/4	=	259	Sft	

Coridor			1	x	50	x	6			=	300	Sft	
ver			2	x	30	x	9 3/8			=	563	Sft	
ver			1	x	50	x	9 3/8			=	469	Sft	
lav			2	x	10-3/8	x	9 3/8			=	195	Sft	
w.c			4	x	5	x	4 1/2			=	90	Sft	
bath			4	x	9-1/2	x	5			=	190	Sft	
									Total	=	**2850**	**Sft**	
								@	340.50		P.Sft		**970553**

11 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

1	x	2	x(	34	x	9 1/3	)x	4	=	347	Sft	
1	x	2	x(	19-1/4	x	24 3/8	)x	6	=	524	Sft	
1	x	2	x(	23	x	11 1/4	)x	6	=	411	Sft	
1	x	2	x(	50	x	6	)x	6	=	672	Sft	
2	x	2	x(	30	x	9 3/8	)x	4	=	630	Sft	
1	x	2	x(	50	x	9 3/8	)x	4	=	475	Sft	
2	x	2	x(	10-3/8	x	9 3/8	)x	4	=	316	Sft	
								Total	=	**3374**	**Sft**	
		5	x	4	x	6			=	120	Sft	
								Total	=	**120**	**Sft**	
								N.Total	=	**3254**	**Sft**	
							@	340.50		P.Sft		**1107987**

i Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm

4	x	2	x(	5	x	4 1/2	)x	7	=	532	Sft	
4	x	2	x(	9-1/2	x	5	)x	7	=	812	Sft	
								Total	=	**1344**	**Sft**	
		1	x	3	x	7			=	21	Sft	
		8	x	2-1/2	x	7			=	140	Sft	
								Total	=	**161**	**Sft**	
								N.Total	=	**1183**	**Sft**	
							@	292.65		P.Sft		**346205**

12 Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat

vanity shelf		2	x	8	x	2			=	32	Sft	
								Total	=	**32**	**Sft**	
							@	1231.30		P.Sft		**39402**

13 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.

STAFF ROM		3	x	3-3/4	x	6-7/8			=	77	Sft	
								Total	=	**77**	**Sft**	
							@	502.20		P.Sft		**38669**

15 Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge

		8	x	2-1/2	x	7			=	140	Sft	
		2	x	3-1/2	x	7			=	49	Sft	
								Total	=	**189**	**Sft**	
NON SCHEDULE							@	880.00		P.Sft		**166320**

18 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick

	c.w	8	x	3	x	2			=	48	Sft
								Total	=	**48**	**Sft**
							@	1348.40		P.Sft	**64723**

19 Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s ketl/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.

	w1	1/2	8	x	3	x	2		=	24	Sft
								Total	=	**24**	**Sft**
							@	493.05		P.Sft	**11833**

20 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

	c.w	8	x	3	x	2			=	48	Sft
								Total	=	**48**	**Sft**
							@	854.70		P.Sft	**41026**

21 Dismantling brick work in lime or cement mortar.

	bench	4	x	14	x	2	x	2	=	224	Cft
		2	x	8	x	2	x	2	=	64	Cft
								Total	=	**288**	**Cft**
							@	38126.10		%Cft	**109803**

22 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 . (Non-Skid Chequred Tiles) 300mmx300mm

	Ramp	1	x	17	x	10			=	170	Sft
								Total	=	**170**	**Sft**
							@	211.55		P.Sft	**35964**

23 Painting door and windows 2 coats G.F

	D	1	x	4 1/2	x	8 1/2			=	38	Sft
	D	12	x	4	x	8 1/2			=	408	Sft
		2	x	3	x	8 1/2			=	51	Sft
	W	10	x	4	x	6			=	240	Sft
	c.w	3	x	4	x	2			=	24	Sft
	c.w	3	x	3	x	2			=	18	Sft
								Total	=	**779**	**Sft**
							@	1667.55		%.Sft	**12990**

24 P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long

		1	x	6					=	6	No
								Total	=	**6**	**No**
							@	926.00		Each	**5556**

25 Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.

	W	3	x	2	x	2			=	12	Sft
	W	1	x	16	x	9			=	144	Sft
								Total	=	**156**	**Sft**
							@	171.30		P.Sft	**26723**

26 Glazing with panes (16 oz. to 18 oz.,) including cost of putty.

	W	4	x	4	x	2			=	32	Sft
								Total	=	**32**	**Sft**

							@	112.85	P.Sft		**3611**
27	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)										
	Store	1	x	11-1/4	x	9 1/3	=	105	Sft		
	Matron	1	x	11-1/4	x	19.938	=	224	Sft		
	store	1	x	11-7/16	x	13 3/4	=	157	Sft		
	dy Medical	1	x	19-15/16	x	20 1/8	=	401	Sft		
	ver	1	x	34	x	9 1/3	=	317	Sft		
	Exam cub	2	x	9-5/16	x	5 4/9	=	101	Sft		
	Waiting	1	x	19-1/4	x	24 3/8	=	469	Sft		
	M.spout	1	x	13-15/16	x	20-1/8	=	280	Sft		
	H.clerk	1	x	11-7/16	x	13-3/4	=	157	Sft		
	Stationery	1	x	7-3/16	x	9-5/18	=	67	Sft		
	Eno & reg	1	x	15-11/16	x	9-5/16	=	146	Sft		
	telephon rom	1	x	6-3/16	x	7-3/8	=	46	Sft		
	Record	1	x	11-7/16	x	11-17/59	=	129	Sft		
	office	1	x	15-17/24	x	19-15/16	=	313	Sft		
	Coridor	1	x	23	x	11 1/4	=	259	Sft		
	Coridor	1	x	50	x	6	=	300	Sft		
	ver	2	x	30	x	9 3/8	=	563	Sft		
	ver	1	x	50	x	9 3/8	=	469	Sft		
	lav	2	x	10-3/8	x	9 3/8	=	195	Sft		

	w.c		4	x	5	x	4 1/2			=	90	Sft	
	bath		4	x	9-1/2	x	5			=	190	Sft	
									Total	=	**4978**	**Sft**	
								@	1667.75		%.Sft		**83016**
28	Preparing surface and painting with enamel paint:- (2 coats on old surface after scraping)												
	1	x	2	x(	11-1/4	x	9 1/3	)x	11 1/2	=	473	Sft	
	1	x	2	x(	11-1/4	x	19.938	)x	11 1/2	=	717	Sft	
	1	x	2	x(	11-7/16	x	13 3/4	)x	11 1/2	=	579	Sft	
	1	x	2	x(	19-15/16	x	20 1/8	)x	11 1/2	=	921	Sft	
	1	x	2	x(	34	x	9 1/3	)x	8	=	693	Sft	
	2	x	2	x(	9-5/16	x	5 4/9	)x	11 1/2	=	679	Sft	
	1	x	2	x(	19-1/4	x	24 3/8	)x	6	=	524	Sft	
	1	x	2	x(	13-15/16	x	20-1/8	)x	11 1/2	=	783	Sft	
	1	x	2	x(	11-7/16	x	13-3/4	)x	11 1/2	=	579	Sft	
	1	x	2	x(	7-3/16	x	9-5/18	)x	11 1/2	=	379	Sft	
	1	x	2	x(	15-11/16	x	9-5/16	)x	11 1/2	=	575	Sft	
	1	x	2	x(	6-3/16	x	7-3/8	)x	11 1/2	=	312	Sft	
	1	x	2	x(	11-7/16	x	11-17/59	)x	11 1/2	=	523	Sft	
	1	x	2	x(	15-17/24	x	19-15/16	)x	11 1/2	=	820	Sft	
	1	x	2	x(	23	x	11 1/4	)x	6	=	411	Sft	
	1	x	2	x(	50	x	6	)x	6	=	672	Sft	
	2	x	2	x(	30	x	9 3/8	)x	11 1/2	=	1811	Sft	
	1	x	2	x(	50	x	9 3/8	)x	11 1/2	=	1366	Sft	
	2	x	2	x(	10-3/8	x	9 3/8	)x	11 1/2	=	909	Sft	
									Total	=	**13725**	**Sft**	
								@	2796.55		%.Sft		**383836**
29	1/2" thick cement plaster 1:4												
	5	x	2	(	30	+	5	)	2	=	700	Sft	
			4	x	10	x	7			=	280	Sft	
									Total	=	**980**	**Sft**	
								@	3241.60		%Sft		**31768**
30	Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge												
			8 x		5	x	12			=	480	Sft	
			20 x		4	x	2			=	160	Sft	
									Total	=	**640**	**Sft**	
	NON SCHEDULE							@	1060.00		P.Sft		**678400**
31	Dismantling 2nd class tile roofing.												
			1 x		78	x	87			=	6786	Sft	
									Total	=	**6786**	**Sft**	
								@	1,269.85		%Sft		**86172**
32	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick												
			1 x		78	x	87			=	6786	Sft	
									Total	=	**6786**	**Sft**	
								@	90.75		P.Sft		**615830**
33	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect. b) 1-1/2" thick												
			1 x		78	x	87			=	6786	Sft	
									Total	=	**6786**	**Sft**	
								@	9,459.55		%Sft		**641925**
i	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.												
			1 x		10	x	14			=	140	Rft	
									Total	=	**140**	Rft	
								@	325.95		P.Rft		**45633**
ii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting												
			1	x	10					=	10	No	
									Total	=	**10**	**No**	
								@	887.40		Each		**8874**

iii Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.

	1	x	10			=	10	No
					Total	=	**10**	**No**
				@	469.95		Each	**4700**

34 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.

	1	x	78	x	87	=	6786	Sft
					Total	=	**6786**	**Sft**
				@	7400.85		%Sft	**502222**

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

	1	x	8			=	8	No
					Total	=	**8**	**No**
				@	854.35		Each	**6835**

	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C									
36	Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge									
		1 x	20	x	5		=	100	Rft	
						Total	=	**100**	Rft	
	NON SCHEDULE				@	580.00		P.Rft		**58000**
37	Provision Of Sanitory Fittings							6700	Sft	
					@	120.00		P.Sft		**804000**
38	Provision Of internal Electric Fittings							6700	Sft	
	Replace switches and board				@	114.00		P.Sft		**763800**
								Total		**7990799**

Credit of Old Material

1	Old damaged door									
			1	x	17		=	17	No	
						Total	=	**17**	**No**	
					@	2000.00		Each		**34000**
2	Old damaged Mild Steel window									
			1	x	8		=	8	No	
						Total	=	**8**	**No**	
					@	1500.00		Each		**12000**
3	Old tiles							SFT		
	1 x 6786 x 0.7		x	3.5	=	16626	**Nos**			
	Total				=	**16626**	**Nos**			
		@	**Rs.**		**3,000.00**		**%0Nos**		**Rs.**	**49877**
4	Brick Bats									
	1 x 6786 x 0.3		x	0.13	=	254	**Cft**			
	Total				=	**254**	**Cft**			
		@	**Rs.**		**2,000.00**		**%Cft**		**Rs.**	**5090**
5	Old damaged Stair Railing									
			1	x	32		=	32	Rft	
						Total	=	**32**	Rft	
					@	250.00		P.RFt		**8000**
								Total		**108967**

Net Total	=	**7990799**	**(-)**	**108967**	=		**7881833**
add 3% Contigency							236455
						Total	**8118288**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF EYE OT FIRST FLOOR

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

			1	x	6			=	6	No.
							Total	=	**6**	**No.**
						@	438.00		Each	**2628**

2 Petty repair to main room

			1	x	20			=	20	No.
							Total	=	**20**	**No.**
						@	1116.65		Each	**22333**

3 Petty repair to small room

			1	x	10			=	10	No.
							Total	=	**10**	**No.**
						@	558.25		Each	**5583**

4 Dismantling Glazed Or encaustic tile

2	x	2	x(	20-1/2	x	16	)x	5	=	730	Sft		
2	x	2	x(	5	x	6	)x	5	=	220	Sft		
								Total	=	**950**	Sft		
							@	2335.85		%sft			**22191**

5 Dismantling cement concrete 1:2:4 plain.

corridor	2	x	66	x	7	x	1/8	=	116	**Cft**	
M.operation	2	x	20-1/2	x	16	x	1/8	=	82	**Cft**	
ward	1	x	20-1/2	x	20 1/2	x	1/8	=	53	**Cft**	
DR ROM	1	x	12	x	8 1/2	x	1/8	=	13	**Cft**	
store	2	x	8	x	8	x	1/8	=	16	**Cft**	
ward	1	x	20	x	12	x	1/8	=	30	**Cft**	
store	2	x	30-1/2	x	16	x	1/8	=	122	**Cft**	
w.c	2	x	5	x	6	x	1/8	=	8	**Cft**	
							Total	=	**438**	**Cft**	
						@	9284.40		%Cft		**40692**

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

corridor	2	x	66	x	7	x	1/8	=	116	**Cft**
M.operation	2	x	20-1/2	x	16	x	1/8	=	82	**Cft**
ward	1	x	20-1/2	x	20 1/2	x	1/8	=	53	**Cft**
DR ROM	1	x	12	x	8 1/2	x	1/8	=	13	**Cft**
store	2	x	8	x	8	x	1/8	=	16	**Cft**
ward	1	x	20	x	12	x	1/8	=	30	**Cft**
w.c	2	x	5	x	6	x	1/8	=	8	**Cft**
store	1	x	30-1/2	x	16	x	1/8	=	61	**Cft**

								Total	=	**377**	**Cft**
							@	38126.10		%Cft	**143843**
7	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm										
corridor		2	x	66	x	7			=	924	Sft
ward		1	x	20-1/2	x	20 1/2			=	420	Sft
DR ROM		1	x	12	x	8 1/2			=	102	Sft
ward		1	x	20	x	12			=	240	Sft
w.c		2	x	5	x	6			=	60	Sft
STORE		2	x	8	x	8			=	128	sft
STORE		1	x	30-1/2	x	16			=	488	sft
								Total	=	**2362**	**Sft**
							@	340.50		P.Sft	**804346**
9	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm										
2	x	2	x(	66	x	7	)x	6	=	1752	Sft
1	x	2	x(	20-1/2	x	20 1/2	)x	6	=	492	Sft
1	x	2	x(	12	x	8 1/2	)x	4	=	164	Sft
2	x	2	x(	20	x	12	)x	4	=	512	Sft
2	x	2	x(	8	+	8	)x	1/2	=	32	Sft
1	x	2	x(	30-1/2	+	16	)x	1/2	=	47	Sft
								Total	=	**2999**	**Sft**
		6	x	4	x	6			=	144	Sft
		4	x	3-1/2	x	4			=	56	Sft
								Total	=	**200**	**Sft**
								N.Total	=	**2799**	**Sft**
							@	340.50		P.Sft	**952889**
i	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm										
2	x	2	x(	5	x	6	)x	7	=	308	Sft
								Total	=	**308**	**Sft**
		2	x	2-1/2	x	7			=	35	Sft
								Total	=	**35**	**Sft**

							N.Total	=	**273**	**Sft**	
						@	292.65		P.Sft		**79893**
12	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge										
		2	x	2-1/2	x	7		=	35	Sft	
							Total	=	**35**	**Sft**	
	NON SCHEDULE						@ 880.00		P.Sft		**30800**
13	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat										
	vanity shelf	2	x	4	x	2		=	16	Sft	
							Total	=	**16**	**Sft**	
							@ 1231.30		P.Sft		**19701**
14	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.										
	ENTRANCE	2	x	7	x	12		=	168	Sft	
	store	2	x	3-3/4	x	6-7/8		=	52	Sft	
							Total	=	**220**	**Sft**	
							@ 502.20		P.Sft		**110484**
16	Dismantling brick work in lime or cement mortar.										
	bench	2	x	14	x	2	x 2	=	112	Cft	
							Total	=	**112**	**Cft**	
							@ 38126.10		%Cft		**42701**
17	Dismantling false ceiling comprising of 5/8" thick plaster of paris sheet complete										
	OT	2	x	20-1/2	x	16		=	656	Sft	
							Total	=	**656**	**Sft**	
							@ 10.00		P.Sft		**6560**

18	Supply and instalation of clip-in tile of specified thickness non porus aluminum false ceiling of specified size fitted with clip-in suspension system hanged on consealed T/Shiplap edge/runners@500 mm c/c i/c cutting charges of tiles to required size suspension rod and joints sealed with silicon if required DAMPA/Denmark as Complete In All Respect And As Approved By The Engineer Incharge b) Beveled edges & flanges 21.5 mm c) 600 mmX 600 mm										
	OT	2	x	20-1/2	x	16			=	656	Sft
							Total		**=**	**656**	**Sft**
	Non Schedule						@	550.00		P.Sft	**360800**
19	Supply and instalation anti micorbial Hygenic flooring(with anti bacterial agent) confrming t (oIS :22196) of specified thickness duly welded with thermoplastic equipment placed over self leveling adhesive as Approved By The Engineer Incharge a) Cementitius Urethane b)Epxy C)Plyurethane d)Urethane										
	OT	2	x	20-1/2	x	16			=	656	Sft
							Total		**=**	**656**	**Sft**
	Non Schedule						@	450.00		P.Sft	**295200**
20	Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.										
		1	x	10					=	10	No
							Total		**=**	**10**	**No**
	NON SCHEDULE						@	14800.00		Each	**148000**
21	Supply and instalation premium graded/scratch-resistant Hygienic anti-micrbial Pvc wall cladding confrming t (oIS :22196) of specified thickness duly welded with thermoplastic equipment placed over 12 mm thick gypsum board with adhesive/solvent fixed over 14 swg G.I Chanel of size 3.5"x2"x3.5" duly screwed on wall i/c the cost of hardware as approved by the Engineer Incharge. b) 2.5 mm thick										
	2	x	2	x(	20-1/2	+	16	)x	11	=	1606	Sft
								Total		**=**	**1606**	**Sft**
	Non Schedule							@	1890.00		P.Sft	**3035340**
22	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:(ONE coat)										
	1	x	2	(	100	+	78	)	35	=	12460	Sft
								Total		**=**	**12460**	**Sft**
	Dedution										
		20	x	6	x	6				=	720	Sft

		10	x	3	x	3			=	90	Sft	
								Total	=	**810**	**Sft**	
								N.Total	=	**11650**	**Sft**	
							@	3319.85		P.Sft		**386763**
23	Painting door and windows 2 coats G.F											
	D	1	x	4 1/2	x	8 1/2			=	38	Sft	
	D	40	x	4	x	8 1/2			=	1360	Sft	
		2	x	3	x	8 1/2			=	51	Sft	
	w	24	x	4	x	6			=	576	Sft	
	c.w	3	x	4	x	7			=	84	Sft	
	c.w	3	x	3	x	7			=	63	Sft	
								Total	=	**2172**	**Sft**	
							@	1667.55		%.Sft		**36219**
24	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long											
		1	x	6					=	6	No	
								Total	=	**6**	**No**	
							@	926.00		Each		**5556**
25	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.											
	w	3	x	2	x	2			=	12	Sft	
	w	1	x	16	x	9			=	144	Sft	
								Total	=	**156**	**Sft**	
							@	171.30		P.Sft		**26723**
26	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.											
	w	4	x	2	x	2			=	16	Sft	
								Total	=	**16**	**Sft**	
							@	112.85		P.Sft		**1806**
27	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)											
	corridor	2	x	66	x	7			=	924	Sft	
	ofc	1	x	12	x	8 1/2			=	102	Sft	
	store	2	x	8	x	8			=	128	Sft	
	store	1	x	30-1/2	x	16			=	488	Sft	
	toilet	2	x	5	x	6			=	60	Sft	
	WARD	1	x	20-1/2	x	20 1/2			=	420	sft	
		1	x	20	x	12			=	240	sft	
								Total	=	**2362**	**Sft**	

								@	1667.75		%.Sft	**39392**
28	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)											
	2	x	2	x(	66	+	7	)x	6	=	1752	Sft
	1	x	2	x(	12	+	8 1/2	)x	8	=	328	Sft
	2	x	2	x(	8	+	8	)x	8	=	512	Sft
	1	x	2	x(	30-1/2	+	16	)x	8	=	744	Sft
	1	x	2	x(	20-1/2	+	20 1/2	)x	6	=	492	Sft
	1	x	2	x(	20	+	12	)x	6	=	384	Sft
									Total	=	**4212**	**Sft**
								@	2796.55		%.Sft	**117791**
32	Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge											
		10	x	4	x	2				=	80	Sft
									Total	=	**80**	**Sft**
	NON SCHEDULE							@	1060.00		P.Sft	**84800**
I	Dismantling 2nd class tile roofing.											
		1	x	70	x	45				=	3150	Sft
									Total	=	**3150**	**Sft**
								@	1,269.85		%Sft	**40000**
ii	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick											
		1	x	70	x	45				=	3150	Sft
									Total	=	**3150**	**Sft**
								@	90.75		P.Sft	**285863**
iii	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect. b) 1-1/2" thick											
		1	x	70	x	45				=	3150	Sft
									Total	=	**3150**	**Sft**
								@	9,459.55		%Sft	**297976**
iv	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.											
		1	x	70	x	45				=	3150	Sft
									Total	=	**3150**	**Sft**

					@	7400.85		%Sft	**233127**
33	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
	1	x	10				=	10	No
						Total	=	**10**	**No**
					@	854.35		Each	**8544**
i	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.								
	1	x	10	x	26		=	260	Rft
						Total	=	**260**	Rft
					@	325.95		P.Rft	**84747**
ii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting								
	1	x	10				=	10	No
						Total	=	**10**	**No**
					@	887.40		Each	**8874**
iii	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
	2	x	10				=	20	No
						Total	=	**20**	**No**
					@	469.95		Each	**9399**
34	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge								
	1	x	15	x	5		=	75	Rft
						Total	=	**75**	Rft
	NON SCHEDULE				@	580.00		P.Rft	**43500**
35	Provision Of Sanitory Fittings							3150	Sft
					@	120.00		P.Sft	**378000**
36	Provision Of internal Electric Fittings							3150	Sft
	Replace switches and board				@	114.00		P.Sft	**359100**
								Total	**8572161**

Credit of Old Material

1 Old damaged door

					1	x	6		=	6	No
								Total	**=**	**6**	**No**
								@ 2000.00		Each	**12000**

2 Old tiles

1	x	3150	x	0.7	x	3.5	=	7718	**Nos**		
			Total				=	7718	**Nos**		
				@	**Rs.**		**3,000.00**		**%0Nos**	**Rs.**	**23153**

3 Brick Bats

1	x	3150	x	0.3	x	0.13	=	118	**Cft**		
			Total				=	**118**	**Cft**		
				@	**Rs.**		**2,000.00**		**%Cft**	**Rs.**	**2363**
										Total	**37515**

Net Total	**=**	**8572161**	**(-)**	**37515**	**=**	**8534646**

add 3% Contigency 256039

Total **8790686**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF SURGICAL UNIT III ".(FIRST FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	16			=	16	No.	
					Total	=	**16**	**No.**	
				@	438.00		Each		**7008**

2 Removing windows and sky lights with chowkat.

	1	x	20			=	20	No.	
					Total	=	**20**	**No.**	
				@	341.50		Each		**6830**

3 Petty repair to main room

	1	x	8			=	8	No.	
					Total	=	**8**	**No.**	
				@	1116.65		Each		**8933**

4 Petty repair to small room

	1	x	4			=	4	No.	
					Total	=	**4**	**No.**	
				@	558.25		Each		**2233**

5 Dismantling Glazed Or encaustic tile

w.c	4	x	2	(	3-1/2	+	6 1/4	)	5	=	219	Sft
	2	x	2	(	3-1/2	+	5 1/4	)	5	=	184	Sft
	3	x	2	(	5-1/4	+	6 3/8	)	5	=	335	Sft
									Total	=	**738**	Sft
								@	2335.85		%sft	**17239**

6 Dismantling cement concrete 1:2:4 plain.

Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft	
nursing station	1	x	16	x	11	x	1/8	=	22	Cft	
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft	
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft	
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft	
	1	x	21	x	7	x	1/8	=	18	Cft	
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft	
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft	
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft	
ver	1	x	98	x	7	x	1/8	=	86	Cft	
ver	1	x	98	x	9	x	1/8	=	110	Cft	
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft	
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft	
							Total	=	**656**	**Cft**	

							@	11174.60	%Cft		**73266**
7	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):										
Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft	
nursing station	1	x	16	x	11	x	1/8	=	22	Cft	
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft	
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft	
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft	
	1	x	21	x	7	x	1/8	=	18	Cft	
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft	
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft	
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft	
ver	1	x	98	x	7	x	1/8	=	86	Cft	
ver	1	x	98	x	9	x	1/8	=	110	Cft	
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft	
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft	
							Total	=	**656**	**Cft**	
							@	38126.10	%Cft		**249973**
8	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm										
Dr.Rom	1	x	11-1/2	x	11 5/6			=	136	sft	
Obs. Bed	1	x	7-5/24	x	11 4/9			=	82	sft	
Nursery	1	x	11 4/9	x	11 4/9			=	131	sft	
coridor	1	x	64-21/50	x	7			=	451	sft	
	1	x	21	x	7			=	147	sft	
Formula	1	x	7-5/24	x	11 4/9			=	82	sft	
Ward	1	x	62-1/4	x	33 1/6			=	2064	sft	
toilet	4	x	3-1/2	x	6 1/4			=	88	sft	
bed	1	x	7-3/8	x	13			=	95	sft	
ver	1	x	98	x	7			=	686	sft	
ver	1	x	98	x	9			=	882	sft	
toilet	2	x	3-1/2	x	5 1/4			=	37	sft	
bath	3	x	5-1/4	x	6 3/8			=	100	sft	
nursing station	1	x	16	x	11			=	176	sft	
Labor rom	1	x	7-5/8	x	11 4/9			=	87	sft	
							Total	=	**5244**	**Sft**	

								@	340.50		P.Sft	**1785582**
10	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm											
	1	x	2	x(	11-1/2	+	11 5/6	)x	4	=	187	Sft
	1	x	2	x(	7-5/24	+	11 4/9	)x	4	=	149	Sft
	1	x	2	x(	11 4/9	+	11 4/9	)x	4	=	183	Sft
	1	x	2	x(	64-21/50	+	7	)x	4	=	571	Sft
	1	x	2	x(	21	+	7	)x	4	=	224	Sft
	1	x	2	x(	7-5/24	+	11 4/9	)x	6	=	224	Sft
	1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft
	1	x	2	x(	7-3/8	+	13	)x	6	=	244	Sft
	1	x	2	x(	98	+	7	)x	4	=	840	Sft
	1	x	2	x(	98	+	9	)x	4	=	856	Sft
	1	x	2	x(	16	+	11	)x	4	=	216	Sft
									Total	**=**	**4839**	**Sft**
			10	x	3-1/2	x	6			=	210	Sft
			5	x	3-1/2	x	4			=	70	Sft
									Total	**=**	**280**	**Sft**
									N.Total	**=**	**4559**	**Sft**
								@	340.50		P.Sft	**1552196**
i	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm											
	4	x	2	x(	3-1/2	+	6 1/4	)x	7	=	546	Sft
	2	x	2	x(	3-1/2	+	5 1/4	)x	7	=	245	Sft
	3	x	2	x(	5-1/4	+	6 3/8	)x	7	=	488	Sft
									Total	**=**	**1279**	**Sft**
			2	x	3-1/2	x	7			=	49	Sft
			9	x	2-1/2	x	7			=	158	Sft
									Total	**=**	**207**	**Sft**
									N.Total	**=**	**1072**	**Sft**
								@	292.65		P.Sft	**313794**
14	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat											
	vanity shelf		2	x	8	x	2			=	32	Sft

						Total	=	**32**	**Sft**	
					@	1231.30		P.Sft		**39402**
15	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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	7	x	12		=	168	Sft
		4	x	3	x	6-7/8		=	83	Sft
						Total	=	**251**	**Sft**	
					@	502.20		P.Sft		**126052**
16	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge									
		9	x	2-1/2	x	7		=	158	Sft
		1	x	3-1/2	x	7		=	25	Sft
						Total	=	**183**	**Sft**	
	NON SCHEDULE					@	880.00		P.Sft	**161040**
18	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED gla with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.									
	ward	4	x	11	x	7-1/2		=	330	Sft
						Total	=	**330**	**Sft**	
					@	1437.60		P.Sft		**474408**
19	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick									
	w1	20	x	6	x	6		=	720	Sft
						Total	=	**720**	**Sft**	
					@	1348.40		P.Sft		**970848**

20	Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.										
	w1	1/2	20	x	6	x	6		=	360	Sft
							Total		**=**	**360**	**Sft**
								@ 493.05		P.Sft	**177498**
21	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										
	w1		20	x	6	x	6		=	720	Sft
							Total		**=**	**720**	**Sft**
								@ 854.70		P.Sft	**615384**
22	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:(One coat)										
	1	x	2	(	33	+	111	) 16	=	4608	Sft
							Total		**=**	**4608**	**Sft**
	Dedution										
			18	x	6	x	6		=	648	Sft
			2	x	3	x	3		=	18	Sft
							Total		**=**	**666**	**Sft**
							N.Total		**=**	**3942**	**Sft**
								@ 3319.85		P.Sft	**130868**
23	Painting door and windows 2 coats G.F										
	D		1	x	4 1/2	x	8 1/2		=	38	Sft
	D		12	x	4	x	8 1/2		=	408	Sft
			2	x	3	x	8 1/2		=	51	Sft
	W		10	x	8	x	7		=	560	Sft
			12	x	8	x	8		=	768	Sft
	c.w		3	x	4	x	7		=	84	Sft
	c.w		3	x	3	x	7		=	63	Sft
							Total		**=**	**1972**	**Sft**
								@ 1667.55		%.Sft	**32884**
24	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long										
			2	x	4				=	8	No

								Total	=	**8**	**No**
							@	926.00		Each	**7408**
25	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.										
	w	10	x	2	x	2			=	40	Sft
								Total	=	**40**	**Sft**
							@	171.30		P.Sft	**6852**
26	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.										
	w	12	x	2	x	2			=	48	Sft
								Total	=	**48**	**Sft**
							@	112.85		P.Sft	**5417**
27	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)										
	Dr.Rom	1	x	11-1/2	x	11 5/6			=	136	sft
	nursing station	1	x	16	x	11			=	176	sft
	coridor	1	x	64-21/50	x	7			=	451	sft
		1	x	21	x	7			=	147	sft
	toilet	4	x	3-1/2	x	6 1/4			=	88	sft
	ver	1	x	98	x	7			=	686	sft
	ver	1	x	98	x	9			=	882	sft
	toilet	2	x	3-1/2	x	5 1/4			=	37	sft
	bath	3	x	5-1/4	x	6 3/8			=	100	sft
	Labor rom	1	x	7-5/8	x	11 4/9			=	87	sft
	Obs. Bed	1	x	7-5/24	x	11 4/9			=	82	sft
	Nursery	1	x	11 4/9	x	11 4/9			=	131	sft
	Formula	1	x	7-5/24	x	11 4/9			=	82	sft
	Ward	1	x	62-1/4	x	33 1/6			=	2064	sft
	bed	1	x	7-3/8	x	13			=	95	sft
								Total	=	**5244**	**Sft**
							@	1667.75		%.Sft	**87457**
28	Preparing surface and painting with enemal paint:-(2 coats on old surface after scraping)										
	1	x	2	x(	11-1/2	+	11 5/6	)x	8	=	373	Sft
	1	x	2	x(	16	+	11	)x	8	=	432	Sft
	1	x	2	x(	64-21/50	+	7	)x	6	=	857	Sft
	1	x	2	x(	21	+	7	)x	6	=	336	Sft
	1	x	2	x(	98	+	7	)x	8	=	1680	Sft
	1	x	2	x(	98	+	9	)x	8	=	1712	Sft
	1	x	2	x(	7-5/8	+	11 4/9	)x	8	=	305	Sft
	1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft
	1	x	2	x(	11 4/9	+	11 4/9	)x	8	=	366	Sft

	1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft
	1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft
	1	x	2	x(	7-3/8	+	13	)x	8	=	325	Sft
			D/D OPENING									
	2	x	24	x(	3-1/2	+	0	)x	4	=	-672	Sft
									Total	**=**	**7456**	**Sft**
								@	2796.55		%.Sft	**208508**
29	1/2" thick cement plaster 1:4											
	5	x	2	(	30	+	20	)	2	=	1000	Sft
			4	x	10	x	7			=	280	Sft
									Total	**=**	**1280**	**Sft**
								@	3241.60		%Sft	**41492**
30	Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge											
			4 x	5	x	12				=	240	Sft
			10 x	3 1/2	x	4				=	140	Sft
									Total	**=**	**380**	**Sft**
	NON SCHEDULE							@	1060.00		P.Sft	**402800**
31	Dismantling 2nd class tile roofing.											
			1 x	32 1/2	x	61				=	1983	Sft
									Total	**=**	**1983**	**Sft**
								@	1,269.85		%Sft	**25175**
32	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick											
			1 x	32 1/2	x	61				=	1983	Sft
									Total	**=**	**1983**	**Sft**
								@	90.75		P.Sft	**179912**
33	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect. b) 1-1/2" thick											
			1 x	32 1/2	x	61				=	1983	Sft
									Total	**=**	**1983**	**Sft**
								@	9,459.55		%Sft	**187536**

34	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.							
	1 x	32 1/2	x	61		=	1983	Sft	
					Total	**=**	**1983**	**Sft**	
				@	7400.85		%Sft		**146722**
35	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
	1	x	6			=	6	No	
					Total	**=**	**6**	**No**	
				@	854.35		Each		**5126**
i	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.								
	1 x	6	x	26		=	156	Rft	
					Total	**=**	**156**	Rft	
				@	325.95		P.Rft		**50848**
ii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting								
	1	x	6			=	6	No	
					Total	**=**	**6**	**No**	
				@	887.40		Each		**5324**
iii	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
	2	x	6			=	12	No	
					Total	**=**	**12**	**No**	
				@	469.95		Each		**5639**
36	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge								
	1 x	50	x	5		=	250	Rft	
					Total	**=**	**250**	Rft	
	NON SCHEDULE			@	580.00		P.Rft		**145000**
37	Provision Of Sanitory Fittings						3663	Sft	
				@	120.00		P.Sft		**439560**
38	Provision Of internal Electric Fittings						3663	Sft	
	Replace switches and board			@	114.00		P.Sft		**417582**
							Total		**9113796**

Credit of Old Material

1 Old damaged door

				1	x	16			= 16	No
							Total	=	**16**	**No**
						@	2000.00		Each	**32000**

2 Old damaged Mild Steel window

				1	x	20			= 20	No
							Total	=	**20**	**No**
						@	1500.00		Each	**30000**

3 Old tiles SFT

1	x	1983	x	0.7	x	3.5	=	4857	**Nos**	
		Total					=	**4857**	**Nos**	
			@	**Rs.**		**3,000.00**		**%0Nos**		**Rs. 14571**

4 Brick Bats

1	x	1983	x	0.30	x	0.125	=	74	**Cft**	
		Total					=	**74**	**Cft**	
			@	**Rs.**		**2,000.00**		**%Cft**		**Rs. 1487**

Total **78058**

Net Total	=	**9113796**	**(-)**	**78058**	=		**9035738**

add 3% Contigency 271072

Total **9306810**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF OLD ORTHO BLOCK".(GROUND FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	16			=	16	No.	
					Total	=	**16**	**No.**	
				@	438.00		Each		**7008**

2 Removing windows and sky lights with chowkat.

	1	x	20			=	20	No.	
					Total	=	**20**	**No.**	
				@	341.50		Each		**6830**

3 Petty repair to main room

	1	x	8			=	8	No.	
					Total	=	**8**	**No.**	
				@	1116.65		Each		**8933**

4 Petty repair to small room

	1	x	4			=	4	No.	
					Total	=	**4**	**No.**	
				@	558.25		Each		**2233**

5 Dismantling Glazed Or encaustic tile

w.c	4	x	2	(	3-1/2	+	6 1/4	)	5	=	219	Sft
	2	x	2	(	3-1/2	+	5 1/4	)	5	=	184	Sft
	3	x	2	(	5-1/4	+	6 3/8	)	5	=	335	Sft
									Total	=	**738**	Sft
								@	2335.85		%sft	**17239**

6 Dismantling cement concrete 1:2:4 plain.

Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft	
nursing station	1	x	16	x	11	x	1/8	=	22	Cft	
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft	
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft	
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft	
	1	x	21	x	7	x	1/8	=	18	Cft	
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft	
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft	
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft	
ver	1	x	98	x	7	x	1/8	=	86	Cft	
ver	1	x	98	x	9	x	1/8	=	110	Cft	
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft	
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft	
							Total	=	**656**	**Cft**	
						@	11174.60		%Cft		**73266**

7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):

Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft
nursing station	1	x	16	x	11	x	1/8	=	22	Cft
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft
	1	x	21	x	7	x	1/8	=	18	Cft
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft
ver	1	x	98	x	7	x	1/8	=	86	Cft
ver	1	x	98	x	9	x	1/8	=	110	Cft
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft
							Total	=	**656**	**Cft**
						@	38126.10		%Cft	**249973**

8 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

Dr.Rom	1	x	11-1/2	x	11 5/6		=	136	sft
Obs. Bed	1	x	7-5/24	x	11 4/9		=	82	sft
Nursery	1	x	11 4/9	x	11 4/9		=	131	sft
coridor	1	x	64-21/50	x	7		=	451	sft
	1	x	21	x	7		=	147	sft
Formula	1	x	7-5/24	x	11 4/9		=	82	sft
Ward	1	x	62-1/4	x	33 1/6		=	2064	sft
toilet	4	x	3-1/2	x	6 1/4		=	88	sft
bed	1	x	7-3/8	x	13		=	95	sft
ver	1	x	98	x	7		=	686	sft
ver	1	x	98	x	9		=	882	sft
toilet	2	x	3-1/2	x	5 1/4		=	37	sft
bath	3	x	5-1/4	x	6 3/8		=	100	sft
nursing station	1	x	16	x	11		=	176	sft
Labor rom	1	x	7-5/8	x	11 4/9		=	87	sft
						Total	=	**5244**	**Sft**
						@ 340.50		P.Sft	**1785582**

Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ bond over 1/2" thick (1:2)
10 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 (i) 600 mmX600 mm

1	x	2	x(	11-1/2	+	11 5/6	)x	4	=	187	Sft	
1	x	2	x(	7-5/24	+	11 4/9	)x	4	=	149	Sft	
1	x	2	x(	11 4/9	+	11 4/9	)x	4	=	183	Sft	
1	x	2	x(	64-21/50	+	7	)x	4	=	571	Sft	
1	x	2	x(	21	+	7	)x	4	=	224	Sft	
1	x	2	x(	7-5/24	+	11 4/9	)x	6	=	224	Sft	
1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft	
1	x	2	x(	7-3/8	+	13	)x	6	=	244	Sft	
1	x	2	x(	98	+	7	)x	4	=	840	Sft	
1	x	2	x(	98	+	9	)x	4	=	856	Sft	
1	x	2	x(	16	+	11	)x	4	=	216	Sft	
								Total	**=**	**4839**	**Sft**	
		10	x	3-1/2	x	4			=	140	Sft	
								Total	**=**	**140**	**Sft**	
								N.Total	**=**	**4699**	**Sft**	
							@	340.50		P.Sft		**1599866**

Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ bond over 1/2" thick (1:2)
10 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 (i) 400 mmX400 mm

4	x	2	x(	3-1/2	+	6 1/4	)x	7	=	546	Sft	
2	x	2	x(	3-1/2	+	5 1/4	)x	7	=	245	Sft	
3	x	2	x(	5-1/4	+	6 3/8	)x	7	=	488	Sft	
								Total	**=**	**1279**	**Sft**	
		2	x	3-1/2	x	7			=	49	Sft	
		9	x	2-1/2	x	7			=	158	Sft	
								Total	**=**	**207**	**Sft**	
								N.Total	**=**	**1072**	**Sft**	
							@	292.65		P.Sft		**313794**

Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture
14 (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat

vanity shelf		2	x	8	x	2			=	32	Sft	
								Total	**=**	**32**	**Sft**	
							@	1231.30		P.Sft		**39402**

15 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.

	4	x	3	x	6-7/8		=	83	Sft
					Total		**=**	**83**	**Sft**
						@ 502.20		P.Sft	**41683**

16 Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge

	9	x	2-1/2	x	7		=	158	Sft
	1	x	3-1/2	x	7		=	25	Sft
					Total		**=**	**183**	**Sft**
NON SCHEDULE						@ 880.00		P.Sft	**161040**

17 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-cha rge.

m.dr	2	x	7	x	12		=	168	Sft
					Total		**=**	**168**	**Sft**
						@ 1437.60		P.Sft	**241517**

18 Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED gla with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.

ward	4	x	11	x	7-1/2		=	330	Sft
					Total		**=**	**330**	**Sft**
						@ 1437.60		P.Sft	**474408**

19 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick

w1		20	x	6	x	6			=	720	Sft
							Total	=	**720**	**Sft**	
							@	1348.40	P.Sft		**970848**

20 Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.

w1	1/2	20	x	6	x	6			=	360	Sft
							Total	=	**360**	**Sft**	
							@	493.05	P.Sft		**177498**

21 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

w1		20	x	6	x	6			=	720	Sft
							Total	=	**720**	**Sft**	
							@	854.70	P.Sft		**615384**

22 Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:(One coat)

1	x	2	(	33	+	111	)	16	=	4608	Sft	
								Total	=	**4608**	**Sft**	
Dedution												
		18	x	6	x	6			=	648	Sft	
		2	x	3	x	3			=	18	Sft	
								Total	=	**666**	**Sft**	
								N.Total	=	**3942**	**Sft**	
								@ 3319.85	P.Sft			**130868**

23 Painting door and windows 2 coats G.F

D	1	x	4 1/2	x	8 1/2	=	38	Sft
D	12	x	4	x	8 1/2	=	408	Sft
	2	x	3	x	8 1/2	=	51	Sft
W	10	x	8	x	7	=	560	Sft

		12	x	8	x	8			=	768	Sft	
	c.w	3	x	4	x	7			=	84	Sft	
	c.w	3	x	3	x	7			=	63	Sft	
								Total	**=**	**1972**	**Sft**	
							@	1667.55		%.Sft		**32884**
24	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long											
		2	x	4					=	8	No	
								Total	**=**	**8**	**No**	
							@	926.00		Each		**7408**
26	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.											
	w	12	x	2	x	2			=	48	Sft	
								Total	**=**	**48**	**Sft**	
							@	112.85		P.Sft		**5417**
27	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)											
	Dr.Rom	1	x	11-1/2	x	11 5/6			=	136	sft	
	nursing station	1	x	16	x	11			=	176	sft	
	coridor	1	x	64-21/50	x	7			=	451	sft	
		1	x	21	x	7			=	147	sft	
	toilet	4	x	3-1/2	x	6 1/4			=	88	sft	
	ver	1	x	98	x	7			=	686	sft	
	ver	1	x	98	x	9			=	882	sft	
	toilet	2	x	3-1/2	x	5 1/4			=	37	sft	
	bath	3	x	5-1/4	x	6 3/8			=	100	sft	
	Labor rom	1	x	7-5/8	x	11 4/9			=	87	sft	
	Obs. Bed	1	x	7-5/24	x	11 4/9			=	82	sft	
	Nursery	1	x	11 4/9	x	11 4/9			=	131	sft	
	Formula	1	x	7-5/24	x	11 4/9			=	82	sft	
	Ward	1	x	62-1/4	x	33 1/6			=	2064	sft	
	bed	1	x	7-3/8	x	13			=	95	sft	
								Total	**=**	**5244**	**Sft**	
							@	1667.75		%.Sft		**87457**
28	Preparing surface and painting with emulsin paint:-(2 coats on old surface after scraping)											
	1	x	2	x(	11-1/2	+	11 5/6	)x	8	=	373	Sft
	1	x	2	x(	16	+	11	)x	8	=	432	Sft
	1	x	2	x(	64-21/50	+	7	)x	6	=	857	Sft
	1	x	2	x(	21	+	7	)x	6	=	336	Sft
	1	x	2	x(	98	+	7	)x	8	=	1680	Sft
	1	x	2	x(	98	+	9	)x	8	=	1712	Sft
	1	x	2	x(	7-5/8	+	11 4/9	)x	8	=	305	Sft
	1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft
	1	x	2	x(	11 4/9	+	11 4/9	)x	8	=	366	Sft
	1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft

	1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft		
	1	x	2	x(	7-3/8	+	13	)x	8	=	325	Sft		
		D/D openings												
	12	x	2	x(	3-1/2	+	0	)x	6	=	-504	Sft		
									Total	**=**	**7624**	**Sft**		
								@	2796.55		%.Sft			**213206**

29 1/2" thick cement plaster 1:4

	5	x	2	(	30	+	20	)	2	=	1000	Sft		
			4	x	10	x	7			=	280	Sft		
									Total	**=**	**1280**	**Sft**		
								@	3241.60		%Sft			**41492**

31 Dismantling 2nd class tile roofing.

		1 x	32 1/2	x	61					=	1983	Sft		
									Total	**=**	**1983**	**Sft**		
								@	1,269.85		%Sft			**25175**

32 Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick

		1 x	32 1/2	x	61					=	1983	Sft		
									Total	**=**	**1983**	**Sft**		
								@	90.75		P.Sft			**179912**

33 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect.
b) 1-1/2" thick

		1 x	32 1/2	x	61					=	1983	Sft		
									Total	**=**	**1983**	**Sft**		
								@	9,459.55		%Sft			**187536**

34 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.

		1 x	32 1/2	x	61					=	1983	Sft		
									Total	**=**	**1983**	**Sft**		
								@	7400.85		%Sft			**146722**

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

		1	x	6						=	6	No		
									Total	**=**	**6**	**No**		
								@	854.35		Each			**5126**

i	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.							
		1 x	6	x	14	=	84	Rft
				Total		**=**	**84**	Rft
				@	325.95		P.Rft	**27380**
ii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting							
		1	x 6			=	6	No
				Total		**=**	**6**	**No**
				@	887.40		Each	**5324**
iii	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.							
		2	x 6			=	12	No
				Total		**=**	**12**	**No**
				@	469.95		Each	**5639**
36	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge							
		1 x	20	x	5	=	100	Rft
				Total		**=**	**100**	Rft
	NON SCHEDULE			@	580.00		P.Rft	**58000**
37	Provision Of Sanitory Fittings						1983	Sft
				@	120.00		P.Sft	**237900**
38	Provision Of internal Electric Fittings						1983	Sft
	Replace switches and board			@	114.00		P.Sft	**226005**
							Total	**8409954**

Credit of Old Material

1 Old damaged door

				1	x	16		=	16	No
							Total	**=**	**16**	**No**
						@	2000.00		Each	**32000**

2 Old damaged Mild Steel window

				1	x	20		=	20	No
							Total	**=**	**20**	**No**
						@	1500.00		Each	**30000**

3 Old tiles

										SFT	
1	x	1983	x	0.7	x	3.5	=	4857	**Nos**		
		Total					**=**	**4857**	**Nos**		
			@	**Rs.**		**3,000.00**			**%0Nos**	**Rs.**	**14571**

4 Brick Bats

1	x	1983	x	0.30	x	0.125	=	74	**Cft**		
		Total					**=**	**74**	**Cft**		
			@	**Rs.**		**2,000.00**			**%Cft**	**Rs.**	**1487**
										Total	**78058**

Net Total	**=**	**8409954**	**(-)**	**78058**	**=**		**8331896**
add 3% Contigency							249957
						Total	**8581853**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF OLD EMERGENCY BLOCK".(GROUND FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	17			=	17	No.
					Total	=	**17**	**No.**
				@	438.00		Each	**7446**

2 Removing windows and sky lights with chowkat.

	1	x	28			=	28	No.
					Total	=	**28**	**No.**
				@	341.50		Each	**9562**

3 Petty repair to main room

	1	x	8			=	8	No.
					Total	=	**8**	**No.**
				@	1116.65		Each	**8933**

4 Petty repair to small room

	1	x	4			=	4	No.
					Total	=	**4**	**No.**
				@	558.25		Each	**2233**

5 Dismantling Glazed Or encaustic tile

bath	1	x	2	(	9	x	8.000	)	5	=	170	Sft
	1	x	2	(	9	x	8 1/6	)	5	=	172	Sft
	1	x	2	(	5-1/4	x	6	)	5	=	113	Sft
	1	x	2	(	9	x	5	)	5	=	140	Sft
	4	x	2	(	7	x	4	)	5	=	440	Sft
									Total	=	**1034**	**Cft**
								@	2335.85		%sft	**24155**

6 Dismantling cement concrete 1:2:4 plain.

Dr.Rom	3	x	13-44/53	x	9	x	1/8	=	47	Cft
CHECKUP	1	x	14-4/25	x	9 1/6	x	1/8	=	16	Cft
STORE	1	x	9-1/4	x	8 1/3	x	1/8	=	10	Cft
M.O ofc	1	x	9-1/4	x	13 5/6	x	1/8	=	16	Cft
Gym	1	x	17	x	18	x	1/8	=	38	Cft
Ladies Dress	1	x	17-1/2	x	18	x	1/8	=	39	Cft
Ofc	1	x	12	x	18	x	1/8	=	27	Cft
corridor	1	x	60-4/25	x	9 1/6	x	1/8	=	69	Cft
	1	x	65-11/12	x	9 1/6	x	1/8	=	75	Cft
dr.rom	1	x	13-4/25	x	18	x	1/8	=	29	Cft
ofc	1	x	15-11/12	x	11	x	1/8	=	22	Cft
Lab	1	x	19	x	18	x	1/8	=	43	Cft
	1	x	15	x	18	x	1/8	=	34	Cft
room	4	x	9-1/4	x	14	x	1/8	=	65	Cft
ofc	5	x	9-1/4	x	14	x	1/8	=	81	Cft
lab	1	x	13	x	14	x	1/8	=	23	Cft
Dispensory	1	x	18	x	9 1/6	x	1/8	=	21	Cft
bath	1	x	9	x	8.000	x	1/8	=	9	Cft

w.c	1	x	9	x	8 1/6	x	1/8	=	9	Cft	
w.c	1	x	5-1/4	x	6	x	1/8	=	4	Cft	
toilet	1	x	9	x	5	x	1/8	=	6	Cft	
	4	x	7	x	4	x	1/8	=	14	Cft	
corridor	1	x	46	x	9	x	1/8	=	52	Cft	
corridor	1	x	16	x	9	x	1/8	=	18	Cft	
Ramp	1	x	19	x	16-1/2	x	1/8	=	39	Cft	
ENTRANCE	1	x	22	x	7	x	1/8	=	19	Cft	
							Total	=	**824**	**Cft**	
						@	11174.60		%Cft		**92032**

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

Dr.Rom	3	x	13-44/53	x	9	x	1/8	=	47	Cft	
CHECKUP	1	x	14-4/25	x	9 1/6	x	1/8	=	16	Cft	
STORE	1	x	9-1/4	x	8 1/3	x	1/8	=	10	Cft	
M.O ofc	1	x	9-1/4	x	13 5/6	x	1/8	=	16	Cft	
Gym	1	x	17	x	18	x	1/8	=	38	Cft	
Ladies Dress	1	x	17-1/2	x	18	x	1/8	=	39	Cft	
Ofc	1	x	12	x	18	x	1/8	=	27	Cft	
corridor	1	x	60-4/25	x	9 1/6	x	1/8	=	69	Cft	
	1	x	65-11/12	x	9 1/6	x	1/8	=	75	Cft	
dr.rom	1	x	13-4/25	x	18	x	1/8	=	29	Cft	
ofc	1	x	15-11/12	x	11	x	1/8	=	22	Cft	
Lab	1	x	19	x	18	x	1/8	=	43	Cft	
	1	x	15	x	18	x	1/8	=	34	Cft	
room	4	x	9-1/4	x	14	x	1/8	=	65	Cft	
ofc	5	x	9-1/4	x	14	x	1/8	=	81	Cft	
lab	1	x	13	x	14	x	1/8	=	23	Cft	
Dispensory	1	x	18	x	9 1/6	x	1/8	=	21	Cft	
bath	1	x	9	x	8.000	x	1/8	=	9	Cft	
w.c	1	x	9	x	8 1/6	x	1/8	=	9	Cft	
w.c	1	x	5-1/4	x	6	x	1/8	=	4	Cft	
toilet	1	x	9	x	5	x	1/8	=	6	Cft	
	4	x	7	x	4	x	1/8	=	14	Cft	
corridor	1	x	46	x	9	x	1/8	=	52	Cft	
corridor	1	x	16	x	9	x	1/8	=	18	Cft	
Ramp	1	x	19	x	16-1/2	x	1/8	=	39	Cft	
ENTRANCE	1	x	22	x	7	x	1/8	=	19	Cft	
							Total	=	**824**	**Cft**	
						@	38126.10		%Cft		**313999**

9 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 stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Ramp	2	x	19		=	38	Rft
stair	2	x	16		=	32	Rft
				Total	=	**70**	Rft
				@ 2361.45		P.Rft	**165302**

10 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

Dr.Rom	3	x	13-44/53	x	9	=	373	Cft	
CHECKUP	1	x	14-4/25	x	9 1/6	=	130	Cft	
Ladies Dress	1	x	17-1/2	x	18	=	314	Cft	
corridor	1	x	60-4/25	x	9 1/6	=	551	Cft	
	1	x	65-11/12	x	9 1/6	=	604	Cft	
dr.rom	1	x	13-4/25	x	18	=	236	Cft	
Lab	1	x	19	x	18	=	342	Cft	
	1	x	15	x	18	=	270	Cft	
dr.rom	4	x	9-1/4	x	14	=	518	Cft	
lab	1	x	13	x	14	=	182	Cft	
corridor	1	x	46	x	9	=	414	Cft	
corridor	1	x	16	x	9	=	144	Cft	
Ramp	1	x	19	x	16-1/2	=	314	Cft	
ENTRANCE	1	x	22	x	7	=	154	Cft	
bath	1	x	9	x	8.000	=	72	Sft	
	1	x	9	x	8 1/6	=	73	Sft	
	1	x	5-1/4	x	6	=	32	Sft	
	1	x	9	x	5	=	45	Sft	
w.c	4	x	7	x	4	=	112	Sft	
STORE	1	x	9-1/4	x	8 1/3	=	77	Cft	
Dispensory	1	x	18	x	9 1/6	=	165	Cft	
M.O ofc	1	x	9-1/4	x	13 5/6	=	128	Cft	
Gym	1	x	17	x	18	=	306	Cft	
Ofc	1	x	12	x	18	=	215	Cft	
ofc	1	x	15-11/12	x	11	=	175	Cft	
ofc	5	x	9-1/4	x	14	=	648	Cft	
					Total	=	**6594**	**Sft**	
					@ 340.50		P.Sft		**2245257**

12 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

Dr.Rom	3	x	2	x(	13-44/53	+	9	)x	4	=	548	Sft
CHECKUP	1	x	2	x(	14-4/25	+	9 1/6	)x	4	=	187	Sft
dies Dress	1	x	2	x(	17-1/2	+	18	)x	4	=	283	Sft
corridor	1	x	2	x(	60-4/25	+	9 1/6	)x	6	=	832	Sft
	1	x	2	x(	65-11/12	+	9 1/6	)x	6	=	901	Sft
entrance	1	x	2	x(	28-11/12	+	43 1/4	)x	6	=	866	Sft
dr.ron	1	x	2	x(	13-4/25	+	18	)x	4	=	249	Sft
Lab	1	x	2	x(	19	+	18	)x	4	=	296	Sft
	1	x	2	x(	15	+	18	)x	4	=	264	Sft
room	4	x	2	x(	9-1/4	+	14	)x	4	=	744	Sft
lab	1	x	2	x(	13	+	14	)x	4	=	216	Sft
coridor	1	x	2	(	50	+	7-1/2	)	6	=	690	Sft
coridor	1	x	2	(	12-1/4	+	16	)	6	=	339	Sft
STORE	1	x	2	x(	9-1/4	+	8 1/3	)x	4	=	141	Sft
Dispens	1	x	2	x(	18	+	9 1/6	)x	4	=	217	Sft
M.O ofc	1	x	2	x(	9-1/4	+	13 5/6	)x	1/2	=	23	Sft
Gym	1	x	2	x(	17	+	18	)x	1/2	=	35	Sft
Ofc	1	x	2	x(	12	+	18	)x	1/2	=	30	Sft
ofc	1	x	2	x(	15-11/12	+	11	)x	1/2	=	27	Sft
ofc	5	x	2	x(	9-1/4	+	14	)x	1/2	=	116	Sft
									Total	**=**	**7003**	**Sft**
			18	x	3-1/2	x	6			=	378	Sft
			1	x	10	x	4			=	40	Sft
									Total	**=**	**418**	**Sft**
									N.Total	**=**	**6585**	**Sft**
								@	340.50		P.Sft	**2242275**

ii Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm

bath	1	x	2	x(	9	+	8.000	)x	7	=	238	Sft
w.c	1	x	2	x(	9	+	8 1/6	)x	7	=	240	Sft
w.c	1	x	2	x(	5-1/4	+	6	)x	7	=	158	Sft
toilet	1	x	2	x(	9	+	5	)x	7	=	196	Sft
	4	x	2	x(	7	+	4	)x	7	=	616	Sft
									Total	**=**	**1448**	**Sft**
			16	x	2-1/2	x	7			=	280	Sft
			1	x	3	x	7			=	21	Sft
									Total	**=**	**301**	**Sft**
									N.Total	**=**	**1147**	**Sft**
								@	292.65		P.Sft	**335593**

13	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick										
	steps	3	x	18	x	1		=	54	Sft	
	entrance	1	x	21	x	7		=	147	Sft	
	stair	22	x	5	x	1		=	110	Sft	
							Total	=	**311**	**Sft**	
						@	1308.95		P.Sft		**407083**
ii	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick										
	riser	3	x	18	x	1/2		=	27	Sft	
	stair	22	x	5	x	1/2		=	55	Sft	
							Total	=	**82**	**Sft**	
						@	1308.95		P.Sft		**107334**
14	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat										
	vanity shelf	4	x	4	x	2		=	32	Sft	
							Total	=	**32**	**Sft**	
						@	1231.30		P.Sft		**39402**
15	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.										
	Dr room	6	x	3-1/4	x	6-7/8		=	134	Sft	
							Total	=	**134**	**Sft**	
						@	502.20		P.Sft		**67295**
17	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge										
	bath	8	x	2-1/2	x	7		=	140	Sft	
		1	x	3-1/2	x	7		=	25	Sft	
							Total	=	**165**	**Sft**	
	NON SCHEDULE					@	880.00		P.Sft		**145200**

18	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-cha rge.										
	entrnce		2	x	6	x	8-1/2		=	102	Sft
								Total	**=**	**102**	**Sft**
							@	1437.60		P.Sft	**146635**
19	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick										
	w1		28	x	6	x	6		=	1008	Sft
								Total	**=**	**1008**	**Sft**
							@	1348.40		P.Sft	**1359187**
20	Providing and fixing Aluminum Flyscreen comprising of Fiber/ Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.										
	w1	1/2	28	x	6	x	6		=	504	Sft
								Total	**=**	**504**	**Sft**
							@	493.05		P.Sft	**248497**
21	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										
	w1		28	x	6	x	6		=	1008	Sft
								Total	**=**	**1008**	**Sft**
							@	854.70		P.Sft	**861538**
ii	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 . (Non-Skid Chequred Tiles) 300mmx300mm										
	Ramp		1	x	19	x	17		=	323	Sft
								Total	**=**	**323**	**Sft**

								@	211.55		P.Sft		**68331**
24	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:(One coat)												
	1	x	2	(	143	+	44	)	16	=	5984	Sft	
									Total	=	**5984**	**Sft**	
	Dedution												
			18	x	6	x	6			=	648	Sft	
			2	x	3	x	3			=	18	Sft	
									Total	=	**666**	**Sft**	
									N.Total	=	**5318**	**Sft**	
								@	3319.85		P.Sft		**176550**
25	Painting door and windows 2 coats G.F												
	D		1	x	4 1/2	x	8 1/2			=	38	Sft	
	D		12	x	4	x	8 1/2			=	408	Sft	
			2	x	3	x	8 1/2			=	51	Sft	
	c.w		3	x	4	x	7			=	84	Sft	
	c.w		3	x	3	x	7			=	63	Sft	
									Total	=	**644**	**Sft**	
								@	1667.55		%.Sft		**10739**
ii	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long												
			1	x	10					=	10	No	
									Total	=	**10**	**No**	
								@	926.00		Each		**9260**
26	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.												
	w		10	x	2	x	2			=	40	Sft	
									Total	=	**40**	**Sft**	
								@	171.30		P.Sft		**6852**
27	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.												
	w		12	x	2	x	2			=	48	Sft	
									Total	=	**48**	**Sft**	
								@	112.85		P.Sft		**5417**
28	Preparing surface and painting with emulsion paint:-(1 coat on old surface)												
	Dr.Rom		3	x	13-44/53	x	9			=	373	Cft	
	CHECKUP		1	x	14-4/25	x	9 1/6			=	130	Cft	
	M.O ofc		1	x	9-1/4	x	13 5/6			=	128	Cft	
	Gym		1	x	17	x	18			=	306	Cft	
	Ofc		1	x	12	x	18			=	215	Cft	
	dr.rom		1	x	13-4/25	x	18			=	236	Cft	
	ofc		1	x	15-11/12	x	11			=	175	Cft	
	room		4	x	9-1/4	x	14			=	518	Cft	

ofc	5	x	9-1/4	x	14				=	648	Cft	
Ladies Dress	1	x	17-1/2	x	18				=	314	Cft	
Lab	1	x	19	x	18				=	342	Cft	
	1	x	15	x	18				=	270	Cft	
lab	1	x	13	x	14				=	182	Cft	
							Total		=	**3837**	**Sft**	
						@	883.10			%Sft		**33885**

27 Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface)

STORE	1	x	9-1/4	x	8 1/3				=	77	Cft	
Dispensory	1	x	18	x	9 1/6				=	165	Cft	
corridor	1	x	60-4/25	x	9 1/6				=	551	Cft	
	1	x	65-11/12	x	9 1/6				=	604	Cft	
corridor	1	x	46	x	9				=	414	Cft	
corridor	1	x	16	x	9				=	144	Cft	
entranc	1	x	22	x	7				=	154	Cft	
bath	1	x	9	x	8.000				=	72	Cft	
w.c	1	x	9	x	8 1/6				=	73	Cft	
w.c	1	x	5-1/4	x	6				=	32	Cft	
toilet	1	x	9	x	5				=	45	Cft	
	4	x	7	x	4				=	112	Cft	
							Total		=	**2443**	**Sft**	
						@	1667.75			%.Sft		**40743**

28 Preparing surface and painting with enamel paint:-(2 coat on old after scraping Distempered surface)

Dr.Rom	3	x	2	x(	13-44/53	+	9	)x	11 1/2	=	1575	Sft	
CHECKUP	1	x	2	x(	14-4/25	+	9 1/6	)x	11 1/2	=	536	Sft	
dr.ron	1	x	2	x(	13-4/25	+	18	)x	11 1/2	=	715	Sft	
Dr room	4	x	2	x(	9-1/4	+	14	)x	11 1/2	=	2139	Sft	
STORE	1	x	2	x(	9-1/4	+	8 1/3	)x	11 1/2	=	404	Sft	
Dispens	1	x	2	x(	18	+	9 1/6	)x	11 1/2	=	625	Sft	
Ofc	1	x	2	x(	12	+	18	)x	11 1/2	=	688	Sft	
M.O ofc	1	x	2	x(	9-1/4	+	13 5/6	)x	11 1/2	=	531	Sft	
Gym	1	x	2	x(	17	+	18	)x	11 1/2	=	805	Sft	
ofc	1	x	2	x(	15-11/12	+	11	)x	11 1/2	=	619	Sft	
ofc	5	x	2	x(	9-1/4	+	14	)x	11 1/2	=	2674	Sft	
corridor	1	x	2	x(	60-4/25	+	9 1/6	)x	6	=	832	Sft	
	1	x	2	x(	65-11/12	+	9 1/6	)x	6	=	901	Sft	
Receptic	1	x	2	x(	28-11/12	+	43 1/4	)x	6	=	866	Sft	
coridor	1	x	2	(	50	+	7-1/2	)	11 1/2	=	1323	Sft	
coridor	1	x	2	(	12-1/4	+	16	)	11 1/2	=	650	Sft	
dies Dress	1	x	2	x(	17-1/2	+	18	)x	11 1/2	=	815	Sft	
Lab	1	x	2	x(	19	+	18	)x	11 1/2	=	851	Sft	
	1	x	2	x(	15	+	18	)x	11 1/2	=	759	Sft	
lab	1	x	2	x(	13	+	14	)x	11 1/2	=	621	Sft	
D/D Openings													
Doors	###	x	2	x(	3-1/2	+	0	)x	7	=	-1225	Sft	
									Total	=	**17703**	**Sft**	
								@	2429.45		%.Sft		**430078**

30 1/2" thick cement plaster 1:4

5	x	2	(	30	+	5	)	2	=	700	Sft	
		4	x	10	x	7			=	280	Sft	
								Total	=	**980**	**Sft**	
								@ 3241.60		%Sft		**31768**

31 Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

4	x	5	x	12					=	240	Sft	
								Total	=	**240**	**Sft**	
NON SCHEDULE								@ 1060.00		P.Sft		**254400**

iii Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

3	x	5							=	15	No	
								Total	=	**15**	**No**	
NON SCHEDULE								@ 14800.00		Each		**0**

32 Dismantling 2nd class tile roofing.

1	x	32 1/2	x	141 1/2					=	4599	Sft	
								Total	=	**4599**	**Sft**	
								@ 1,269.85		%Sft		**58397**

33 Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick

1	x	32 1/2	x	141 1/2					=	4599	Sft	
								Total	=	**4599**	**Sft**	
								@ 90.75		P.Sft		**417337**

34 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect. b) 1-1/2" thick

1	x	32 1/2	x	141 1/2					=	4599	Sft	
								Total	=	**4599**	**Sft**	
								@ 9,459.55		%Sft		**435021**

i Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.

1	x	10	x	14					=	140	Rft	
								Total	=	**140**	Rft	
								@ 325.95		P.Rft		**45633**

ii Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting

1	x	10							=	10	No	
								Total	=	**10**	**No**	

				@	887.40		Each	**8874**
iii	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.							
	2	x	10			=	20	No
					Total	**=**	**20**	**No**
				@	469.95		Each	**9399**
35	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.							
	1 x	32 1/2	x	141 1/2		=	4599	Sft
					Total	**=**	**4599**	**Sft**
				@	7400.85		%Sft	**340347**
ii	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)							
	1	x	10			=	10	No
					Total	**=**	**10**	**No**
				@	854.35		Each	**8544**
36	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge							

	1 x	50	x	5			=	250	Rft	
						Total	=	**250**	Rft	
NON SCHEDULE					@	580.00		P.Rft		**145000**
37 Provision Of Sanitory Fittings								6292	Sft	
					@	120.00		P.Sft		**755040**
38 Provision Of internal Electric Fittings								6292	Sft	
Replace switches and board					@	114.00		P.Sft		**717288**
								Total		**12837858**

Credit of Old Material

1 Old damaged door

1	x	17				=	17	No	
				Total	=	**17**	**No**		
		@	2000.00			Each			**34000**

2 Old damaged Mild Steel window

1	x	28				=	28	No	
				Total	=	**28**	**No**		
		@	1500.00			Each			**42000**

3 Old tiles SFT

1	x	4599	x	0.70	x	3.5	=	11267	**Nos**	
		Total					=	**11267**	**Nos**	
			@	**Rs.**		**3,000.00**		**%0Nos**		**Rs. 33801**

4 Brick Bats

1	x	4599	x	0.3	x	0.13	=	172	**Cft**	
		Total					=	**172**	**Cft**	
			@	**Rs.**		**2,000.00**		**%Cft**		**Rs. 3449**

5 Old damaged Stair Railing

1	x	32				=	32	Rft	
				Total	=	**32**	Rft		
		@	250.00			P.RFt			**8000**
						Total			**121250**

Net Total	=	**12837858**	**(-)**	**121250**	=	**12716608**

add 3% Contigency 381498

Total 13098107

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF CHILDREN COMPLEX".(GROUND FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	16			=	16	No.	
					Total	=	**16**	**No.**	
				@	438.00		Each		**7008**

2 Removing windows and sky lights with chowkat.

	1	x	3			=	3	No.	
					Total	=	**3**	**No.**	
				@	341.50		Each		**1025**

3 Petty repair to main room

	1	x	8			=	8	No.	
					Total	=	**8**	**No.**	
				@	1116.65		Each		**8933**

4 Petty repair to small room

	1	x	10			=	10	No.	
					Total	=	**10**	**No.**	
				@	558.25		Each		**5583**

5 Dismantling Glazed Or encaustic tile

bath	3	x	2	(	5	x	4	)	4	=	216	Sft
	4	x	2	(	6	x	7	)	4	=	416	Sft
	1	x	2	(	38-1/2	x	10	)	4	=	388	Sft
	1	x	2	(	17	x	16 1/2	)	4	=	268	Sft
	1	x	2	(	48	x	6 1/2	)	4	=	436	Sft
	1	x	2	(	40	x	6 1/2	)	4	=	372	Sft
	2	x	2	(	38-1/2	x	10	)	4	=	776	Sft
	1	x	2	(	17	x	16 1/2	)	4	=	268	Sft
									Total	=	**3140**	**Cft**
								@	2335.85		%sft	**73346**

6 Dismantling cement concrete 1:2:4 plain.

hall	1	x	39	x	61	x	1/8	=	297	Cft	
dr rom	4	x	20	x	18	x	1/8	=	180	Cft	
w.c	4	x	6	x	7	x	1/8	=	21	Cft	
opd	1	x	20-1/4	x	21	x	1/8	=	53	Cft	
room	1	x	16	x	12	x	1/8	=	24	Cft	
nicu	1	x	27	x	30	x	1/8	=	101	Cft	
corridor	2	x	38-1/2	x	10	x	1/8	=	96	Cft	
	1	x	17	x	16 1/2	x	1/8	=	35	Cft	
corridor	1	x	48	x	6 1/2	x	1/8	=	39	Cft	
	1	x	40	x	6 1/2	x	1/8	=	33	Cft	
hall	1	x	46	x	40	x	1/8	=	230	Cft	
lab	1	x	30	x	16	x	1/8	=	60	Cft	
ofc	1	x	15-11/12	x	11	x	1/8	=	22	Cft	
Lab	1	x	19	x	18	x	1/8	=	43	Cft	
coridor	1	x	79	x	10	x	1/8	=	99	Cft	

storage	1	x	70	x	12	x	1/8	=	105	Cft	
w.c	3	x	5	x	4	x	1/8	=	8	Cft	
entrnce	1	x	76	x	17	x	1/8	=	162	Cft	
steps	3	x	76	x	1	x	1/8	=	29	Cft	
ramp	1	x	16	x	10.0	x	1/8	=	20	Cft	
floor	1	x	100	x	16.0	x	1/8	=	200	Cft	
							Total	=	**1857**	**Cft**	
						@	11174.60		%Cft		**207512**

7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):

hall	1	x	39	x	61	x	1/8	=	297	Cft	
dr rom	4	x	20	x	18	x	1/8	=	180	Cft	
w.c	4	x	6	x	7	x	1/8	=	21	Cft	
opd	1	x	20-1/4	x	21	x	1/8	=	53	Cft	
room	1	x	16	x	12	x	1/8	=	24	Cft	
nicu	1	x	27	x	30	x	1/8	=	101	Cft	
corridor	2	x	38-1/2	x	10	x	1/8	=	96	Cft	
	1	x	17	x	16 1/2	x	1/8	=	35	Cft	
corridor	1	x	48	x	6 1/2	x	1/8	=	39	Cft	
	1	x	40	x	6 1/2	x	1/8	=	33	Cft	
hall	1	x	46	x	40	x	1/8	=	230	Cft	
lab	1	x	30	x	16	x	1/8	=	60	Cft	
ofc	1	x	15-11/12	x	11	x	1/8	=	22	Cft	
Lab	1	x	19	x	18	x	1/8	=	43	Cft	
coridor	1	x	79	x	10	x	1/8	=	99	Cft	
storage	1	x	70	x	12	x	1/8	=	105	Cft	
w.c	3	x	5	x	4	x	1/8	=	8	Cft	
entrnce	1	x	76	x	17	x	1/8	=	162	Cft	
steps	3	x	76	x	1	x	1/8	=	29	Cft	
ramp	1	x	16	x	10.0	x	1/8	=	20	Cft	
floor	1	x	100	x	16.0	x	1/8	=	200	Cft	
							Total	=	**1857**	**Cft**	
						@	38126.10		%Cft		**708002**

8 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 stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

Ramp	1	x	19					=	19	Rft	
stair	1	x	16					=	16	Rft	
							Total	=	**35**	Rft	
						@	2361.45		P.Rft		**82651**

9 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

	1	x	39	x	61		=	2379	Sft	
	4	x	20	x	18		=	1440	Sft	
	4	x	6	x	7		=	168	Sft	
	1	x	20-1/4	x	21		=	425	Sft	
	1	x	16	x	12		=	192	Sft	
	1	x	27	x	30		=	810	Sft	
	2	x	38-1/2	x	10		=	770	Sft	
	1	x	17	x	16 1/2		=	281	Sft	
	1	x	48	x	6 1/2		=	312	Sft	
	1	x	40	x	6 1/2		=	260	Sft	
	1	x	46	x	40		=	1840	Sft	
	1	x	30	x	16		=	480	Sft	
	1	x	19	x	18		=	342	Sft	
	1	x	79	x	10		=	790	Sft	
	3	x	5	x	4		=	60	Sft	
ofc	1	x	15-11/12	x	11		=	175	Cft	
storage	1	x	70	x	12		=	840	Cft	
						Total	=	**11564**	**Sft**	
						@ 340.50		P.Sft		**3937542**

11 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

1	x	2	x(	39	+	61	)x	6	=	1200	Sft		
4	x	2	x(	20	+	18	)x	4	=	1216	Sft		
1	x	2	x(	20-1/4	+	21	)x	4	=	330	Sft		
1	x	2	x(	16	+	12	)x	6	=	336	Sft		
1	x	2	x(	27	+	30	)x	6	=	684	Sft		
2	x	2	x(	38-1/2	+	10	)x	6	=	1164	Sft		
1	x	2	x(	17	+	16 1/2	)x	6	=	402	Sft		
1	x	2	x(	48	+	6 1/2	)x	6	=	654	Sft		
1	x	2	x(	40	+	6 1/2	)x	6	=	558	Sft		
1	x	2	x(	46	+	40	)x	6	=	1032	Sft		
1	x	2	x(	30	+	16	)x	6	=	552	Sft		
1	x	2	x(	19	+	18	)x	4	=	296	Sft		
1	x	2	x(	79	+	10	)x	6	=	1068	Sft		
2	x	2	x(	15-11/12	+	11	)x	4	=	431	Sft		
1	x	2	x(	70	+	12	)x	4	=	656	Sft		
							Total	=	**10579**	**Sft**			
	10	x	4	x	7			=	280	Sft			
							Total	=	**280**	**Sft**			
							N.Total	=	**10299**	**Sft**			

								@	340.50		P.Sft		**3506692**
i	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm												
	4	x	2	x(	6	+	7	)x	7	=	728	Sft	
	3	x	2	x(	5	+	4	)x	7	=	378	Sft	
									Total	=	**1106**	**Sft**	
			1	x	3	x	7			=	21	Sft	
			14	x	2-1/2	x	7			=	245	Sft	
									Total	=	**266**	**Sft**	
									N.Total	=	**840**	**Sft**	
								@	292.65		P.Sft		**245826**
14	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick												
	steps		3	x	76	x	1			=	228	Sft	
									Total	=	**228**	**Sft**	
								@	1308.95		P.Sft		**298441**
15	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick												
	riser		3	x	76	x	1/2			=	114	Sft	
									Total	=	**114**	**Sft**	
								@	1308.95		P.Sft		**149220**
16	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat												
	vanity shelf		4	x	4	x	2			=	32	Sft	
									Total	=	**32**	**Sft**	
								@	1231.30		P.Sft		**39402**
17	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.												
	Consltnt rom		6	x	3-3/4	x	6-7/8			=	155	Sft	
									Total	=	**155**	**Sft**	
								@	502.20		P.Sft		**77841**

19 Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge

7	x	2-1/2	x	7		=	123	Sft
1	x	3-1/2	x	7		=	25	Sft
					Total	**=**	**148**	**Sft**

NON SCHEDULE @ 880.00 P.Sft **130240**

20 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-cha rge.

	entrance	2	x	8	x	8-1/2			=	136	Sft	
								Total	=	**136**	**Sft**	
							@	1437.60		P.Sft		**195514**
21	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick											
	faça ***w1***	3	x	6	x	6			=	108	Sft	
								Total	=	**108**	**Sft**	
							@	1348.40		P.Sft		**145627**
22	Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.											
	w1 1/2	3	x	6	x	6			=	54	Sft	
								Total	=	**54**	**Sft**	
							@	493.05		P.Sft		**26625**
23	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (i) 3/8" Squar Bars											
	w1	3	x	6	x	6			=	108	Sft	
								Total	=	**108**	**Sft**	
							@	854.70		P.Sft		**92308**
24	Dismantling brick work in lime or cement mortar.											
	bench	6	x	14	x	3 1/2	x	2	=	588	Cft	
		4	x	20	x	2	x	2	=	320	Cft	
								Total	=	**908**	**Cft**	
							@	38126.10		%Cft		**346185**
26	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 . (Non-Skid Chequred Tiles) 300mmx300mm											
	Ramp	1	x	17	x	10			=	170	Sft	
								Total	=	**170**	**Sft**	
							@	211.55		P.Sft		**35964**

27	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:(One coat)											
	1	x	2	(	108	+	76	)	32	=	11776	Sft
									Total	**=**	**11776**	**Sft**
	Dedution											
			18	x	6	x	6			=	648	Sft
			2	x	3	x	3			=	18	Sft
									Total	**=**	**666**	**Sft**
									N.Total	**=**	**11110**	**Sft**
									@ 3319.85		P.Sft	**368835**
28	Painting door and windows 2 coats G.F											
	D		1	x	4 1/2	x	8 1/2			=	38	Sft
	D		12	x	4	x	8 1/2			=	408	Sft
			2	x	3	x	8 1/2			=	51	Sft
	c.w		3	x	4	x	7			=	84	Sft
	c.w		3	x	3	x	7			=	63	Sft
									Total	**=**	**644**	**Sft**
									@ 1667.55		%.Sft	**10739**
29	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long											
			1	x	6					=	6	No
									Total	**=**	**6**	**No**
									@ 926.00		Each	**5556**
32	Preparing surface and painting with enamel paint:-(2 coat on old Distempered surface) -											
			1	x	39	x	61			=	2379	Cft
			4	x	20	x	18			=	1440	Cft
			4	x	6	x	7			=	168	Cft
			1	x	16	x	12			=	192	Cft
			2	x	38-1/2	x	10			=	770	Cft
			1	x	17	x	16 1/2			=	281	Cft
			1	x	48	x	6 1/2			=	312	Cft
			1	x	40	x	6 1/2			=	260	Cft
			1	x	46	x	40			=	1840	Cft
			1	x	30	x	16			=	480	Cft
			1	x	15-11/12	x	11			=	175	Cft
			1	x	79	x	10			=	790	Cft
			1	x	70	x	12			=	840	Cft
			3	x	5	x	4			=	60	Cft
			1	x	20-1/4	x	21			=	425	Cft
			1	x	19	x	18			=	342	Cft
			1	x	27	x	30			=	810	Cft
									Total	**=**	**11564**	**Sft**
									@ 1667.75		%.Sft	**192859**
33	Preparing surface and painting with enamel paint:-(2 coat on old After Scraping) -											

1	x	2	x(	39	+	61	)x	6	=	1200	Sft		
4	x	2	x(	20	+	18	)x	8	=	2432	Sft		
1	x	2	x(	16	+	12	)x	6	=	336	Sft		
2	x	2	x(	38-1/2	+	10	)x	6	=	1164	Sft		
1	x	2	x(	17	+	16 1/2	)x	6	=	402	Sft		
1	x	2	x(	48	+	6 1/2	)x	6	=	654	Sft		
1	x	2	x(	40	+	6 1/2	)x	6	=	558	Sft		
1	x	2	x(	46	+	40	)x	6	=	1032	Sft		
1	x	2	x(	30	+	16	)x	6	=	552	Sft		
1	x	2	x(	15-11/12	+	11	)x	8	=	431	Sft		
1	x	2	x(	79	+	10	)x	6	=	1068	Sft		
1	x	2	x(	70	+	12	)x	6	=	984	Sft		
1	x	2	x(	20-1/4	+	21	)x	6	=	495	Sft		
1	x	2	x(	19	+	18	)x	6	=	444	Sft		
1	x	2	x(	27	+	30	)x	8	=	912	Sft		
								Total	**=**	**12664**	**Sft**		
							@	2796.55		%.Sft			**354145**

ii 1/2" thick cement plaster 1:4

5	x	2	(	30	+	5	)	2	=	700	Sft		
		4	x	10	x	7			=	280	Sft		
								Total	**=**	**980**	**Sft**		
							@	3241.60		%Sft			**31768**

v Dismantling 2nd class tile roofing.

		1 x	32 1/2	x	141 1/2				=	4599	Sft		
								Total	**=**	**4599**	**Sft**		
							@	1,269.85		%Sft			**58397**

vi Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick

		1 x	32 1/2	x	141 1/2				=	4599	Sft		
								Total	**=**	**4599**	**Sft**		
							@	90.75		P.Sft			**417337**

vii Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect.
b) 1-1/2" thick

		1 x	32 1/2	x	141 1/2				=	4599	Sft		
								Total	**=**	**4599**	**Sft**		
							@	9,459.55		%Sft			**435021**

viii Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.

		1 x	10	x	26				=	260	Rft		
								Total	**=**	**260**	Rft		
							@	325.95		P.Rft			**84747**

ix	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting								
	1	x	10			=	10	No	
					Total	=	**10**	**No**	
				@	887.40		Each		**8874**
x	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
	2	x	10			=	20	No	
					Total	=	**20**	**No**	
				@	469.95		Each		**9399**
36	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.								
	1 x	32 1/2	x	141 1/2		=	4599	Sft	
					Total	=	**4599**	**Sft**	
				@	7400.85		%Sft		**340347**
ii	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								

		1	x	10			=	10	No	
						Total	=	**10**	**No**	
					@	854.35		Each		**8544**
iii	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge									
		1 x	20	x	5		=	100	Rft	
						Total	=	**100**	Rft	
	NON SCHEDULE				@	580.00		P.Rft		**58000**
37	Provision Of Sanitory Fittings							4599	Sft	
					@	120.00		P.Sft		**551850**
38	Provision Of internal Electric Fittings							4599	Sft	
	Replace switches and board				@	114.00		P.Sft		**524258**
								Total		**13782159**

Credit of Old Material

1	Old damaged door									
			1	x	16		=	16	No	
						Total	=	**16**	**No**	
					@	2000.00		Each		**32000**
2	Old damaged Mild Steel window									
			1	x	3		=	3	No	
						Total	=	**3**	**No**	
					@	1500.00		Each		**4500**
3	Old tiles							SFT		
	1 x 4599 x 0.7 x 3.5						=	11267	**Nos**	
	Total						=	**11267**	**Nos**	
			@	**Rs.**		**3,000.00**		**%0Nos**	**Rs.**	**33801**
4	Brick Bats									
	1 x 4599 x 0.3 x 0.125						=	172	**Cft**	
	Total						=	**172**	**Cft**	
			@	**Rs.**		**2,000.00**		**%Cft**	**Rs.**	**3449**
5	Old damaged Stair Railing									
			1	x	32		=	32	Rft	
						Total	=	**32**	Rft	
					@	250.00		P.RFt		**8000**
								Total		**81750**

Net Total	=	**13782159**	**(-)**	**81750**	=		**13700409**
add 3% Contigency							411012
						Total	**14111421**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF OLD CARDIALOGY OUT DOOR AND CARDIAC WARD".(GROUND FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

			1	x	14			=	14	No.
							Total	=	**14**	**No.**
						@	438.00		Each	**6132**

2 Removing windows and sky lights with chowkat.

			1	x	20			=	20	No.
							Total	=	**20**	**No.**
						@	341.50		Each	**6830**

3 Petty repair to main room

			1	x	10			=	10	No.
							Total	=	**10**	**No.**
						@	1116.65		Each	**11167**

4 Petty repair to small room

			1	x	8			=	8	No.
							Total	=	**8**	**No.**
						@	558.25		Each	**4466**

5 Dismantling Glazed Or encaustic tile

TOIELT	2	x	2	(	4	+	6 3/4	)	5	=	215	Sft
	1	x	2	(	10	+	6 3/4	)	5	=	168	Sft
	3	x	2	(	5	+	3	)	5	=	240	Sft
	2	x	2	(	6	+	6	)	5	=	240	Sft
	1	x	2	(	4	+	6 1/2	)	5	=	105	Sft
									Total	=	**968**	Sft
								@	2335.85		%sft	**22599**

6 Dismantling cement concrete 1:2:4 plain.

library	1	x	26	x	13	x	1/8	=	42	Cft	
toilet	2	x	4	x	6 3/4	x	1/8	=	7	Cft	
corridor	1	x	30	x	9	x	1/8	=	34	Cft	
CCU WARD											
corridor	1	x	72-3/4	x	9	x	1/8	=	82	Cft	
corridor	1	x	28-1/2	x	9	x	1/8	=	32	Cft	
CCU	1	x	40	x	25 1/2	x	1/8	=	128	Cft	
dr.rom	2	x	12	x	10	x	1/8	=	30	Cft	
ofc	2	x	12	x	10	x	1/8	=	30	Cft	
LAV	1	x	10	x	6 3/4	x	1/8	=	8	Cft	
TOIELT	3	x	5	x	3	x	1/8	=	6	Cft	
TOIELT	2	x	6	x	6	x	1/8	=	9	Cft	
	1	x	4	x	6 1/2	x	1/8	=	3	Cft	
Ramp	1	x	10-1/2	x	8-1/2	x	1/8	=	11	Cft	
	1	x	11	x	7-1/2	x	1/8	=	10	Cft	
ENTRANCE	1	x	23	x	10	x	1/8	=	29	Cft	
	1	x	14-1/2	x	7-1/2	x	1/8	=	14	Cft	
							Total	=	**475**	**Cft**	

							@	11174.60	%Cft		**53079**
8	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):										
	library	1	x	26	x	13	x	1/8	=	42	Cft
	toilet	2	x	4	x	6 3/4	x	1/8	=	7	Cft
	corridor	1	x	30	x	9	x	1/8	=	34	Cft
	CCU WARD										
	corridor	1	x	72-3/4	x	9	x	1/8	=	82	Cft
	corridor	1	x	28-1/2	x	9	x	1/8	=	32	Cft
	CCU	1	x	40	x	25 1/2	x	1/8	=	128	Cft
	dr.rom	2	x	12	x	10	x	1/8	=	30	Cft
	ofc	2	x	12	x	10	x	1/8	=	30	Cft
	LAV	1	x	10	x	6 3/4	x	1/8	=	8	Cft
	TOIELT	3	x	5	x	3	x	1/8	=	6	Cft
	TOIELT	2	x	6	x	6	x	1/8	=	9	Cft
		1	x	4	x	6 1/2	x	1/8	=	3	Cft
	Ramp	1	x	10-1/2	x	8-1/2	x	1/8	=	11	Cft
		1	x	11	x	7-1/2	x	1/8	=	10	Cft
	ENTRANCE	1	x	23	x	10	x	1/8	=	29	Cft
		1	x	14-1/2	x	7-1/2	x	1/8	=	14	Cft
								Total	**=**	**475**	**Cft**
							@	38126.10	%Cft		**181099**
9	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 stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.										
	Ramp	2	x	10-1/2					=	21	Rft
		2	x	11					=	22	Rft
								Total	**=**	**43**	Rft
							@	2361.45	P.Rft		**101542**
10	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm										
	toilet	2	x	4	x	6 3/4			=	54	Sft
		1	x	30	x	9			=	270	Sft
	CCU WARD										
	corridor	1	x	72-3/4	x	9			=	655	Sft
	corridor	1	x	28-1/2	x	9			=	257	Sft
	CCU	1	x	40	x	25 1/2			=	1020	Sft
	dr.rom	2	x	12	x	10			=	240	Sft
	LAV	1	x	10	x	6 3/4			=	68	Sft

TOIELT	3	x	5	x	3			=	45	Sft	
TOIELT	2	x	6	x	6			=	72	Sft	
library	1	x	26	x	13			=	338	Sft	
ofc	2	x	12	x	10			=	240	Sft	
							Total	=	**3259**	Sft	
						@	340.50		P.Sft		**1109690**

12 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

1	x	2	x(	30	x	9	)x	6	=	468	Sft		
1	x	2	x(	72-3/4	x	9	)x	6	=	981	Sft		
1	x	2	x(	28-1/2	x	9	)x	6	=	450	Sft		
1	x	2	x(	40	x	25 1/2	)x	6	=	786	Sft		
2	x	2	x(	12	x	10	)x	4	=	352	Sft		
1	x	2	x(	26	+	13	)x	4	=	312	Sft		
2	x	2	x(	12	+	10	)x	4	=	352	Sft		
								Total	=	**3701**	**Sft**		
		11	x	3-1/2	x	6			=	231	Sft		
								Total	=	**231**	**Sft**		
								N.Total	=	**3470**	**Sft**		
							@	340.50		P.Sft			**1181535**

i Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i)400 mmX400 mm

2	x	2	x(	4	x	6 3/4	)x	7	=	301	Sft		
1	x	2	x(	10	x	6 3/4	)x	7	=	235	Sft		
3	x	2	x(	5	x	3	)x	7	=	336	Sft		
2	x	2	x(	6	x	6	)x	7	=	336	Sft		
								Total	=	**1208**	**Sft**		
		1	x	3-1/2	x	7			=	25	Sft		
		14	x	2-1/2	x	7			=	245	Sft		
								Total	=	**270**	**Sft**		
								N.Total	=	**938**	**Sft**		
							@	292.65		P.Sft			**274359**

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

steps	2	x	23	x	1			=	46	Sft
entrance	1	x	23	x	9			=	207	Sft
	1	x	15	x	7			=	105	Sft
							Total	=	**358**	**Sft**
						@	1308.95		P.Sft	**468604**

ii	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4"thick (1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge.(i) 3/4" thick									
	riser	2	x	23	x	1/2		=	23	Sft
						Total		=	**23**	**Sft**
						@	1308.95		P.Sft	**30106**
16	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat									
	vanity shelf	4	x	4	x	2		=	32	Sft
						Total		=	**32**	**Sft**
						@	1231.30		P.Sft	**39402**
17	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.									
		3	x	3-3/4	x	6-7/8		=	77	Sft
						Total		=	**77**	**Sft**
						@	502.20		P.Sft	**38669**
18	Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge									
		1	x	3-1/2	x	7		=	25	Sft
		7	x	2-1/2	x	7		=	123	Sft
						Total		=	**148**	**Sft**
	NON SCHEDULE					@	880.00		P.Sft	**130240**
19	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-cha rge.									
	entrance	1	x	6	x	8-1/2		=	51	Sft
		1	x	10	x	8-1/2		=	85	Sft
						Total		=	**136**	**Sft**
						@	1437.60		P.Sft	**195514**

20 Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick

w1		22	x	6	x	6	=	792	Sft
						Total	=	**792**	**Sft**
						@ 1348.40		P.Sft	**1067933**

21 Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.

w1	1/2	22	x	6	x	6	=	396	Sft
						Total	=	**396**	**Sft**
						@ 493.05		P.Sft	**195248**

22 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

w1		22	x	6	x	6	=	792	Sft
						Total	=	**792**	**Sft**
						@ 854.70		P.Sft	**676922**

23 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 . (Non-Skid Chequred Tiles) 300mmx300mm

Ramp		1	x	10-1/2	x	8-1/2	=	89	Sft
		1	x	11	x	7-1/2	=	83	Sft
						Total	=	**172**	**Sft**
						@ 211.55		P.Sft	**36387**

24 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:(One coat)

1	x	2	(	95	+	82	)	16	=	5664	Sft
								Total	=	**5664**	**Sft**
Dedution											
		18	x	6	x	6			=	648	Sft
		2	x	3	x	3			=	18	Sft
								Total	=	**666**	**Sft**

							N.Total	=	**4998**	**Sft**	
						@	3319.85		P.Sft		**165926**
25	Painting door and windows 2 coats G.F										
	D	1	x	4 1/2	x	8 1/2		=	38	Sft	
	D	12	x	4	x	8 1/2		=	408	Sft	
		2	x	3	x	8 1/2		=	51	Sft	
	grill	5	x	8	x	8 1/2		=	340	Sft	
	c.w	3	x	3	x	2		=	18	Sft	
	c.w	3	x	3	x	2		=	18	Sft	
							Total	=	**873**	**Sft**	
						@	1667.55		%.Sft		**14558**
26	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long										
		1	x	10				=	10	No	
							Total	=	**10**	**No**	
						@	926.00		Each		**9260**
27	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.										
	w	6	x	2	x	2		=	24	Sft	
							Total	=	**24**	**Sft**	
						@	171.30		P.Sft		**4111**
28	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.										
	w	7	x	2	x	2		=	28	Sft	
							Total	=	**28**	**Sft**	
						@	112.85		P.Sft		**3160**
i	Preparing surface and painting with emulsin paint:-(2 coat on old Distempered surface) -										
	Dr.Rom	6	x	13	x	12		=	936	Sft	
	reception	1	x	21-3/4	x	14		=	305	Sft	
	STORE	1	x	4	x	6 3/4		=	27	Sft	
	M.O ofc	1	x	18	x	13		=	234	Sft	
	library	1	x	26	x	13		=	338	Sft	
	toilet	2	x	4	x	6 3/4		=	54	Sft	
	CCU WARD									Sft	
	corridor	1	x	72-3/4	x	9		=	655	Sft	
	corridor	1	x	28-1/2	x	9		=	257	Sft	
	dr.rom	2	x	12	x	10		=	240	Sft	
	ofc	2	x	12	x	10		=	240	Sft	
	LAV	1	x	10	x	6 3/4		=	68	Sft	
	TOIELT	3	x	5	x	3		=	45	Sft	
	TOIELT	2	x	6	x	6		=	72	Sft	
		1	x	4	x	6 1/2		=	26	Sft	
	CCU	1	x	40	x	25 1/2		=	1020	Sft	
							Total	=	**4517**	**Sft**	

								@	1667.75		%.Sft	**75332**
ii	Preparing surface and painting with emulsin paint:--(2 coats on old surface after scraping)											
	6	x	2	x(	13	x	12	)x	8	=	2400	Sft
	1	x	2	x(	21-3/4	x	14	)x	8	=	572	Sft
	1	x	2	x(	4	x	6 3/4	)x	8	=	172	Sft
	1	x	2	x(	18	x	13	)x	8	=	496	Sft
	1	x	2	x(	26	x	13	)x	8	=	624	Sft
	1	x	2	x(	72-3/4	x	9	)x	8	=	1308	Sft
	1	x	2	x(	28-1/2	x	9	)x	8	=	600	Sft
	2	x	2	x(	12	x	10	)x	8	=	704	Sft
	2	x	2	x(	12	x	10	)x	8	=	704	Sft
	1	x	2	x(	22	+	16	)x	8	=	608	Sft
	1	x	2	x(	40	+	25 1/2	)x	6	=	786	Sft
					D/D openings							
	###	x	2	x(	3-1/2	+	0	)x	6	=	-756	Sft
									Total	**=**	**8218**	**Sft**
								@	2796.55		%.Sft	**229820**
ii	Pacca brick work in ground floor:- cement, sand mortar:- 1:4											
			7	x	3/4	x	5			=	26	cft
									Total	**=**	**26**	cft
								@	31625.30		%cft	**8302**
31	1/2" thick cement plaster 1:4											
	2	x	2	(	30	+	5	)	2	=	280	Sft
			2	x	7	x	5			=	70	Sft

						Total	=	**350**	**Sft**	
					@	3241.60		%Sft		**11346**
33	Dismantling 2nd class tile roofing.									
		1 x	73	x	40		=	2920	Sft	
		1 x	80	x	45		=	3600	Sft	
						Total	=	**6520**	**Sft**	
					@	1,269.85		%Sft		**82794**
i	Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick									
		1 x	73	x	40		=	2920	Sft	
		1 x	80	x	45		=	3600	Sft	
						Total	=	**6520**	**Sft**	
					@	90.75		P.Sft		**591690**
34	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in all respect. b) 1-1/2" thick									
		1 x	73	x	40		=	2920	Sft	
		1 x	80	x	45		=	3600	Sft	
						Total	=	**6520**	**Sft**	
					@	9,459.55		%Sft		**616763**
35	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.									
		1 x	73	x	40		=	2920	Sft	
		1 x	80	x	45		=	3600	Sft	
						Total	=	**6520**	**Sft**	
					@	7400.85		%Sft		**482535**
i	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)									
		1	x	10			=	10	No	
						Total	=	**10**	**No**	
					@	854.35		Each		**8544**
ii	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.									
		1 x	10	x	14		=	140	Rft	
						Total	=	**140**	Rft	
					@	325.95		P.Rft		**45633**
iii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting									
		1	x	10			=	10	No	

					Total	=	**10**	**No**	
				@	887.40		Each		**8874**
iv	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
	2	x	10			=	20	No	
					Total	=	**20**	**No**	
				@	469.95		Each		**9399**
36	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge								
	1 x	20	x 5			=	100	Rft	
					Total	=	**100**	Rft	
	NON SCHEDULE			@	580.00		P.Rft		**58000**
37	Provision Of Sanitory Fittings						7500	Sft	
				@	120.00		P.Sft		**900000**
38	Provision Of internal Electric Fittings						7500	Sft	
	Replace switches and board			@	114.00		P.Sft		**855000**
							Total		**10012569**

Credit of Old Material

1 Old damaged door

				1	x	14		=	14	No
							Total	**=**	**14**	**No**
							@ 2000.00		Each	**28000**

2 Old damaged Mild Steel window

				1	x	20		=	20	No
							Total	**=**	**20**	**No**
							@ 1500.00		Each	**30000**

3 Old tiles

1	x	6520	x	0.7	x	3.5	=	15974	**Nos**		
			Total				**=**	**15974**	**Nos**		
				@	**Rs.**		**3,000.00**		**%0Nos**	**Rs.**	**47922**

4 Brick Bats

1	x	6520	x	0.3	x	0.125	=	245	**Cft**		
			Total				**=**	**245**	**Cft**		
				@	**Rs.**		**2,000.00**		**%Cft**	**Rs.**	**4890**
										Total	**110812**

Net Total	**=**	**10012569**	**(-)**	**110812**	**=**	**9901757**

add 3% Contigency 297053

Total **10198810**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

Renovation OF Chest Ward".(GROUND FLOOR)

MRS 1 JULY 2022 TO 31 DECEMBER 2022.

1 Removing door with chowkat.

	1	x	16		=	16	No.
				Total	=	**16**	**No.**
				@ 438.00		Each	**7008**

2 Removing windows and sky lights with chowkat.

	1	x	20		=	20	No.
				Total	=	**20**	**No.**
				@ 341.50		Each	**6830**

3 Petty repair to main room

	1	x	8		=	8	No.
				Total	=	**8**	**No.**
				@ 1116.65		Each	**8933**

4 Petty repair to small room

	1	x	4		=	4	No.
				Total	=	**4**	**No.**
				@ 558.25		Each	**2233**

5 Dismantling Glazed Or encaustic tile

w.c	4	x	2	(3-1/2	+	6 1/4	)	5	=	219	Sft	
	2	x	2	(3-1/2	+	5 1/4	)	5	=	184	Sft	
	3	x	2	(5-1/4	+	6 3/8	)	5	=	335	Sft	
								Total	=	**738**	Sft	
								@ 2335.85		%sft		**17239**

6 Dismantling cement concrete 1:2:4 plain.

Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft		
nursing station	1	x	16	x	11	x	1/8	=	22	Cft		
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft		
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft		
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft		
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft		
	1	x	21	x	7	x	1/8	=	18	Cft		
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft		
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft		
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft		
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft		
ver	1	x	98	x	7	x	1/8	=	86	Cft		
ver	1	x	98	x	9	x	1/8	=	110	Cft		
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft		
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft		
							Total	=	**656**	**Cft**		
							@ 11174.60		%Cft			**73266**

7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):

Dr.Rom	1	x	11-1/2	x	11 5/6	x	1/8	=	17	Cft

nursing station	1	x	16	x	11	x	1/8	=	22	Cft	
Labor rom	1	x	7-5/8	x	11 4/9	x	1/8	=	11	Cft	
Obs. Bed	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Nursery	1	x	11 4/9	x	11 4/9	x	1/8	=	16	Cft	
coridor	1	x	64-21/50	x	7	x	1/8	=	56	Cft	
	1	x	21	x	7	x	1/8	=	18	Cft	
Formula	1	x	7-5/24	x	11 4/9	x	1/8	=	10	Cft	
Ward	1	x	62-1/4	x	33 1/6	x	1/8	=	258	Cft	
toilet	4	x	3-1/2	x	6 1/4	x	1/8	=	11	Cft	
bed	1	x	7-3/8	x	13	x	1/8	=	12	Cft	
ver	1	x	98	x	7	x	1/8	=	86	Cft	
ver	1	x	98	x	9	x	1/8	=	110	Cft	
toilet	2	x	3-1/2	x	5 1/4	x	1/8	=	5	Cft	
bath	3	x	5-1/4	x	6 3/8	x	1/8	=	13	Cft	
							Total	=	**656**	**Cft**	
						@	38126.10		%Cft		**249973**

8 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved esign,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 (i) 600 mm x 600 mm

Dr.Rom	1	x	11-1/2	x	11 5/6	=	136	sft	
Obs. Bed	1	x	7-5/24	x	11 4/9	=	82	sft	
Nursery	1	x	11 4/9	x	11 4/9	=	131	sft	
coridor	1	x	64-21/50	x	7	=	451	sft	
	1	x	21	x	7	=	147	sft	
Formula	1	x	7-5/24	x	11 4/9	=	82	sft	
Ward	1	x	62-1/4	x	33 1/6	=	2064	sft	
toilet	4	x	3-1/2	x	6 1/4	=	88	sft	
bed	1	x	7-3/8	x	13	=	95	sft	
ver	1	x	98	x	7	=	686	sft	
ver	1	x	98	x	9	=	882	sft	
toilet	2	x	3-1/2	x	5 1/4	=	37	sft	
bath	3	x	5-1/4	x	6 3/8	=	100	sft	
nursing station	1	x	16	x	11	=	176	sft	
Labor rom	1	x	7-5/8	x	11 4/9	=	87	sft	
						Total	=	**5244**	**Sft**
					@	340.50		P.Sft	**1785582**

10 Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 600 mmX600 mm

1	x	2	x(	11-1/2	+	11 5/6	)x	4	=	187 Sft
1	x	2	x(	7-5/24	+	11 4/9	)x	4	=	149 Sft
1	x	2	x(	11 4/9	+	11 4/9	)x	4	=	183 Sft
1	x	2	x(	64-21/50	+	7	)x	4	=	571 Sft

1	x	2	x(	21	+	7	)x	4	=	224	Sft	
1	x	2	x(	7-5/24	+	11 4/9	)x	6	=	224	Sft	
1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft	
1	x	2	x(	7-3/8	+	13	)x	6	=	244	Sft	
1	x	2	x(	98	+	7	)x	4	=	840	Sft	
1	x	2	x(	98	+	9	)x	4	=	856	Sft	
1	x	2	x(	16	+	11	)x	4	=	216	Sft	
								Total	**=**	**4839**	**Sft**	
		9	x	3-1/2	x	6			=	189	Sft	
								Total	**=**	**189**	**Sft**	
								N.Total	**=**	**4650**	**Sft**	
								@	340.50	P.Sft		**1583182**

i Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting /dado of specified size, Color and Shadewith adhesi ve/ 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 (i) 400 mmX400 mm

4	x	2	x(	3-1/2	+	6 1/4	)x	7	=	546	Sft	
2	x	2	x(	3-1/2	+	5 1/4	)x	7	=	245	Sft	
3	x	2	x(	5-1/4	+	6 3/8	)x	7	=	488	Sft	
								Total	**=**	**1279**	**Sft**	
		18	x	2-1/2	x	7			=	315	Sft	
								Total	**=**	**315**	**Sft**	
								N.Total	**=**	**964**	**Sft**	
								@	292.65	P.Sft		**282188**

14 Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat

vanity shelf		2	x	8	x	2			=	32	Sft	
								Total	**=**	**32**	**Sft**	
								@	1231.30	P.Sft		**39402**

15 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.

		4	x	3	x	6-7/8			=	83	Sft	
								Total	**=**	**83**	**Sft**	
								@	502.20	P.Sft		**41683**

16 Providing and fixing openable Door comprising of 3-mm thick UPVC Hollow porfile chowkat frame of 60 mm x 64 mm and leaf frame 60 mmx106 mm Both duly reinforced with G.I bx frame inside the void with 20 mm wide panel with grooves on Both side i/c cost of hardware hinges four bolt locks complete in all respect as approved by the Engineer Incharge

		9	x	2-1/2	x	7			=	158	Sft	

		1	x	3-1/2	x	7		=	25	Sft
							Total	=	**183**	**Sft**
	NON SCHEDULE						@ 880.00		P.Sft	**161040**
17	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-cha rge.									
		2	x	7	x	12		=	168	Sft
							Total	=	**168**	**Sft**
							@ 1437.60		P.Sft	**241517**
19	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm 25mm at center and size45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches,wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 2 mm thick									
	w1	20	x	6	x	6		=	720	Sft
							Total	=	**720**	**Sft**
							@ 1348.40		P.Sft	**970848**
20	Providingandfixing AluminumFlys creencomprisingof Fiber/ Aluminumwireguaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coa ted of size 1-1/2"x1/2" and 1.6mmthick withrubber ga s keti/c costofHardwares asapproved and directed by the engineer incharge. complete in all respect.									
	w1	1/2 20	x	6	x	6		=	360	Sft
							Total	=	**360**	**Sft**
							@ 493.05		P.Sft	**177498**
21	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									
	w1	20	x	6	x	6		=	720	Sft
							Total	=	**720**	**Sft**
							@ 854.70		P.Sft	**615384**
22	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:(One coat)									

	1	x	2	(	33	+	111	)	16	=	4608	Sft	
									Total	=	**4608**	**Sft**	
	Dedution												
			18	x	6	x	6			=	648	Sft	
			2	x	3	x	3			=	18	Sft	
									Total	=	**666**	**Sft**	
									N.Total	=	**3942**	**Sft**	
								@	3319.85		P.Sft		**130868**
23	Painting door and windows 2 coats G.F												
	D		1	x	4 1/2	x	8 1/2			=	38	Sft	
	D		12	x	4	x	8 1/2			=	408	Sft	
			2	x	3	x	8 1/2			=	51	Sft	
	W		10	x	8	x	7			=	560	Sft	
			12	x	8	x	8			=	768	Sft	
	c.w		3	x	4	x	7			=	84	Sft	
	c.w		3	x	3	x	7			=	63	Sft	
									Total	=	**1972**	**Sft**	
								@	1667.55		%.Sft		**32884**
24	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" Long												
			2	x	4					=	8	No	
									Total	=	**8**	**No**	
								@	926.00		Each		**7408**
25	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 mes hes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws.												
	w		10	x	2	x	2			=	40	Sft	
									Total	=	**40**	**Sft**	
								@	171.30		P.Sft		**6852**
26	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.												
	w		12	x	2	x	2			=	48	Sft	
									Total	=	**48**	**Sft**	
								@	112.85		P.Sft		**5417**
27	Preparing surface and painting with emulsin paint:-(2 coat on old Distempered surface)												
	Dr.Rom		1	x	11-1/2	x	11 5/6			=	136	sft	
	nursing station		1	x	16	x	11			=	176	sft	
	coridor		1	x	64-21/50	x	7			=	451	sft	
			1	x	21	x	7			=	147	sft	
	toilet		4	x	3-1/2	x	6 1/4			=	88	sft	
	ver		1	x	98	x	7			=	686	sft	
	ver		1	x	98	x	9			=	882	sft	
	toilet		2	x	3-1/2	x	5 1/4			=	37	sft	
	bath		3	x	5-1/4	x	6 3/8			=	100	sft	

Labor rom	1	x	7-5/8	x	11 4/9			=	87	sft		
Obs. Bed	1	x	7-5/24	x	11 4/9			=	82	sft		
Nursery	1	x	11 4/9	x	11 4/9			=	131	sft		
Formula	1	x	7-5/24	x	11 4/9			=	82	sft		
Ward	1	x	62-1/4	x	33 1/6			=	2064	sft		
bed	1	x	7-3/8	x	13			=	95	sft		
							Total	**=**	**5244**	**Sft**		
						@	1667.75		%.Sft			**87457**

28 Preparing surface and painting with emulsin paint:-(2 coats on old surface after scraping)

1	x	2	x(	11-1/2	+	11 5/6	)x	8	=	373	Sft	
1	x	2	x(	16	+	11	)x	8	=	432	Sft	
1	x	2	x(	64-21/50	+	7	)x	6	=	857	Sft	
1	x	2	x(	21	+	7	)x	6	=	336	Sft	
1	x	2	x(	98	+	7	)x	8	=	1680	Sft	
1	x	2	x(	98	+	9	)x	8	=	1712	Sft	
1	x	2	x(	7-5/8	+	11 4/9	)x	8	=	305	Sft	
1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft	
1	x	2	x(	11 4/9	+	11 4/9	)x	8	=	366	Sft	
1	x	2	x(	7-5/24	+	11 4/9	)x	8	=	298	Sft	
1	x	2	x(	62-1/4	+	33 1/6	)x	6	=	1145	Sft	
1	x	2	x(	7-3/8	+	13	)x	8	=	325	Sft	
							Total	**=**	**8128**	**Sft**		
						@	2796.55		%.Sft			**227301**

29 1/2" thick cement plaster 1:4

5	x	2	(	30	+	20	)	2	=	1000	Sft	
		4	x	10	x	7			=	280	Sft	
								Total	**=**	**1280**	**Sft**	
							@	3241.60		%Sft		**41492**

31 Dismantling 2nd class tile roofing.

1	x	32 1/2	x	61					=	1983	Sft	
								Total	**=**	**1983**	**Sft**	
							@	1,269.85		%Sft		**25175**

32 Providing and applying torch-on plain waterproofing bitumenous membrane of specified thickness (made of Roof -Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 primer i/c preparation/smoothen the surface complete in all respect as approved and di rected by the Engineer Incharge i) 3 mm thick

1	x	32 1/2	x	61					=	1983	Sft	
								Total	**=**	**1983**	**Sft**	
							@	90.75		P.Sft		**179912**

33 Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressi ve strength 250-400 kpa, R-val ue 5 per inch thickness and water obsorpt ion (1% by vol ume, cl osed cel l type structure) i/c cutting and placing in posi tion. complete in al l respect.
b) 1-1/2" thick

1	x	32 1/2	x	61	=	1983 Sft

					Total	=	**1983**	**Sft**	
				@	9,459.55		%Sft		**187536**
34	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster wi thout Bhoosa, grouted wi th cement sand 1:3 on top of RCC roof slab, provided without 34 lbs. per %Sf t. or 1.72 Kg/Sq.m bitumen coating sand bl inded.								
	1	x	32 1/2	x	61		=	1983	Sft
					Total	=	**1983**	**Sft**	
				@	7400.85		%Sft		**146722**
35	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
	1	x	10			=	10	No	
					Total	=	**10**	**No**	
				@	854.35		Each		**8544**
i	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.								
	1	x	10	x	14	=	140	Rft	
					Total	=	**140**	Rft	
				@	325.95		P.Rft		**45633**
ii	Rain water down pipe cast iron head fixed in place including cost of clamp holdfast and painting								
	1	x	10			=	10	No	
					Total	=	**10**	**No**	
				@	887.40		Each		**8874**
iii	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.								
	2	x	10			=	20	No	
					Total	=	**20**	**No**	
				@	469.95		Each		**9399**
36	Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge								
	1	x	10	x	5	=	50	Rft	
					Total	=	**50**	Rft	
	NON SCHEDULE			@	580.00		P.Rft		**29000**
37	Provision Of Sanitory Fittings						3663	Sft	
				@	120.00		P.Sft		**439560**
38	Provision Of internal Electric Fittings						3663	Sft	
	Replace switches and board			@	114.00		P.Sft		**417582**
							Total		**8301419**

Credit of Old Material

1	Old damaged door								
	1	x	16			=	16	No	
					Total	=	**16**	**No**	
				@	2000.00		Each		**32000**
2	Old damaged Mild Steel window								

					1	x	20			=	20	No	
									Total	=	**20**	**No**	
								@	1500.00		Each		**30000**
3	Old tiles										SFT		
	1	x	1983	x	0.7	x	3.5	=	4857	**Nos**			
				Total				=	**4857**	**Nos**			
					@	**Rs.**		**3,000.00**		**%0Nos**		**Rs.**	**14571**
4	Brick Bats												
	1	x	1983	x	0.30	x	0.125	=	74	**Cft**			
				Total				=	**74**	**Cft**			
					@	**Rs.**		**2,000.00**		**%Cft**		**Rs.**	**1487**
											Total		**78058**

Net Total	=	**8301419**	**(-)**	**78058**	=	**8223361**

add 3% Contigency 246701

Total **8470062**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

DHQ Hospital Vehari

Provision of HT, LT Panels & Including Power Wiring

S.#		Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**				
1	**Construction of ELECTRICAL ROOM**	1		As per requirement	
2	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	MDB				
	(i) LT Switchboards				
	(a) 2.50 Ft deep	1	each	4,372.45	196760.25
	(i) 1000A (3.0x6'x2.5')				
	Incoming From OPD Block 630KVA Transformer				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 500A(36 KA) 1*1=1	1	each	62,433.00	62433
	(b) Tripple Pole 300A(36 KA) 1*1=1	1	each	62,433.00	62433
	MDB-1(For PDBs)				
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Incoming From OPD Block 630KVA Transformer				
	(i) LT Switchboards				
	(a) 2.50 Ft deep	1	each	3,433.80	154521
	(i) 500A (3.0x6'x2.5')				
	Incoming breakers for MDB-1				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 500A(36 KA) 1*1=1	1	each	62,433.00	62433
	Outgoing breakers for MDB-1				
	(a) Tripple Pole 100A(36 KA) 1*2=2	2	each	17,433.00	34866
	(b) Tripple Pole 150A(36 KA) 1*2=2	2	each	18,093.00	36,186.00

S.#			Qty:	Unit	Rate	Amount
	(c)	Tripple Pole 200A(36 KA) 1*1=1	1	each	39,813.00	39,813.00
4		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For OPD Ground Floor)				
	(a)	6" deep				
	(ii)	150A (3'x3'x12")	1	each	13,765.05	123885.45
		Incoming Breakers for PDBs (For OPD & Emergency)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 150A(36 KA) (1*2=2)	2	each	18,093.00	36186
		Outgoing Breakers for PDBs (For OPD & Emergency)				
	2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(10 KA) (1*2=2)	2	each	8,433.00	16866
	(b)	Single Pole 32A(10 KA) (5*2=10)	10	each	1,298.65	12986.5
	(d)	Single Pole 16A(10 KA) (13*2=26)	26	each	1,298.65	33764.9
5		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For F.F OPD Block)				
	(a)	6" deep				
	(ii)	200A (3'x4'x12")	1	each	4,497.00	40473
		Incoming Breakers for PDBs (For F.F OPD Block)				
		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 200A(36 KA) (1*2=2)	2	each	39,813.00	79626
		Outgoing Breakers for PDBs (For F.F OPD Block)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (3*2=6)	6	each	8,433.00	50598
	(b)	Single Pole 32A(10 KA) (8*2=16)	16	each	1,298.65	20778.4

S.#			Qty:	Unit	Rate	Amount
	(c)	Single Pole 16A(10 KA) (8*2=16)	16	each	1,298.65	20778.4
8		P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
		ATS (for 200 KVA Generator and Transformer)				
		Incoming from Generator and ATS for dual supply				
	(a)	2.00 Ft deep	3	each	1,833,651.55	5500954.65
	(ii)	200KVA				
		Incoming from ATS For Dual Supply (For Generator and 200 KVA Transformer)				
		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 300A(36 KA) 1*3=3	3	each	62,433.00	187299
		Outgoing Breakers For ATS (for 200 KVA Generator and Transformer)				
		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.				
	(c)	Tripple Pole 100A(36 KA) 3*3=9	9	each	17,433.00	156897
8		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		LDBs (OPD Block Ground Floor & 1st Floor)				
	(a)	6" deep				
	(ii)	63A (18"x24"x6")	4	each	18,691.40	84111.3
		Incoming Breakers for LDBs (OPD Block Ground Floor & 1st Floor)				
		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 63A(36 KA) (3*2=6)	6	each	11,253.00	67518
		Outgoing Breakers for LDBs (For Wards)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				

S.#			Qty:	Unit	Rate	Amount
	(a)	Single Pole 20A(10 KA) (5*3=15)	15		1,298.65	19479.75
	(b)	Single Pole 16A(10 KA) (5*3=13)	15		1,298.65	19479.75
	(c)	Single Pole 10A(10 KA) (7*3=21)	21		1,298.65	27271.65
B	**LT POWER CABLE.**					
	1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer and MDB-1)**	250	rft	3,749.40	937350
	2	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For PDBs)**	450	rft	1,900.09	855040.5
	3	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(For LDBs and ACs)**	550	rft	160.2	88110
	4	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	86.55	8655
	5	3/0.91 mm (3/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	79	7900
	6	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	43.2	4320
		TOTAL				9491168.2
		Add 3% Contingency				284735
		TOTAL				9775903.246

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

DHQ Hospital Vehari

Provision of HT, LT Panels & Including Power Wiring

	Qty:	Unit	Rate	Amount
UB-STATION EQUIPMENT:				
Construction of ELECTRICAL ROOM	1		As per requirement	
ted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of n lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector er selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge be Paid				
hboards				
ep				
0x6'x2.5')				
From OPD Block 630KVA Transformer				
,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in 3s and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
le 500A(36 KA) 1*1=1	1	each	62,433.00	62433
le 300A(36 KA) 1*1=1	1	each	62,433.00	62433
DBs)				
ted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type) Powder coated Paint i/c the cost of n lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector er selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge be Paid				
From OPD Block 630KVA Transformer				
hboards				
cep				
x6'x2.5')				
breakers for MDB-1				
,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in 3s and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
le 500A(36 KA) 1*1=1	1	each	62,433.00	62433
breakers for MDB-1				
le 100A(36 KA) 1*2=2	2	each	17,433.00	34866
le 150A(36 KA) 1*2=2	2	each	18,093.00	36,186.00

	Qty:	Unit	Rate	Amount
ole 200A(36 KA) 1*1=1	1	each	39,813.00	39,813.00
nounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost ndication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt witch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Incharge (Breakers will be Paid Separately).				
r OPD Ground Floor)				
3'x12")	9	each	13,765.05	123885.45
Breakers for PDBs (For OPD & Emergency)				
,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in Bs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
ole 150A(36 KA) (1*2=2)	2	each	18,093.00	36186
Breakers for PDBs (For OPD & Emergency)				
Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / DER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of ecessary wire complete in all respect as approved and directed by the Engineer Incharge.				
ole 63A(10 KA) (1*2=2)	2	each	8,433.00	16866
e 32A(10 KA) (5*2=10)	10	each	1,298.65	12986.5
e 16A(10 KA) (13*2=26)	26	each	1,298.65	33764.9
nounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost ndication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt witch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the ncharge (Breakers will be Paid Separately).				
r F.F OPD Block)				
4'x12")	12	each	4,497.00	40473
Breakers for PDBs (For F.F OPD Block)				
,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in Bs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
le 200A(36 KA) (1*2=2)	2	each	39,813.00	79626
Breakers for PDBs (For F.F OPD Block)				
nstallation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / ER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of cessary wire complete in all respect as approved and directed by the Engineer Incharge.				
le 63A(36 KA) (3*2=6)	6	each	8,433.00	50598
e 32A(10 KA) (8*2=16)	16	each	1,298.65	20778.4

	Qty:	Unit	Rate	Amount
ble 16A(10 KA) (5*2=10)				
mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Switch,Ammeter selector switch,Current Transformers and Contorles Complete in all respect as approved and directed by the Incharge (Breakers will be Paid Separately).	10	each	1,298.65	12986.5
or OLD Emergency Block)				
x4'x12")				
Breakers for PDBs ((For OLD Emergency Block & New OPD)			4,497.00	40473
, Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in Bs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
ble 150A(36 KA) (1*2=2)				
Breakers for PDBs (For OLD Emergency Block & New OPD)	2	each	18,093.00	36186
Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / DER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of cessary wire complete in all respect as approved and directed by the Engineer Incharge.				
ble 63A(36 KA) (2*2=4)				
e 32A(10 KA) (5*2=10)	6	each	8,433.00	50598
e 16A(10 KA) (8*2=16)	10	each	1,298.65	12986.5
ounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost ndication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt witch,Ammeter selector switch,Current Transformers and Contorles Complete in all respect as approved and directed by the ncharge (Breakers will be Paid Separately).	16	each	1,298.65	20778.4
=Ortho & C.C.U & Children)				
8'x12")				
Breakers for PDBs (For Ortho & C.C.U & Children)	18	each	5,131.05	92358.9
Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in s and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
e 150A(36 KA) (1*2=2)				
Breakers for PDBs (For Ortho & C.C.U & Children)	2	each	18,093.00	36186
Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / ER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of essary wire complete in all respect as approved and directed by the Engineer Incharge.				
e 63A(36 KA) (7*2=14)				
32A(10 KA) (8*2=16)	14	each	8,433.00	118062
	16	each	1,298.65	20778.4

	Qty:	Unit	Rate	Amount
16A(10 KA) (8*2=16)	16	each	1,298.65	20778.4
ounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 wder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing s from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, t breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, nge : cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, s complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
00 KVA Generator and Transformer)				
rom Generator and ATS for dual supply				
p	3	each	1,833,651.55	5500954.65
rom ATS For Dual Supply (For Generator and 200 KVA Transformer)				
Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in ; and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
e 300A(36 KA) 1*3=3	3	each	62,433.00	187299
Breakers For ATS (for 200 KVA Generator and Transformer)				
Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in ; and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
e 100A(36 KA) 3*3=9	9	each	17,433.00	156897
ounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost lication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt vitch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the charge (Breakers will be Paid Separately).				
) Block Ground Floor & 1st Floor)				
24"x6")	45	each	18,691.40	84111.3
Breakers for LDBs (OPD Block Ground Floor & 1st Floor)				
Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in ; and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
e 63A(36 KA) (3*2=6)	6	each	11,253.00	67518
Breakers for LDBs (For Wards)				
stallation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / R GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of essary wire complete in all respect as approved and directed by the Engineer Incharge.				

	Qty:	Unit	Rate	Amount
e 20A(10 KA) (5*3=15)	15		1,298.65	19479.75
e 16A(10 KA) (5*3=13)	15		1,298.65	19479.75
e 10A(10 KA) (7*3=21)	21		1,298.65	27271.65
CABLE:				
(37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For Transformer and MDB-1)	250	rft	3,749.40	937350
(19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable (For PDBs)	450	rft	1,900.09	855040.5
(7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid /ire/trenches. etc (For LDBs and ACs)	550	rft	160.2	88110
(7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid /ire/trenches. etc (for Internal Wiring of Hospital)	100	rft	86.55	8655
(3/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid /ire/trenches. etc (for Internal Wiring of Hospital)	100	rft	79	7900
(3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid /ire/trenches. etc (for Internal Wiring of Hospital)	100	rft	43.2	4320
TOTAL				9491168.2

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11 Providing and laying floor of mosaic/Terrazo marble chips tiles 2"(50 mm) thick of approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and lishing, complet

nursing station	1	x	16	x	11	= 176	sft
					Total	= **176**	**Sft**
				@	32010.00	%.Sft	**56338**

12 Tile skirting laid in 1:2 cement mortar, over ¾"(20 mm) thick cement mortar, 1:2 including cement washing and filling joints complete:-(b) mosaic/terrazo tiles

1	x	2	x(	16	+	11	)x	4	= 216	Sft
								Total	= **216**	**Sft**
1	x	3-1/2	x	6					= 21	Sft
								Total	= **21**	**Sft**
								N.Total	= **195**	**Sft**
							@	22866.35	%.Sft	**44589**

13 Providing & Laying Anti Microbial /Anti-Static Self Leveling Pvc Merp Conductive Epoxy Flooring / Dado (Imported) To Avoid Eriction With All Chemical Composition Labour And Carriage Charges Etc As Approved By The Engineer Incharge

Labor rorn	1	x	7-5/8	x	11 4/9	= 87	sft
					Total	= **87**	**Sft**
NON SCHEDULE					@ 1134.00	P.Sft	**0**

14 Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/ Shelves/ Treads/Window Cills, having Uniform texture (Spotless) withadhesivebond over 3/4" thick (1:2) cement sa nd mortori/c.the cost of matchings ea ler completein all res pects as approved and directed by the Engineer Incharge.Ziarat

vanity shelf	2	x	8	x	2	= 32	Sft
					Total	= **32**	**Sft**
				@	1231.30	P.Sft	**39402**

15 P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5mm thick commercial ply over 1" thick packing woodinstyle 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.

4	x	3	x	6-7/8		= 83	Sft
					Total	= **83**	**Sft**
				@	678.55	P.Sft	**56320**

16 Providing and fixing UPVC Door 38-mm thickness i/c Deluex matching color UPVC frame matt or Glossy Finish having color(white Gray Marble Gray Oak Wood Dard Oak Wood Coffee Wood Honey Pine Wood Mahagony Marry Gold Chocolate Brown Honey Dew i/c all accessories i/c locks complete in all respect as approved by the Engineer Incharge

9	x	2-1/2	x	7		= 158	Sft
1	x	3-1/2	x	7		= 25	Sft
					Total	= **183**	**Sft**
NON SCHEDULE					@ ~~880.00~~ 928	P.Sft	**0**

17 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-cha rge.

2	x	7	x	12		= 168	Sft
					Total	= **168**	**Sft**
					@ 1437.60	P.Sft	

External Development

General Abstract

Sr. No.	Description of Items	Amount	Remarks
1	Swerage System	4615520	
2	Provision of Street Lights	3630279/- ~~16092426~~	
3	Water Supply	2440773/- ~~80000~~	
~~4~~	~~Tuff Paver Walk way~~	~~6969934~~	
	Total	10706572 ~~27757880~~	

37% ~~832936~~ 321197/-

~~2859616~~

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Say Rs ~~2859616~~

~~2859616~~

~~2859616~~

11027698/-

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Sewerage Work

1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- ft. to 7.0 ft.

	1	x	1200	x	4	x	7	=	33600	Cft
	1	x	1500	x	1-1/2	x	3	=	6750	Cft
							Total	=	**40350**	**Cft**
						@	9016.70		%0Cft	**363824**

2 P/L RCC pipe moulded with cement concrete 1:1-1/2:3 with spigot socket or collar joint, etc i/c cost of reinforcement conforming to B.S.5911 Part-I, 1981 Class-L i/c carriage of pipe from factory to site of work lowering in trenches complete in all respect **9" dia**

			1	x	1200			=	1200	R.ft
							Total	=	**1200**	**R.ft**
						@	528.30		P.Rft	**633960**

ii do 12" Dia

			1	x	1500			=	1500	R.ft
							Total	=	**1500**	**R.ft**
						@	695.60		P.Rft	**1043400**

3 Construction of man-hole

	1	x	54					=	54	No.
							Total	=	**54**	**No.**
						@	46407.95		Each	**2506029**

4 Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovelry soil.

	Take 2/3 of Item No. 1							=	26900	Cft
							Total	=	**26900**	**Cft**
						@	2539.30		%0Cft	**68307**
									Total	**4615520**

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ANALYSIS OF RATE FOR MANHOLE

M.R.S B-I (1st July 2022 to 31 December: 2022)

1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth				
	1.00 x 4.500 x 4.500 x 7.000	142			
		142	Cft.		
	@	9016.70	%oCft.		1278
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge in F & P 1:6:12.				
	1.00 x 4.500 x 5.000 x 0.500	11			
		11	Cft.		
	@	21060.85	%Cft.		2369
3	Pucca brick work in 1:4 in other than building upto 10' height.				
	2.00 x(4.000 + 2.500)x 0.750 x 7.000	68			
		68	Cft.		
	@	30526.30	%Cft.		20834
4	Cement concrete plain, 1:2:4.				
	1.00 x 2.500 x 2.500 x 0.250	1.563			
	@	38126.10	%Sft.		596
5	Cement plaster 1:4 upto 20' height 1/2" thick.				
	1.00 x 2.000 x(2.500 + 2.500)x 7.000	70			
	1.00 x 2.000 x(4.000 + 2.500)x 0.750	10			
	1.00 x 2.000 x(4.000 + 4.000)x 0.500	8			
		88	Sft.		
	@	3241.60	%Sft.		2845
6	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20"(500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977,complete in a ll res pects .				
		1.00	no		
	@	11561.15	each		11561.
7	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (I) above not requiring form work (i.e. horizental shuttering) complete in all respects:- Type A (nominal mix 1: 2: 4).				
	1 x 4.000 x 4.000 x 0.330	5.28	Cft.		
	@	457.75	P. Cft.		2417
8	Fabrication of mild steel reinforcement for cement conc; i/c cutting bending laying in position making joints and fastenings for binding wire and labour charges for bending of steel reinforcement (also includes removal of rust from bars Deformed bars				
	Same Qty. as per Item No. 6	5.28			
	5.28 x 6 x 0.453	14.35	Kg.		
		14.35			
	@	31412.30	% Kg.		4508
		Total			**46408**

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Street Light

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

	1	x	~~74~~ 15		=	~~74~~ 15 No.	
				Total	=	**~~74~~ 15 No.**	159355 3/-
			@	106,236.85		Each	~~7861527~~

2 Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.

	1	x	~~74~~ 15		=	~~74~~ 15 No.	
				Total	=	**~~74~~ 15 No.**	14388 7/-
			@	9592.45		Each	~~709841~~

3 Supplying, installation and commissioning of LED Cobra-head Luminaries of specified wattage and lumens conforming to IP 65, Philips/Osram/Thorn with corrosion resistant die casted aluminum housing, silicon gas kit, thermally hardened glass complete with LED drivers, surge protection 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. **a) 140 Lm/Watt** v) 120 Watt with 16800 Lumens

	1	x	~~74~~ 15		=	~~74~~ 15 No.	
				Total	=	**~~74~~ 15 No.**	799528 /-
			@	53301.85		Each	~~3944337~~

4 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**(1"-dia)**

	1	x	5501		=	5501 Rft	
				Total	=	**5501 Rft**	
			@	94.60		P.Rft	**520395**

5 S/E of twin core PVC insulated copper conductor cable prelaid PVC pipe**(7/0.029"-dia)**

	~~148~~ 3000	x	4	x	25	=	~~14800~~ Rft
					Total	=	**~~14800~~ 3000 Rft**
				@	86.55		P.Rft

259650 /- ~~1280940~~

ii S/E of 2-core PVC insulated copper conductor cable prelaid PVC pipe**(7/0.044"-dia)**

	2	x	~~5501~~ 10000		=	~~11002~~ 2000 Rft	
				Total	=	**~~11002~~ 2000 Rft**	
			@	160.20		P.Rft	

320400/- ~~1762520~~

6 Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB S WITZERLAND In prelaid DBs and P anels I/c the cos t of screwes ,neces s ary wire complete In all res pect as approved and directed by the Engineer Incharge.Tripple Pole iii) 6-63 Amp (10 KA)

	1	x	2		=	2 No.	
				Total	=	**2 No.**	
			@	6433.00		Each	**12866**

WATER SUPPLY

1 Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.

	1	x	2000	x	1	x	3	= 6000	Cft
	1	x	3000	x	1	x	2-1/2	= 7500	Cft
							Total	**= 13500**	**Cft**
						@	7622.75	%0Cft	**102907**

2 Providing, laying, cutting, jointing,testing and disinfecting High Density Polyethylene Pipe(HDPE-100) working presure pipe, Beta /Dadex/ Popular /IIL orequivalent,in trenches , as approved & directed by the engineer incharge, complete in a ll res pects . **PN-10 (SDR-17)i)**

90 mm

	1	x	2000		=	2000	R.ft
				Total	**=**	**2000**	**R.ft**
				@ 240.85		P.Rft	**481700**
ii do 110 mm dia	1	x	3000		=	3000	R.ft
				Total	**=**	**3000**	**R.ft**
				@ 364.60		P.Rft	**1093800**

3 Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 mde of Crane (USA), Hatersly (UK) or Scon (Pakistan) l/c the cost of all accessories flanges,nut/bolt and gaskit where required complete in all respect as approved and directed by the Engineer Incharge.: Flange Ended Ductile Iron Valve- 4" DIA

	2	x	10		=	20	Nos
				Total	**=**	**20**	Nos
				@ 40404.00		P.Nos	**808080**

4 Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovelry soil.

	Take Qty of item No. 1				=	13500	No.
				Total	**=**	**13500**	**No.**
				@ 2539.70		Each	**34286**
						Total	**2520773**
				Credit of Old Damaged pipe			80000
				Net Total		**Rs.**	**2440773**

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Tuff Paver Walk Way

1 Dismantling brick or flagged flooring without concrete foundation.

	1	x	115	x	10	=	1150	Sft
	1	x	130	x	13	=	1690	Sft
	2	x	24	x	5	=	240	Sft
	1	x	32	x	12	=	384	Sft
	1	x	95	x	21-1/4	=	2019	Sft
D/d	1	x	38	x	4-1/4	=	162	Sft
					Total	=	**5321**	**Sft**
				@	863.50		%Sft	**45947**

2 Excavation in foundation of Buildings; bridges and other structures i.e. dag-belling, dressing, refilling, around structures with excavated earth watering and ramming lead upto one chain and lift upto 5 ft in ordinary soil.

	1	x	2000	x	10	x	3/4	=	15000	Cft
	1	x	130	x	13	x	3/4	=	1268	Cft
	2	x	24	x	5	x	3/4	=	180	Cft
	1	x	32	x	12	x	3/4	=	288	Cft
	1	x	95	x	21-1/4	x	3/4	=	1514	Cft
Toe wall	2	x	2000	x	1-1/2	x	1-1/2	=	9000	Cft
	1	x	32	x	1-1/2	x	1-1/2	=	72	Cft
	1	x	24	x	1-1/2	x	1-1/2	=	54	Cft
	1	x	95	x	1-1/2	x	1-1/2	=	214	Cft
	1	x	21-1/4	x	1-1/2	x	1-1/2	=	48	Cft
D/d	1	x	38	x	4-1/4	x	3/4	=	121	Cft
							Total	=	**27517**	**Cft**
					@	9150.25		%0Cft		**251787**

3 Dry rammed brick or stone ballast 1-1/2" to 2" guage

	1	x	2000	x	10	x	1/2	=	10000	Cft
	1	x	130	x	13	x	1/2	=	845	Cft
	2	x	24	x	5	x	1/2	=	120	Cft
	1	x	32	x	12	x	1/2	=	192	Cft
Toe wall	2	x	115	x	1-1/2	x	1/2	=	173	Cft
	1	x	32	x	1-1/2	x	1/2	=	24	Cft
	1	x	24	x	1-1/2	x	1/2	=	18	Cft
							Total	=	**11372**	**Cft**
					@	8891.50		%Cft		**1011141**

4 P/L of tuff paver tile 60mm thick having minimium cushing strenth of 7000 PSI over 2" to 3" sand cusion i/c grounting with sand in joints i/c finishing to required slope complete in all respect as approved by the Engineer Incharge (50% Grey / 50% Coloured) 60 mm thick

	1	x	2000	x	10	=	20000	Sft
	1	x	130	x	13	=	1690	Sft
	2	x	24	x	5	=	240	Sft
					Total	=	**21930**	**Sft**
				@	156.15		P.Sft	**3424370**

6 Pacca brick work in foundation and plinth 1:6 in cement sand mortar

Toe wall	2	x	2000	x	3/4	x	2-1/2	=	7500	Cft
	1	x	32	x	3/4	x	2-1/2	=	60	Cft
	1	x	24	x	3/4	x	2-1/2	=	45	Cft
							Total	=	**7605**	**Cft**
					@	27768.70		%Cft		**2111810**

7	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):1:2:4									
	Toe wall	2	x	2000	x	3/4	x	1/8	=	375 Cft
		1	x	32	x	3/4	x	1/8	=	3 Cft
		1	x	24	x	3/4	x	1/8	=	2 Cft
								Total	=	**380 Cft**
							@	38126.10	%Cft	**144879**
									Total	**6989934**
								Credit of Old bricks		20000
								Net Total	**Rs.**	**6969934**

Sub Engineer
Buildings Sub Division
Vehari

Sub Divisional Officer
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

RATE ANALYSIS FOR

Providing & Fixing Lead Sheet In X-Ray Room (03-Mm Thick) I/c Co-Nails And Covering Heads With Led Etc Complete In All Respect And As Approved By The Engineer Incharge

Unit ---------- P.Rft
Taking ---------- 32-Sft
2nd Bi-Annual 2022

A. MATERIAL

1	P/F lead sheet 02-mm thick					
	8x4	=	32	Sft		
	Add 5% wastage / over lapping	=	1.6	Sft		
	Total		**33.6**	**Sft**		
		=	@		1.875 /- Kgs/P.Sft	
		=	63		Kg	
			@		720.00 /- P.Kg	Rs: 45360/-
2	P/O Nails / Screws	=	1/4		Kg	
			@		300.00 /- P.Kg	Rs: 75/-
3	Lead for covering of heads of nails	L.S				Rs: 200/-
	Pressing charges of Lead Sheet	1	No	@	550.00 P.Job	Rs: 550/-

Total Rs: 46185/-

Add 10% sundries charges on labour only on Rs: 550/- **55/-**

Total Rs: 46240/-

Add 20% Contractor's Profit and OHC **9248/-**

Total Rs: 55488/-

Rate P.Sft = 55488 / 32 = 1734/-

Say Rs: 1730/- P.Sft

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

RATE ANALYSIS FOR

Making And Fixing Pvc Doors 1-1/2" Thick Consisting Of Pvc Frame And Pvc Leaves I/C Hinges Complete In All Respects As Approved Design /Color By The Engineer Incharge

Unit = P.Sft
Taking = 2-1/2x7 = 17.5-Sft

Based on 2nd Bi-annual 2022

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Provision of PVC Frame and Leaf i/c fitting screws (Leaf up-to 7` height) i/c carriage of material	17.5 Sft			
		17.5 Sft	P-Sft	650.00	11375
2	Providing of full hing of door leave	6.875 Rft			
		6.875 Rft	P-Rft	50.00	344
3	Cost of Screwes/ Holdfast	1 Job			
		1 Job	P.Job	250.00	250
	TOTAL - A				**11969.00**
B) LABOUR					
	i) Carpenter	0.25 No.	P-Day	1250	312.50
	ii) Helper	0.5 No.	P-Day	962	481.00
	10% SUNDRIES				79.35
	TOTAL - B				**872.85**
	G- TOTAL (A+B)				**12841.85**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				2568.37
	OVER ALL TOTAL				**15410.22**
	RATE PER Sft =			880.58	
	Say Rs: =			**880/- P. Sft**	

SUB ENGINEER

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Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Buildings Circle
Multan

ANALYSIS OF RATE FOR THE ITEM

Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

Detail of Cost=1-No.

Unit = Each

2nd Bi-annual 2022

A	**Material**					
1	Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W)	1	No	Each	11000	11000
					Total "A"	**11000**
B	**Labour**					
1	Labour for fixing / installation.	1	No	Each	1350	1350
					Total "B"	**1350**
					Total Cost ="A"+"B" =	**12350**
	Add 20% Contractor's Profit & Overhead charges on Rs.	12350	/-			2470
					Grand Total: =	**14820**

Unit Rate P Sft = 14820 / 1 14820 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

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Buildings Sub Division
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EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer

INTERNATIONAL LIGHTING SYSTEMS

32-Muhammad Arcade, Khanewal Road, Multan Ph.#061-6210632

E.mail:-sarfraz.philips@yahoo.com

PHILIPS
Sense and Simplicity
Authorized Distributor
Professional Lighting

QUOTATION
NTN # 1197280-7

M/s XEN BUILDING DIVISION # 1 MULTAN.

ur Ref. # NIL Dated:- 18-07-2022

r Ref #ILS/MUL/QUOTA/MIS-197 Dated:-19-07-2022 VALIDITY:- TWO DAYS

LIVERY:- 2-4 WEEKS PAYMENT:- ADVANCE

HER TERMS:- RATES QUOTED ARE EX-GODOWN, MULTAN

No	DESCRIPTION	QNTY	RATE	AMOUNT
1	59464 MESON 13W WH DIA 5" recessed LED PHILIPS	1	1200	1,200.00
2	59466 MESON 17W WH DIA 6" recessed LED PHILIPS	1	1500	1,500.00
3	LED PANEL 2'X2' recessed RC091LED38S/865 40W PHILIPS	1	11000	11,000.00
4	ESSENTIAL LED BULB 13W PHILIPS	1	325	325.00
5	LED BULB 20W PHILIPS	1	800	800.00
6	LED BULB TForce 30W PHILIPS	1	1400	1,400.00
7	LED BULB TForce 40W PHILIPS	1	1800	1,800.00
8	LED BULB TForce 50W PHILIPS	1	2400	2,400.00
9	LED wide Batten 30W BN005 , 4FEET PHILIPS	1	2800	2,800.00
10	LED FLOOD LIGHT 100W BVP-151 LED100/CW PHILIPS	1	19000	19,000.00
11	LED FLOOD LIGHT 200W BVP-151 LED200/CW PHILIPS	1	35000	35,000.00
12	LED STREET LIGHT 100W BRP-131 LED100/CW PHILIPS	1	40000	40,000.00
13	LED STREET LIGHT 140W BRP-132 LED140/CW PHILIPS	1	50000	50,000.00
14	ECO Q2 FOUR SINGLE POLE SWITCH PHILIPS	1	750	750.00
15	ECO Q2 SIX SINGLE POLE SWITCH PHILIPS	1	1300	1,300.00
16	ECO Q2 TWO POLE SOCKET W SINGLE POLE PHILIPS	1	570	570.00
17	ECO Q2 UNIVERSAL SOCKET 13A W SWITCH PHILIPS	1	770	770.00
18	ECO Q2 FAN SPEED REGULATOR 300W PHILIPS	1	1520	1,520.00
19	ECO Q2 TV COAXIAL PHILIPS	1	450	450.00
20	ECO Q2 TELEPHONE SOCKET PHILIPS	1	450	450.00

International Lighting Systems
HAMMAD SARFRAZ ASHRAF
0-8635494
-6210632

S.E

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

RATE ANALYSIS FOR

Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge

Unit = P.Rft
Taking = 04-Rft

2nd Bi-Annual 2022

Sr. No:	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O Stainless Steel Sheet 20-SWG					
		4x5/12	1.667 Sft			
	Add 5% Wastage		0.083 Sft			
			1.75 Sft	P.Sft	820.00	1435
2	Cost of Rowel Plugs					
		1x18	18 Nos			
			18 Nos	Each	10.00	180
3	Cost of Stainless Sankan Head Screws 1-1/2" Long					
		1x8	8 Nos			
			8 Nos	Each	5.00	40
	TOTAL - A					**1655.00**
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No.	(L.S)	25	25.00
	iii) Labour for drilling Hole		8 No.	(L.S)	20	160.00
	iiv) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					25.50
	TOTAL - B					**280.50**
	G- TOTAL (A+B)					**1935.50**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					387.1
	OVER ALL TOTAL					**2322.60**

RATE PER Rft = 580.65

Say Rs: = 580/- P. Rft

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Buildings Circle
Multan

RATE ANALYSIS FOR

Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

Unit = P.Rft
Taking = 20-Sft

2nd Bi-Annual 2022

Sr. No:	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O Stainless Steel Sheet 20-SWG	4x5	20 Sft			
	Add 5% Wastage		1 Sft			
			21 Sft	P.Sft	820.00	17220
2	Cost of Rowel Plugs	1x18	18 Nos			
			18 Nos	Each	10.00	180
3	Cost of Stainless Sankan Head Screws 1-1/2" Long	1x8	8 Nos			
			8 Nos	Each	5.00	40
	TOTAL - A					**17440.00**
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No,	(L.S)	25	25.00
	iii) Labour for drilling Hole		8 No.	(L.S)	20	160.00
	iiv) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					25.50
	TOTAL - B					**280.50**
	G- TOTAL (A+B)					**17720.50**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					3544.1
	OVER ALL TOTAL					**21264.60**

RATE PER Rft = 1063.23

Say Rs: = 1060/- P. Sft

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Buildings Circle
Multan

RATE ANALYSIS FOR

Providing & Fixing Lead Sheet In X-Ray Room (03-Mm Thick) I/c Co-Nails And Covering Heads With Led Etc Complete In All Respect And As Approved By The Engineer Incharge

Unit --------- P.Rft
Taking ---------- 32-Sft
2nd Bi-Annual 2022

A. MATERIAL

1	P/F lead sheet 02-mm thick					
	8x4	=	32	Sft		
	Add 5% wastage / over lapping	=	1.6	Sft		
	Total		**33.6**	**Sft**		
		=	@	1.875 /-	Kgs/P.Sft	
		=	63	Kg		
			@	720.00 /-	P.Kg	Rs: 45360/-
2	P/O Nails / Screws	=	1/4	Kg		
			@	300.00 /-	P.Kg	Rs: 75/-
3	Lead for covering of heads of nails	**L.S**				Rs: 200/-
	Pressing charges of Lead Sheet	1	No	@	550.00 P.Job	Rs: 550/-
						Total Rs: 46185/-
	Add 10% sundries charges on labour only on Rs: 550/-					**55/-**
						Total Rs: 46240/-
	Add 20% Contractor's Profit and OHC					**9248/-**
						Total Rs: 55488/-

Rate P.Sft = 55488 / 32 = 1734/-

Say Rs: 1730/- P.Sft

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

RATE ANALYSIS FOR

Providing and fixing Automatic 12-mm thick Tampered Glass sliding Door i/c Sensor Machine, To and Bottom Rail Etc, complete as Approved by the Engineer Incharge.

Unit = P.Sft
Taking = 12x10 = 120-Sft

Based on 2nd Bi-annual 202

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A] MATERIAL.					
1	P/O 12 mm thick Tampered Glass Waistage 5%	120 Sft 6 **126 Sft**	P.Sft	700.00	8820(
2	P/O Sensor In/Out Side Vision	1 Job **1 Sft**	P.Job	80000.00	8000(
3	P/O Motor/ Machine	1 Job **1 Sft**	P.Job	185000.00	1850(
4	P/O Floor Strip for sliding Leaf	1 No **1 No**	Each	10000.00	1000(
5	P/O Top Strip For Fixing Sensor/Mortor	1 No **1 No**	Each	15000.00	1500(
6	Electric Connection	1 No **1 No**	Each	1000.00	100(
7	Fixing Charges	1 No **1 No**	Each	15000.00	1500(
	TOTAL				**394200.00**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				7884(
	OVER ALL TOTAL				**473040.00**
	RATE PER Sft =			3942.00	
	Say Rs: =			**3900/- P. Sft**	

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Vehari

EXECUTIVE ENGINEER
Buildings Division
Vehari

Superintending Engineer
Buildings Circle
Multan

RATE ANALYSIS FOR

Providing & Laying Anti Microbial /Anti-Static Self Leveling Paint To Avoid Eriction With All Chemical Composition Labour And Carriage Charges Etc As Approved By The Engineer Incharge

(10x10=100-Sft) Take For Analysis Propose — 2nd Bi-Annual 2022

A. MATERIAL

1 Anti-static epoxy self leveling Paint / (imported) to aviodfriction with all chemical polish etc

1x10x10	=	100 Sft		
Add 5% wastage / over lapping	=	5 Sft		
Total		**105 Sft**		
		@	367 /- P.Sft	Rs: 38535/-

2 Labour Charges

Total	**105 Sft**		
	@	40 /- P.Sft	Rs: 4200/-

Total Rs: 42735/-

Add 20% Contractor's Profit and OHC **8547/-**

Total Rs: 51282/-

Rate P.Sft = 50040 / 100 = 513/-

Say Rs: 513/- P.Sft

I Certified that input rates of material and labour for the items are as per input rates displayed on web site of Finance Department 2nd Bi-Annual 2022

Sub-Divisional Officer
Buildings Sub-Division
Vehari

EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

Superintending Engineer
Building Circle Multan

Analysis of Rate:-

Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge

Thickness = 2mm

1x10x10	=	100 Sft			
5% wastages	=	5 ,,			
Total		**105 Sft**			
		@	900	P.Sft	94500
			Total	**Rs:**	**94500**
Add 20% contractor's profit and OHC				Rs:	18900
			G.Total	**Rs:**	**113400**

Rate P.Sft 113400 / 100 = 1134 P.Sft

Say Rs: 1134 P.Sft

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Vehari

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

Analysis of Rate:-

Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a . Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation

1x10x10	=	100 Sft		
5% wastages	=	5 ,,		
Total		**105 Sft**		
		@ 1500 P.Sft		157500
			Total Rs:	**157500**
Add 20% contractor's profit and OHC			Rs:	31500
			G.Total Rs:	**189000**

Rate P.Sft 189000 / 100 = 1890 P.Sft

Say Rs: = 1890 P.Sft

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Veharil

Executive Engineer
Buildings Division
Vehari

Superintending Engineer
Building Circle Multan

Analysis of Rate:-

Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm in OTs complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm.

1x10x10	=	100 Sft			
5% wastages	=	5 ,,			
Total		**105 Sft**			
		@	750 P.Sft		78750
			Total	**Rs:**	**78750**
Add 20% contractor's profit and OHC				Rs:	15750
			G.Total	**Rs:**	**94500**

Rate P.Sft 94500 / 100 = 945 P.Sft

Say Rs: = 945 P.Sft

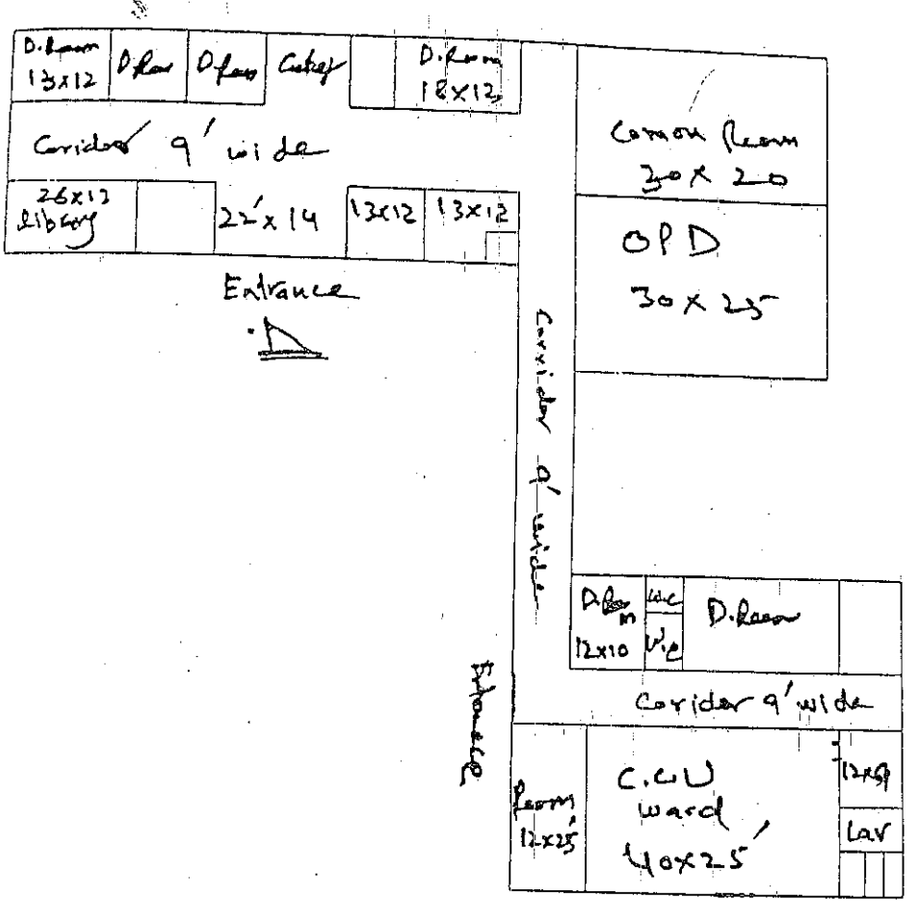
Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Vehari

Executive Engineer
Buildings Division
Vehari

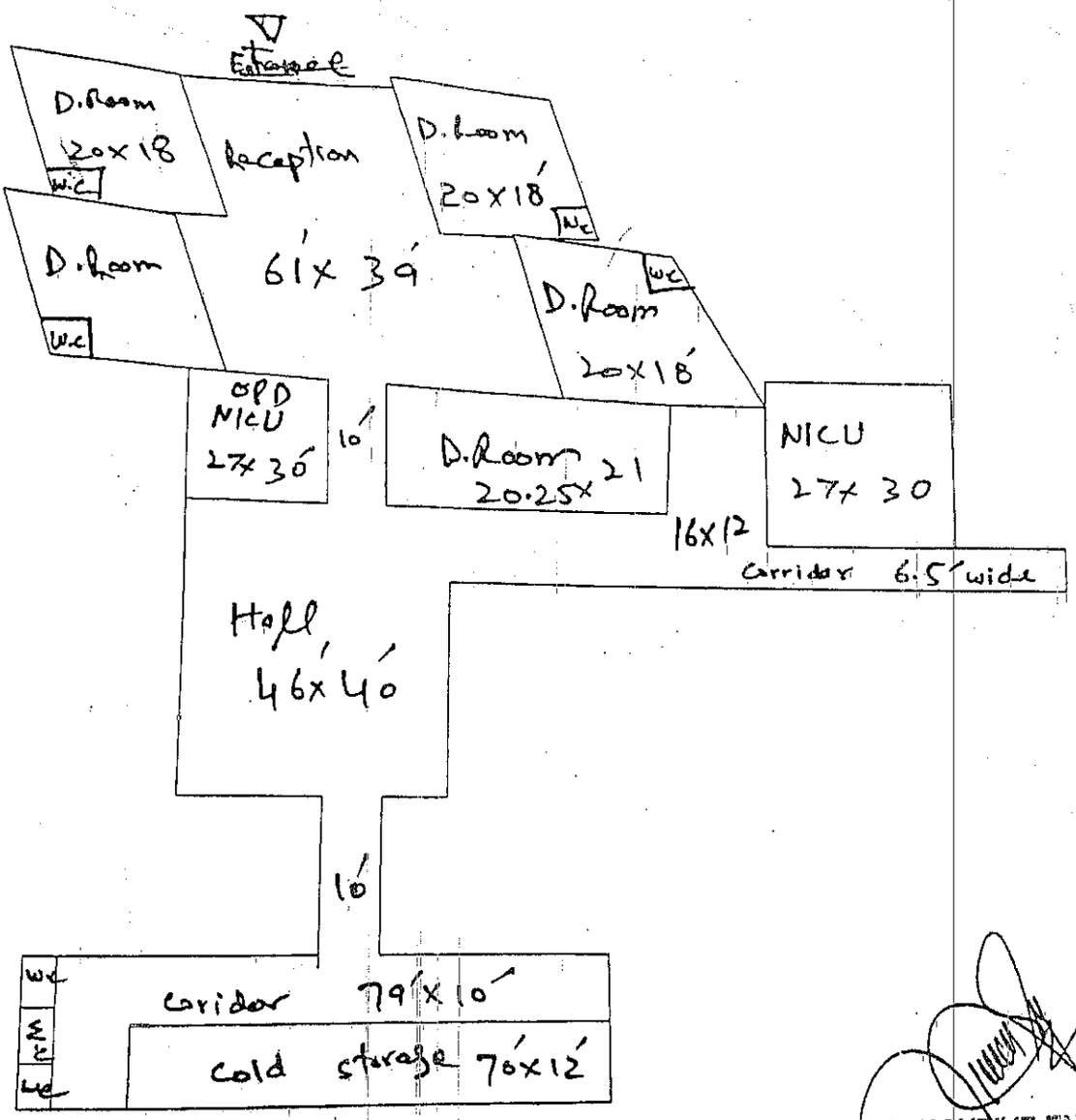
Superintending Engineer
Building Circle Multan

DRAWING OF CARDIALOGY OUT DOOR AND CARDIAC WARD DHQ HOSPITAL TEHSIL AND DISTRICT VEHARI



EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

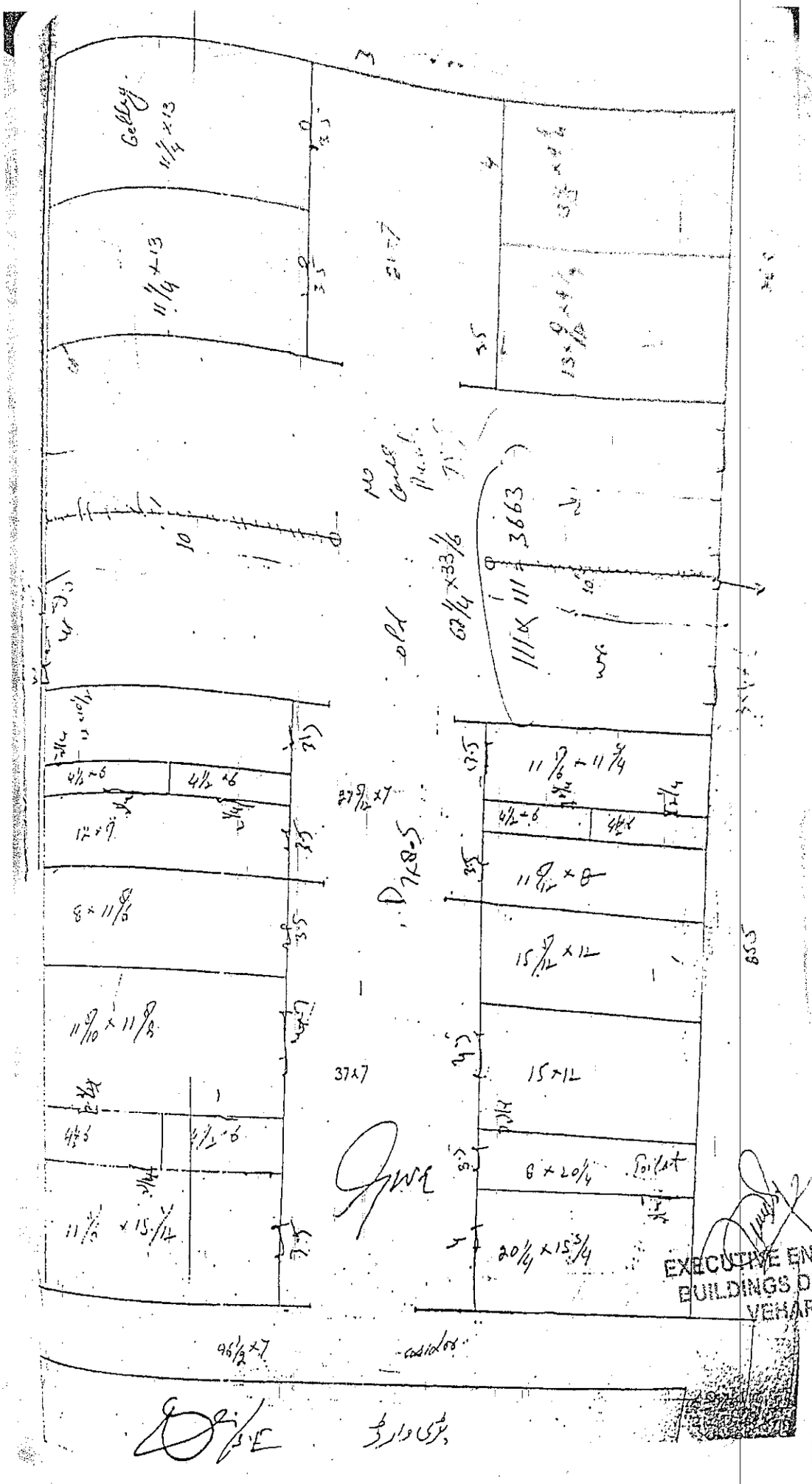
DRAWING OF CHILDREN COMPLEX DHQ HOSPITAL VEHARI



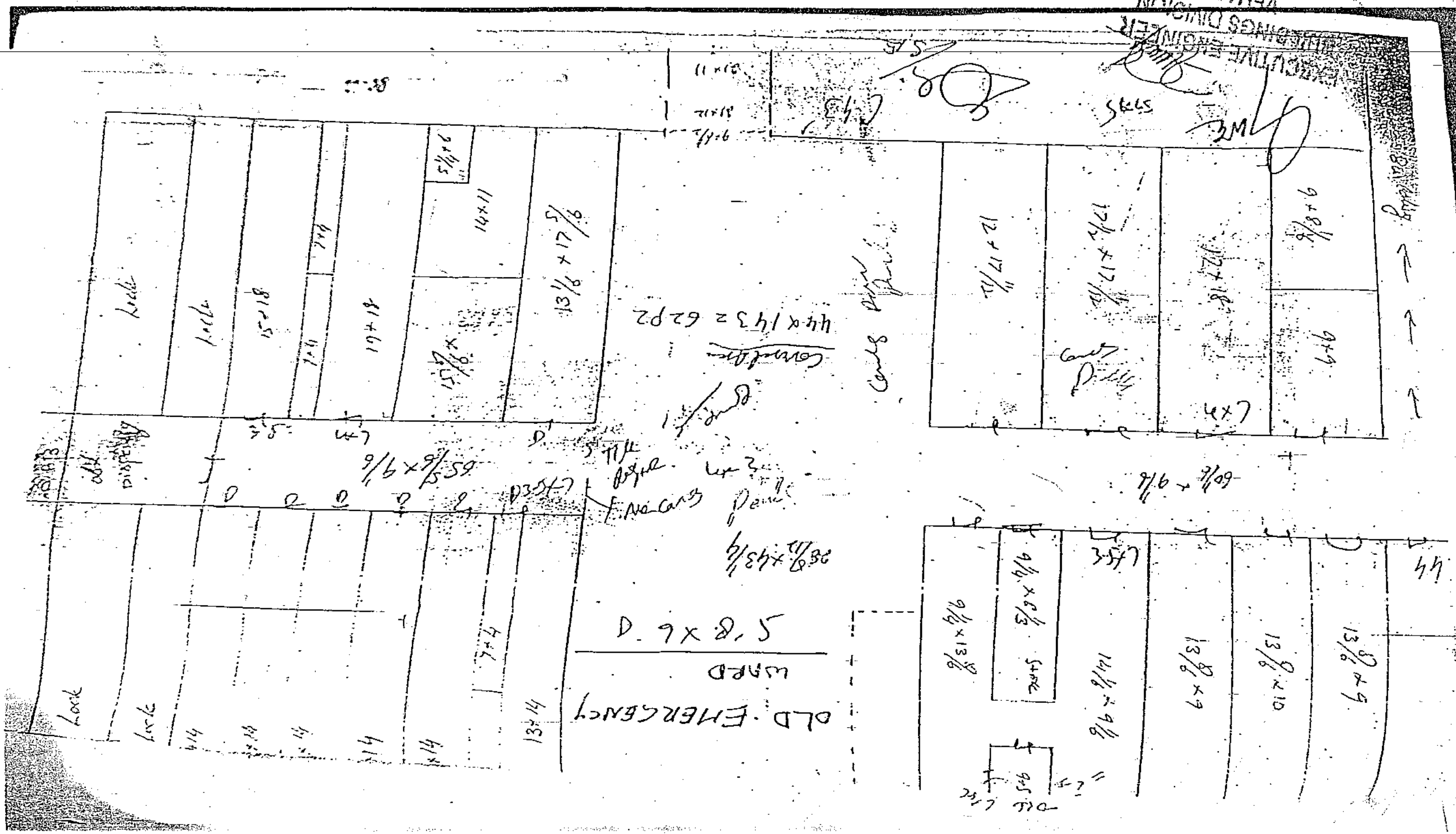
EXECUTIVE ENGINEER
BUILDINGS DIVISION
VEHARI

S.E

Ortho. Ward

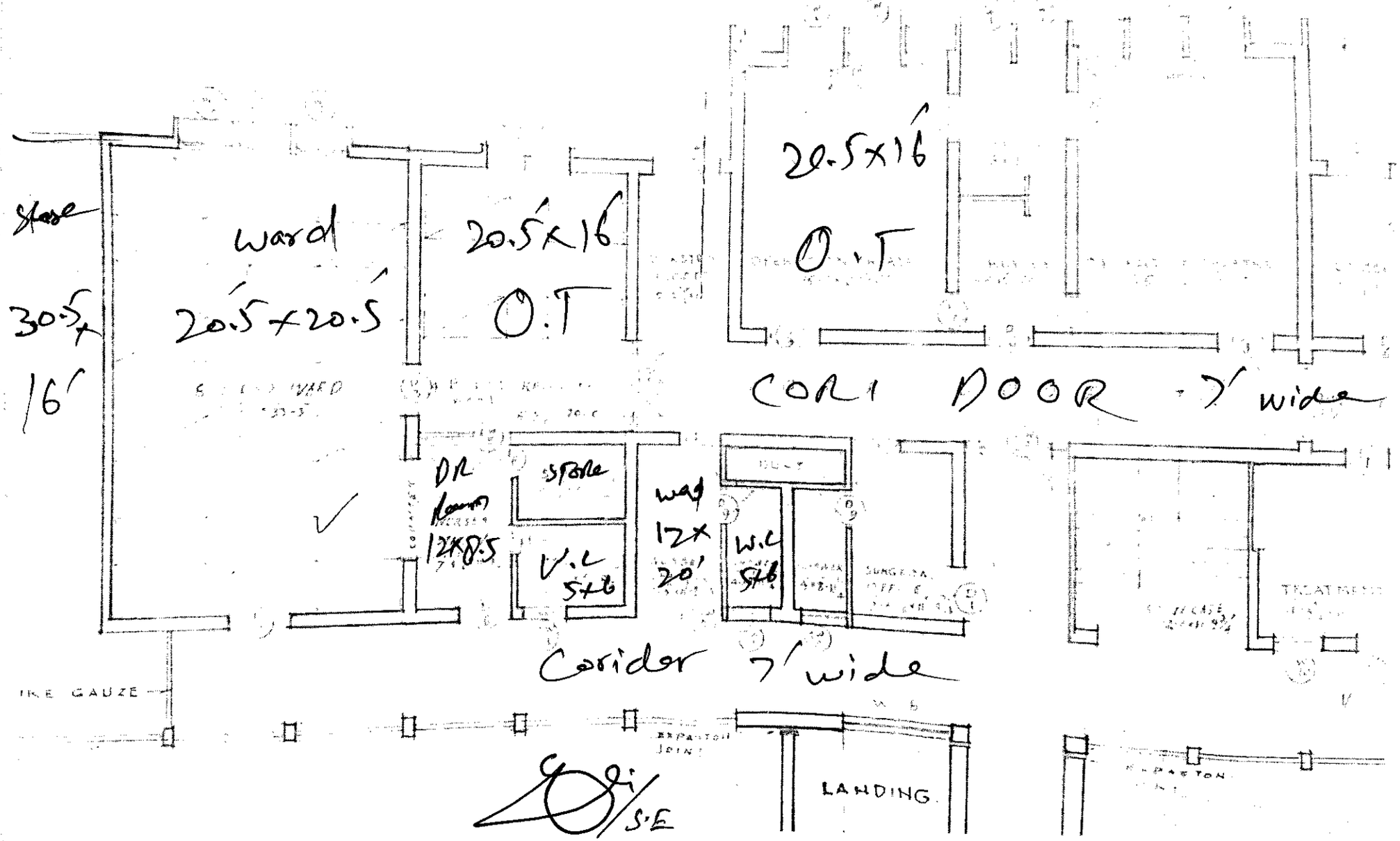


Old Emergency Ward



Surgical Unit No III First Floor

EYE OT First Floor



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:LO22010092
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2026-2027		2027-2028		2028-2029		2029-2030		2030-2031	
		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:LO22010092
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code	2026-2027		2027-2028		2028-2029		2029-2030		2030-2031	
		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. Gymea and obstetric will also be emphasized upon. In emergency, calamities and natural disasters, valuable lives will be saved through revamping of Emergency Units.

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

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	**9.200**	**11.591**
Utilization	**7.578**	**1.828**

Capital Side:

	FY 2021-22	FY 2022-23
Funds Released	**0.000**	**15.000**
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.

11.3.1 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

RISK REGISTER

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

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

12.6 PROCUREMENT PLAN

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13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

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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 DHQH Vehari (1st Revised)**" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

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17. RELATION WITH OTHER PROJECTS