



PC-1

Revamping of THQ Hospital, Puttoki District Kasur

ORIGINAL APPROVED COST	<b>PKR Million. 352.979/-</b>
ORIGINAL APPROVED GESTATION	<b>72 Months Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

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

Revamping of THQ Hospital, Puttoki District Kasur

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

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

I. KASUR

### **2.2. TEHSIL(S)**

I. PATTOKI

## **3. AUTHORITIES RESPONSIBLE FOR**

### **3.1. SPONSORING AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.2. EXECUTION AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

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

- PRIMARY AND SECONDARY HEALTH CARE

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

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

<b>3</b>	<b>AUTHORITIES RESPONSIBLE</b>	
	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, District Health Councils and C&W Department.
	3.3 Operation & Maintenance	PMU for Revamping Program of Primary and Secondary Healthcare Department and District Health Authority
	3.4 Concerned Federal Ministry	Ministry of National Health Services, Regulation and Coordination Pakistan

#### 4. PLAN PROVISION

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>GS No:</b> 5289
3	<b>Total Allocation:</b> 0.000
4	<b>Comments:</b> Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

#### 5. PROJECT OBJECTIVES

attached

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

The Government of Punjab is making strenuous efforts for a better and effective Health Care system. The Defining step in this direction was to recognize the importance of Health Care at Primary & Secondary Levels. As a first step towards better health care at primary and secondary level, the department under the guidance of Government of the Punjab has decided to launch massive revamping of 40 THQ & DHQ Hospitals in the financial year 2016-17 along with revamping of emergencies of 15 selected THQs and emergencies of all Hospitals. In addition to that, Government has assigned the task of revamping of all remaining 85 THQ Hospitals of Punjab during 2017-18. The Project Management Unit, Revamping Program, Primary and Secondary Healthcare Department has started the 2<sup>nd</sup> Phase of the said revamping program in September, 2017.

### **5.1 Background of Primary & Secondary Healthcare Department**

Effective primary and secondary healthcare is particularly important in resource-poor countries. Effective delivery of vaccinations, maternal and child care (MCH) and treatment of common pathologies (such as malaria, gastroenteritis, respiratory tract infections and other vector borne diseases) is essential for the achievement of Sustainable Development Goals (SDGs). Effective diagnostic triage, an organized system of prescription and queue management, an effective and stringent sterilization regime, quality nursing and consultant care, implementation of minimum service delivery standards (MSDS) and delivery of care for chronic pathologies lie at the center for the provision of universal health care at a cost that the community can afford as envisaged in domains established by the 1978 Alma-Ata Declaration of WHO. Primary care serves as the cornerstone for building a strong healthcare system that ensures positive health outcomes and health equity. The deficiencies in quality of care represent neither the failure of professional compassion nor necessarily a lack of resources rather, they result from gaps in knowledge, inappropriate applications of available technology and unstructured planning. Local health care systems in our setup have practically not been able to implement department's objectives. Result is continuous lack of quality improvement to lower health outcomes.

Quality health care is actually provision of health care by timely, 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 (system wide microscopy for diagnosing tuberculosis, for example); stopping overuse of some care (prenatal ultrasonography or unnecessary injections, for example); and ending misuse of unneeded services (such as unnecessary hysterectomies or antibiotics for viral infections). 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 health care, The Government of Punjab is dedicated in making strenuous efforts for ensuring 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, a separate department was created by bifurcating the Health department into two departments Specialized Health Care & Medical Education Department and Primary & Secondary Health Care (P&SH) Department. The principle reason for bifurcation has been to improve governance and service delivery in the spheres of health care across the province. Primary and Secondary Health Care Department has been entrusted the responsibility of primary and secondary level health facilities including preventive health services and Vertical Programs. P&SH Department accordingly has its functional responsibility in respect of 26 District Headquarter Hospitals (DHQs), 129 Tehsil Headquarter Hospitals (THQs), 322 Rural Health Centers (RHCs) and 2,504 Basic Health Units (BHUs). Moreover, specialized programs like Expanded Program for Immunization (EPI), TB Control (DOTS), Hepatitis Control Programs as well as special campaigns such as Dengue Campaign, Polio Eradication Campaigns also fall in purview of the department. The establishments like Director General Health Services (DGHS), Drug Testing Labs (DTLs) and Bio-medical Engineering Workshops also assist the department in discharge of its functions efficiently. Establishment of Internal delivery Unit at Primary and Secondary Health Care Department has been aimed for institutional strengthening and capacity building of Primary and Secondary Health Care Department. Monitoring and follow up remains one of key ingredients for good governance and is at heart of all management models. Therefore, an Internal Delivery Unit, comprising well qualified and experienced persons, is being established within P&SH Department. Internal Delivery Unit shall be manned with qualified and experienced consultants. Internal Delivery Unit shall be responsible for every such task needed to strengthen the PSHD which may range from operational matters to monitoring e.g. tracking pace of all initiatives of the Department through the process such as tracking procurement of medicines by districts, procurement of vaccine by Director EPI, pace of various development schemes and performance of Drug Testing & Bio-mechanical Labs etc.

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.

Due to lack of structured planning and monitoring, previous efforts did not materialize into an integrated health care regime, rather these have resulted in

haphazard construction, poor repair and maintenance, lack of basic amenities, absence of waiting areas, substandard diagnostics and therapeutics, shabby outlook and suboptimal level of patient care over all. Such state of affairs has severely jolted level of trust in health care system by common man and hence the patients prefer to visit tertiary level hospitals or even private health facilities for treatment of even very common pathologies. This subsequently has a cascade effect on socioeconomics of common man who has to spend more in shape of travelling from villages to district headquarters and then bearing costs of private treatment, secondly, this has also increased disease load on our tertiary health care establishments.

Keeping in view this importance of primary and secondary health care, the department decided to launch massive revamping program for all DHQs and THQs all over the Punjab.

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

In order to successfully complete the program objectives in the given timeframe, it is imperative to establish a dedicated Program Management Unit (PMU) having technical and administrative expertise and autonomy, as the regular machinery of the department is too busy with the routine work and cannot successfully steer the program. The PMU is responsible for the successful implementation of the Revamping Program through completion of all related projects. After the implementation of all these projects, the Primary & Secondary Healthcare network will be improved. The PMU shall ensure that the DHQ & THQ hospitals have a well-constructed physical infrastructure with vibrant management model for efficient service delivery and improved processes to focus on patient distress in prompt manner. It adheres to Minimum Service Delivery Standards (MSDS) to address the patients' needs in the most efficient and systematic manner.

In this regard, a dedicated team of Project Management Unit (PMU) has been established to execute the project. PMU's office is located at 31-E/1, Shahrah-e-Imam Hussain, Gulberg-III, near Qaddafi stadium, Lahore. It is headed by a Project Director with a committed team comprising of Deputy Project Director, Finance and Administration, ICT), Project Managers, Project Officers, Engineers, supporting administrative and technical staff, experienced and qualified Health consultants., Directors (Operations, Human Resource & Planning and infrastructure, Outsourcing) as well as Procurement Specialist.

## **5.3 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 four categories

### **5.3.1 External Development**

### **5.3.2 Internal Development**

### **5.3.3 Medical Infrastructure Development**

### **5.3.4 Emergencies Development**

#### **5.3.1 External Development**

##### **5.3.1.1 External Platforms**

In order to improve the communication between blocks, necessary interventions are taken to improve the existing internal metaled road network. Moreover, new internal metaled road network is also designed and proposed to access the blocks of hospital accordingly. Despite the improvement in metaled road network, external platforms except metaled road is also designed and proposed for patients to access the blocks by simply walking among the blocks.

##### **5.3.1.2 Façade Improvement**

In order to improve the aesthetics of hospital, façade uplift with aluminum composite panels with aluminum cladding, false steel structures, façade aluminum windows and aluminum doors are designed in order to give the feel of modern architectural era.

##### **5.3.1.3 Sewerage System**

The most important entity of a hospital lies in its cleanliness. Infrastructural interventions to keep the hospital clean were taken in the form of improvement of sewerage system of the hospital. 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 Landscaping (Horticulture)**

Landscaping in hospital adds aesthetic & beauty to the built environment as well as improves in reducing the pollution. Soft & hard landscape reduces dust particles moment in air, hence contributes in a clean environment. The hours spent



in a hospital can be stressful for patients, staff and visitors. According to research easy access to a natural environment can contribute to stress management and potentially improve health outcomes: physiological studies indicate that 3-5 minutes spent in such Hospital Outdoor Landscape Design environments reduces anger, anxiety and pain and induces relaxation. Research also shows that “positive distractions” can reduce stress and their visual forms include gardens, scenic views and artwork, which play a critical role in modern hospital design: gardens, fountains, and water features provide patients, staff and visitors with restorative experiences of nature. In this regard complete lawns development, placement of benches, dust bins, playing equipment, fruit trees, flower plants, fruit trees and gazebos are proposed in all hospitals under revamping program

#### **5.3.1.5 Water Filtration Plant**

In the modern era, the access to clean water for everyone is becoming rare day by day. Especially in hospitals, the supply of water free from any harmful impurity is one of the most basic needs. To cope up with this problem water filtration system according to the existing nature of water is designed and water filtration plant is proposed accordingly. For ease of patients, drinking water supply network was designed to provide filtered water in wards and in various drinking stations within the hospital building

#### **5.3.1.6 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.

#### **5.3.1.7 Parking and Waiting area**

Non-clinical facilitation of patients and attendants were specially considered in the revamping program. One such facilitation step is designing the parking and waiting areas on basis of daily influx of vehicles and patients/attendants during the

peak hours. Parking and waiting areas on several places of hospital were then proposed according to the design.

### **5.3.1.8 External Signage**

External signage system is designed including various signage types for complete guidance of patient attendants and to search concerned facility promptly.

## **5.3.2 Internal development**

### **5.3.2.1 Aesthetic improvement**

In order to improve the aesthetics of hospital wards, corridors, rooms and toilet blocks, flooring and dado design of suitable material in these areas is proposed. Despite of aesthetics, the material of flooring and dado design were chosen to provide ease in cleaning process. For further improvement in aesthetics, paint on exterior and interior part of the hospital, poly-vinyl chloride paneling to conceal the dampness damaged areas and steel cladding of columns are proposed.

### **5.3.2.2 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.

### **5.3.2.3 Seamless flooring and Lead Lining**

To keep high risk areas like Operation theaters, I.C.U, C.C.U, 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 X-Ray rooms radio-resistant and to keep the patients away from the harm of rays, interventions are taken in X-ray rooms 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 X-Ray rooms.

### **5.3.2.4 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.

#### **5.3.2.5 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.

#### **5.3.2.6 Facilitation of attendants and patients**

The facilitation of attendants is also one of the most basic things to be provided in the hospital. The facilitation of attendants contributes towards the facilitation of patients. In order to facilitate the attendants, pantries are designed at that location of hospital where attendants can be effectively facilitated. These pantries include stoves and washing machines. Moreover, it is also very important to educate the patients and attendants regarding the seasonal and general diseases along with its cure and prevention. Installation of LED televisions in various locations of hospitals especially in wards and waiting areas is also proposed in the design in this regard.

#### **5.3.2.7 Furniture and Fixtures**

One more step towards the facilitation of attendants or patients is placement of benches in waiting areas. The most rush positions of hospital are chosen in this regard and placement of benches is designed according to the patient number and flow. In order to improve the efficiency of consultants or doctors, interventions regarding the renovations of doctor or consultant office are designed in this regard. The doctor room furniture is designed for this purpose keeping in view the existing area of room and necessary required equipment. To carry and dispose of the medical and general waste material of hospital, waste bin sets are designed to place at various positions of the hospital. These positions are marked by keeping in view the general circulation of the public and sensitivity of the area.

#### **5.3.2.8 Air Conditioners, Refrigerators and LEDs**

According to the different standards, there is a separate requirement of temperature to control the environment of particular place with respect to the nature of facility. In this regard, air conditioners are proposed according to the required tonnage of the specific area. For better efficiency and performance delivery, cabinet air conditioners are proposed in the wards and other facilities having larger areas. The maintenance and repair services of these air conditioners are outsourced so that uninterrupted performance can be delivered. For further facilitation of patients and attendants, placement of refrigerator is proposed on each nursing counter. These refrigerators are proposed for items requiring specific temperature for storage purposes. LEDs will also be placed at various points to facilitate the patients and attendants.

#### **5.3.2.9 Internal Signage and Paintings**

As described earlier, the information regarding the positions of major health facility especially emergency and labor room etc. is very much essential for any person entering inside the covered area of hospital. For these purposes, different types of signage are proposed including corridor hanging signage, floor map boards, room numbers and room names plaques. For general information duty rooster boards, janitorial station signage, waste bin set signage, emergency exit signage.

Different kinds of paintings are designed according to the nature of area where it is desired to be fixed. These paintings are beneficial in a sense that it improves the aesthetics of hospital and moreover, such painting patterns are designed so that it give the relaxation and soothing feelings to aid in the healing of patients. Moreover, in order to create a healthy, positive, entertaining and friendly environment for interest of children, paintings on children wards is proposed.

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

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.

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 Emergency Department:**

All THQS and DHQs are already providing emergency services to critical ill patients. As far 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.

#### **5.3.3.1.1 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:

#### **5.3.3.1.2 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. The far positioning of emergency department will result the lost in time for patient during its travelling which can be crucial.

#### **5.3.3.1.3 Access towards the Emergency Department**

The route leading towards the emergency department is important in this aspect that a smooth track and a widened path will be feasible for the movement of vehicle or stretcher. Initiatives are taken in this program for construction of new pathways or renovation of existing ones leading towards the emergency department. Such material of the external platform is selected so that a smooth movement should be observed over it rather than jerks bumps. Moreover, the width of the passage from entrance gate up to emergency department is designed by keeping in view the flux of the vehicles rushing towards the emergency block.

#### **5.3.3.1.4 Medical Infrastructure Emergency:**

The existing emergency department or other block of the hospital according to its access from entrance gate, is designed and re planned according to the above described emergency facilities. The changings or amendments in the existing covered area of the hospital are proposed according space availability. Due to the rush of patients and increased number of minor surgeries performed in the emergency department make it one of the dirtiest department of the hospital. Hence, in this regards it is very much essential to keep the floors of certain area of emergency department bacteria free. Seamless flooring is proposed in this regard to avoid the groves so that the cleaning process can be made easy. Low epoxy paint is designed and proposed in this regard on Minor OT, Gurney area and specialized healthcare unit.

Provision of medical gasses is essential to facilitate the patients suffering from breathing issue due to some disease and ailment. The filling process of oxygen in the cylinders is outsourced to ensure the continuous supply of the oxygen among the beds. The oxygen system comprises on copper pipe, central oxygen supply system for pressure maintenance, oxygen cylinders and flow meter with bed head units.

#### **5.3.3.1.5 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

### **5.3.3.2 Monitoring and Quality Assurance (Process Interventions)**

During construction phase, “Construction Supervision” will be carried out by the Procuring Agency (Director Infrastructure) along with Punjab Buildings department (C&W D) who will certify construction activity.

#### **5.3.3.2.1 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 Secondary HealthCare 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 THQ hospital provides promotive, preventive, curative, advance diagnostics, inpatient services, advance specialist and referral services. 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. 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 Strengths, Weaknesses, Opportunities, and Threats (SWOT) analysis and gap identification
8. Continuous strategy making and implementation with backup plan for secondary options.
9. Responsibility designation for clinical and non-clinical procedures and activities.
10. Effective utilization, calibration and maintenance of equipment with record maintenance and their audit
11. Establishment of plans, implementation, analysis of gaps with alternate planning regarding fire evacuation plan, hospital inflectional control plan, hospital operational and



strategic plans, disaster plan both internal (partial / complete) and external .

### **The PDSA cycle**

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

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

### **5.3.3.3 Laboratory**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the Laboratory in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of laboratory in vicinity.

#### **5.3.3.4 X-Ray**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the Radiology unit in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of Radiology unit in vicinity. A healthy human being enables not only nutrition of the physical body but also enhances social interaction and promotes self-esteem and feelings of self-esteem and feelings of wellbeing. The radiology equipment serves as a “window “to the patient treatment regarding the body.

#### **5.3.3.5 CCU**

Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish coronary care units (CCU) in THQ 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.

#### **5.3.3.6 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.

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 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.

#### **5.3.3.7 Labor Rooms/Nurseries**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the Labor Rooms/Nursery unit in THQ hospitals.

#### **5.3.3.8 Operation Theater**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the Operation Theater in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in treatment according to diagnosis in case of lack of Operation Theater in vicinity.

#### **5.3.3.9 Orthopedic unit**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the orthopedic unit in THQ

hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of orthopedic unit in vicinity.

#### **5.3.3.10 Gynecology Department**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the gynecology unit in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of gynecology unit in vicinity.

#### **5.3.3.11 Surgical Unit**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the surgical unit in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of surgical unit in vicinity.

#### **5.3.3.12 Intensive Care Unit (ICU)**

Tehsil Headquarter Hospitals (THQ) serve catchment populations of the whole Tehsil (0.5-1 million) and provide a range of specialist care in addition to basic outpatient and inpatient services. They typically have about 80 to 150 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 THQ 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 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.

#### **5.3.3.13 Mortuary Unit**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the mortuary unit in THQ hospitals. Postmortem or autopsy is a part of medico legal investigation into a death which is conducted by a judicial medical officer. Realizing the problems countered medico legal process focusing on following important areas;

1. Improving quality and motivation levels of human resource conducting medico legal Examination.
2. Improve methods to collect and preserve samples so that so that these may best be available for further forensic analysis.
3. Improving physical infrastructure at tehsil level to provide enabling environment for better conduct of medico legal cases including improvement in state of mortuaries at tehsil level.
4. Improvement in legal framework including improved forms.

#### **5.3.3.14 Dental Unit**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the dental unit in THQ hospitals. Majority of patients are suffering problems some time life threatening phases due to delay in diagnosis and treatment according to diagnosis in case of lack of dental unit in vicinity.

#### **5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the physiotherapy unit in all THQ hospitals. Majority of patients are suffering problems some time life threatening

phases due to delay in diagnosis and treatment according to diagnosis in case of lack of physiotherapy unit in vicinity.

1. Physiotherapy is a “science of healing and art of caring”. It pertains to the clinical examination, evaluation, assessment, diagnosis and treatment of musculoskeletal, Neurological, Cardio-Vascular and Respiratory systems ‘functional disorders including symptoms of pain, edema, and physiological, structural and psychosomatic ailments. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curative.
2. Physiotherapy practice has a very long history and a modern clinical practice is heavily reliant on research and evidence based practice. The Primary and Secondary Healthcare Department Government of Punjab attests to this commitment by adopting and promoting the Standards of Practice for Physiotherapy.

### **Importance of Physiotherapy and Rehabilitation department**

1. Physiotherapy provides services to individuals and populations to develop maintain and restore maximum movement and functional ability throughout the lifespan. This includes providing services in circumstances where movement and function are threatened by aging, injury, disease or environmental factors. Functional movement is central to what it means to be healthy.
2. Physiotherapy is concerned with identifying and maximizing quality of life and movement potential within the spheres of promotion, prevention, treatment/intervention, habilitation and rehabilitation. This encompasses physical, psychological, emotional, and social wellbeing. Physiotherapy involves the interaction between physical therapist, patients/clients, other health professionals, families, care givers, and communities in a process where movement potential is assessed and goals are agreed upon, using knowledge and skills unique to physical therapists.
3. The proposed project entails setting up a Physiotherapy and Rehabilitation Department. Being one of the major players in human service sector, rehabilitation Departments provide a wide range of services relating to physical impairments and disabilities of all age groups. These services range from assessment, evaluation, diagnosis, treatment and plan of care of individuals, from newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives. These services will be provided by qualified Physiotherapists Consultants. Our consultants

examine each individual and develop a plan using treatment techniques to promote the ability to move, reduce pain, restore function, and prevent disability. In addition, our doctor work with individuals to prevent the loss of mobility before it occurs by developing fitness- and wellness-oriented programs for healthier and more active lifestyles. The proposed Physiotherapy and Rehabilitation Department will provide all these services under one roof.

### **Opportunity Rationale**

Due to vast media exposure over past few years, women, as well as men, have become more conscious about their health especially youngsters. In Pakistan, Rehabilitation Clinics and Fitness Centers have grown over the years. It is easy to open GP clinic as space and skill requirement is very basic. But a Rehabilitation clinic provides more professional services with qualified staff including Physiotherapy doctors and experienced support staff and therefore, requires more planning and arrangement. Quite a few Physiotherapy and Rehabilitation Departments have opened in Lahore, Islamabad, Karachi and other relatively larger cities of Pakistan, which are catering to the demand of the people, but still there is a lot of unfulfilled demand as can be judged from excessive rush at the existing Physiotherapy Departments. The patient's ratio and problems with musculoskeletal disorders and neurological disorders are same in the tehsils and districts levels of Punjab. The business is service-oriented and carries large potential for serving poor people due to its unique nature and uncontrolled spreading of joints and muscles, and neurological problems, especially in the areas where our THQ Hospitals are located. There is lot of potential in this domain, especially for those who are committed to providing quality service.

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

OPD in THQ has enormous patient load, due to the only big public sector serving hospital in 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 THQ is given as follows:

There are 25 counters at THQ 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. Detail of equipment is attached.

The process described above for THQ will be implemented. 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.

#### **5.3.3.17 Electronic Medical Record (EMR)**

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. Detail of equipment is attached.

#### **5.3.3.18 Video Surveillance through CCTVs**

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 by Outsourced Security Company in the 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 THQ 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 85 public sector healthcare facilities. Detail of equipment is attached.

#### **5.3.3.19 Medicine Store**

To improve the quality of medical care of patients, primary and secondary Healthcare Department has decided to improve the medicine store in THQ hospitals.

#### **5.3.3.20 Day Care Center**

On-site (or near-site) child care would lead to improve workplace satisfaction by allowing employers more frequent contact with their children,

reducing stress and anxiety over scheduling, and potentially providing financial benefit to the hospital. Therefore, P&SH Department has decided to establish the Day Care Center at every THQ Hospital. The Medical Superintendent of the concerned hospital will be the overall in-charge of the Day Care Center.

#### **5.4 Out Sourcing of Non Clinical Services**

It was planned to provide Outsourcing of following Non-clinical services through development Budget later on decided to shift to non-development Budget as per the decision of progress review meeting chaired by the Chairman P&D Board dated 01-01-2018 w.e.f. 30-06-2018:-

1. Janitorial services
2. Laundry services (On hold)
3. MEPG Services
4. CT scan
5. Security

##### **5.4.1 Janitorial services**

These services include cleaning of hospitals and its roads and ROW areas. Internal cleaning comprises of complete cleaning along with washrooms cleanliness and material for these services such as hand wash/sanitizer. The Outsourcing is hereby designed keeping in view the sizes of areas assigned to each sanitary worker along with condition and nature of service. Human resources are planned after measuring the total area of hospital, built up area excluding the areas of horticultural land and residential buildings. The workers shall work in three shifts in a day. Half of the total strength of sanitary workers shall work in morning shift due to patients load in OPD. The concerned sanitary work company is bound to provide cleaning services materials and their refilling as and when required.

The companies providing janitorial services will be required to provide quality janitorial services, complete their personnel strength on daily basis which will be ensured through biometric attendance. Also, the companies will be subject to pecuniary penalties by hospital authorities if services provided are not according to the contracts.

##### **5.4.2 Laundry Services**

Different models were being applied by the hospital administrations individually which were not properly catering the basic requirement of washing and disinfection of different items used for hospitals. This model includes the initial procurement of different daily use items such as three different colors bed sheets and pillow covers and are to be changed thrice a day. Moreover, the concerned company must provide washing and cleaning services of bed sheets, pillow covers, blankets along with covers, apparels/OT clothes.

### **5.4.3 MEPG Services**

The service of the hospitals is suffering badly due to improper functionality of the existing electrical and mechanical equipment which arises due to lack of maintenance. This model satisfies the need of proper maintenance plan which comprises of regular visits of technicians for looking after of electrical and mechanical equipment and accessories. Outsourcing company will be responsible for immediate response and above mentioned services.

### **5.4.4 CT Scan Services**

CT Scan Services in selected Hospitals of Punjab are also being undertaken as a component of Government's decision to revamp all Secondary Healthcare. The objective of this initiative is to provide high quality CT Scan Services to widely scattered population of low socio-economic groups at their door steps. It will ensure provision of satisfactory diagnose infections, muscle disorders, and bone fractures. The imaging technique of CT Scan can help doctor to study the blood vessels and other internal structures and assess the extent of internal injuries and internal bleeding.

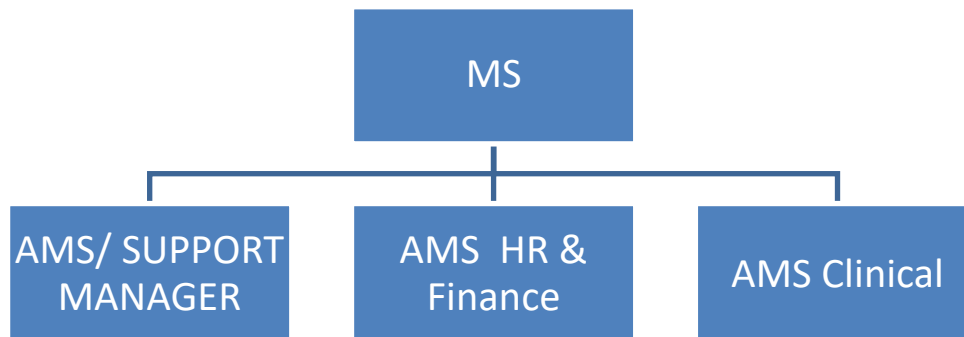
### **5.4.5 Security**

The outsourcing model is designed due to non-provision of security arrangements and improper parking in different areas of premises of hospital. This model consists of guards who shall work in two shifts to provide security and surveillance for complete premises of hospital excluding residential areas. The devices required for this service to operate are arms, walkie talkie, Base set per unit and torch etc.

### **5.6 HR & Management Interventions Structure**

HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

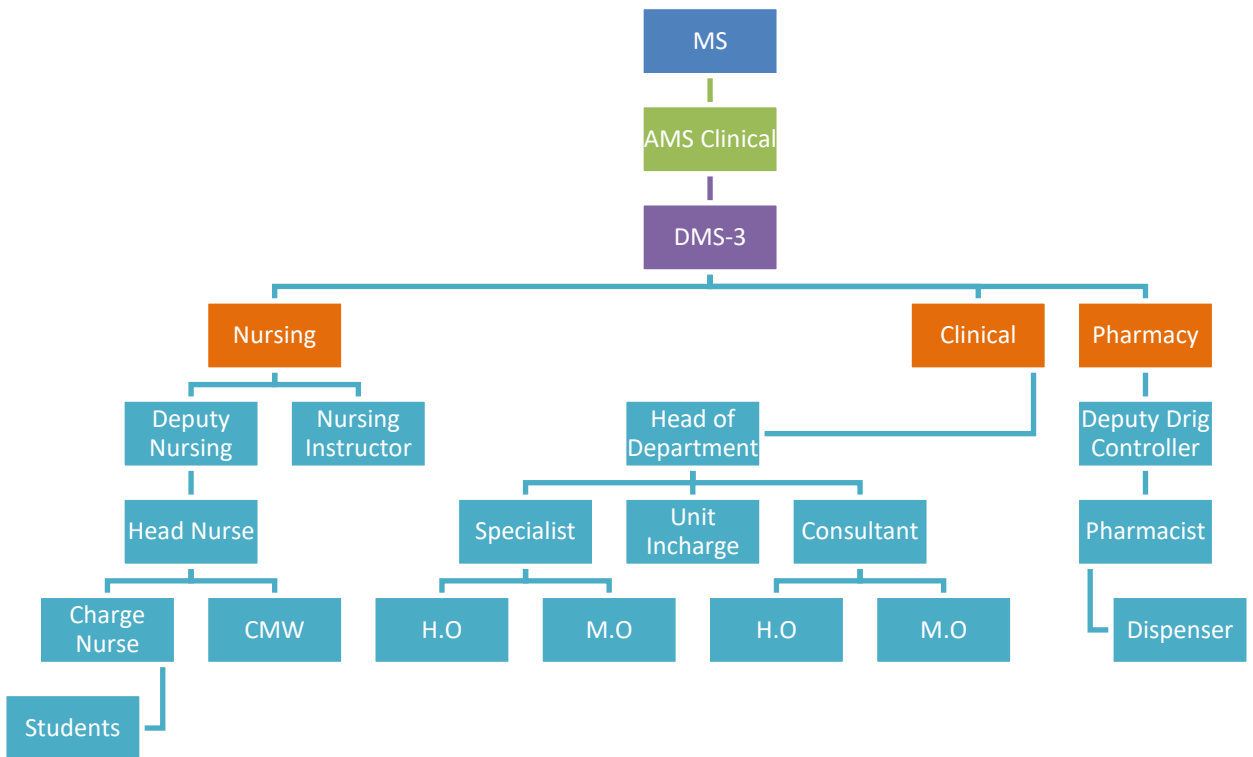
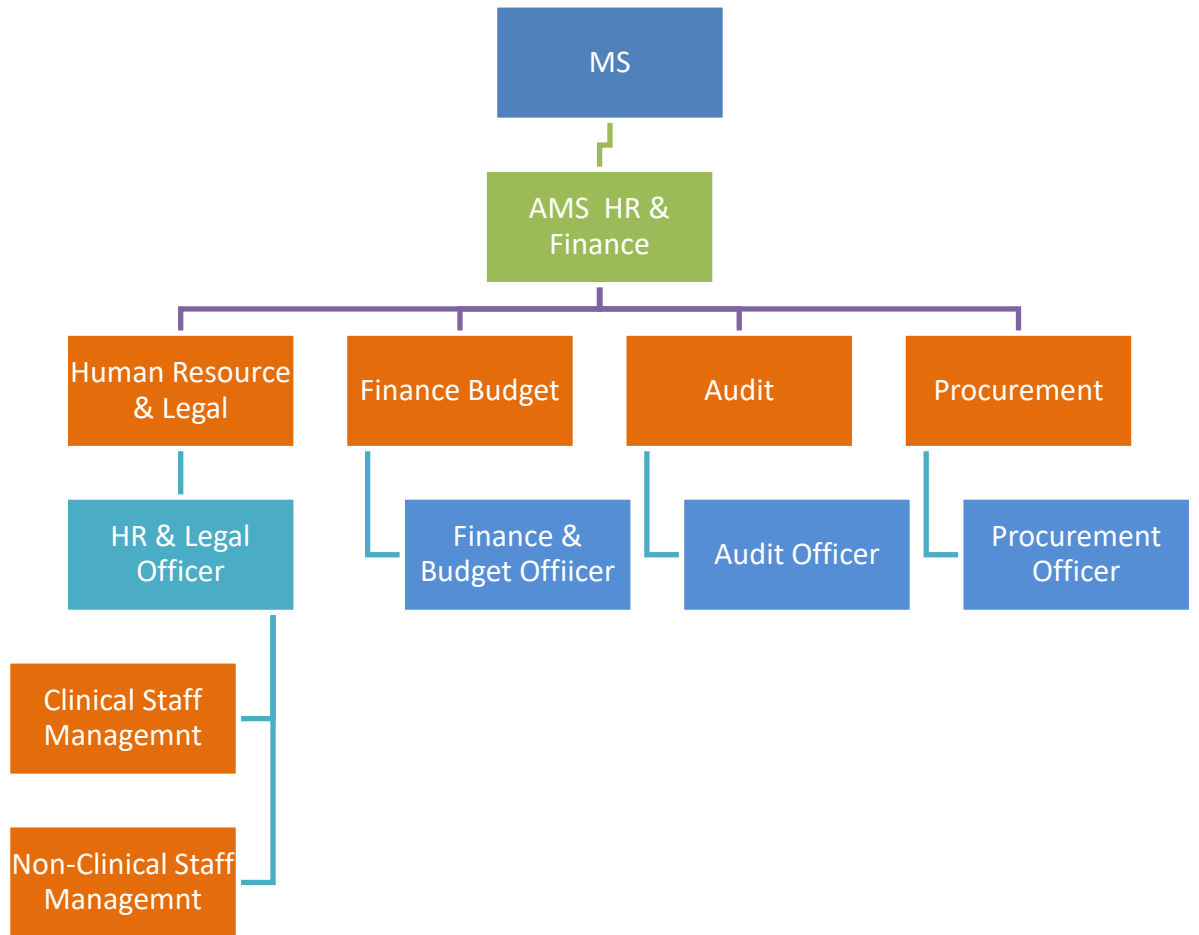
# New Organogram of Hospital



## MS

- AMS/ SUPPORT MANAGER

- IT/Data Analysis
- IT/ Statistical Officer
  - 4 Data Entry Operators
- Admin
  - Admin Officer
  - 4 Monitors
  - Security
  - Transport
  - Parking
  - Janitorial
  - Canteen
  - External House Keeping
  - Civil Works
  - Technical works
  - Electrical Works
  - Internal House Keeping
  - Laundry
  - Stores & Supplies



### **5.6.1 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**

#### **5.6.2.1 Medical Superintendent**

Shall be overall responsible for all the affairs of the Hospital

#### **5.6.2.2 AMS Admin.**

Shall be responsible for following functions in addition to his own duties:

1. General administration
2. IT/Data analysis/statistics keeping (biometric machines, etc.).
3. In case of outsourced interventions like QMS/EMR he shall be responsible for enforcement of contract and in case of violation shall ensure action has been taken as envisaged in the contract.
4. He shall be responsible for entry of data on Citizen Feedback Model.
5. He shall be responsible for ensuring collection of report of actions taken on CFM reports and entry of that on CFM.
6. He shall be responsible for implementation of any IT related initiative in the hospital.
7. He shall be responsible for better record keeping of hospital
8. He shall devise and implement systems for better record keeping of hospital

9. He shall ensure generation of all types of reports/information required of hospital by District Government/P&SHD/any other authorized Public agency

### **New Management Structure (NMS)**

In place of the clerical positions, the P&SH Department has introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers recruited as a part of the NMS have a minimum of 16 years of education. Their minimum qualification is MBA / B.Sc. Engineering / M.Com / Pharm-D / M.Cs / LLB / MPA / CA Inter / ACCA / ACMA / Master Degree or equivalent in relevant field etc. Their recruitments were undertaken through a competitive process by a third party testing service.

#### **5.6.2.3 Admin Officer**

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

1. Security
2. Transport
3. Parking
4. Janitorial
5. External housekeeping
6. Electrical works
7. Internal housekeeping
8. Laundry
9. 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**

1. Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA Finance/Administration or equivalent from HEC recognized University



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

#### **5.6.2.4 Human Resource Officer**

Shall be responsible for following:

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

#### **Eligibility Criteria**

1. Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA HR/Management/ Finance/Administration or equivalent from HEC recognized University
2. Minimum 1 year post degree experience of administration (Additional credit may be given for hospital administration/Public sector experience of similar nature)

#### **5.6.2.5 IT/Statistical Officer**

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

He shall be in liaison with HISDU, P&SHD for proper reflection of hospital record on HISDU 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 or equivalent from HEC recognized University
2. 2 years post degree experience of IT/Data analysis(Additional credit may be given for similar assignment experience)

#### **5.6.2.6 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 & Finance/MS/P&SHD

#### **Eigibility Criteria**

1. Minimum qualification Masters' degree in Finance/ MBA Finance or equivalent from HEC recognized University (Additional credit may be given to Charter accountant/ACCA)
2. Minimum 2 years post degree experience of Finance, Accounts & Budget (Additional credit may be given for Public sector experience of similar nature)

#### **5.6.2.7 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 or equivalent from HEC recognized University
2. 2 years post degree experience of procurement (Additional credit may be given for public sector experience of procurement)

#### **5.6.2.8 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 experience.

**5.6.2.9 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.

**5.6.2.10 Data Entry Operators (DEO)**

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

**Eligible Criteria**

1. Minimum qualification BA / B.Sc / B.COM / BCS or equivalent from HEC recognized University. In case of BA/B.COM candidate must have six months computer course / Diploma.

2. Proficient in MS Word/ MS Excel/ MS Power point (additional credit may be given for additional relevant certified computer courses)
3. 1 years post degree relevant experience

#### **5.6.2.11 Assistant Admin Officer**

Shall be responsible for general administrative affairs of hospital and assist the admin officer.

#### **Eligibility Criteria**

1. Minimum qualification Masters' degree in Social Sciences/Economics/ Public Administration/ Finance/ MBA Finance/Administration or equivalent from HEC recognized University
2. Minimum 2 years post degree experience of administration (Additional credit may be given for hospital administration/ Public sector administration of similar nature).

### **5.7 HR for QMS and MSDS and Day Care Center.**

#### **5.7.1.1 QMS Supervisor / Information Desk Officer**

Shall be responsible whole QMS networking

#### **Eligible Criteria**

1. M.Sc. (Comp. Engineering, Electronics, Electrical Engineering, IT, Telecommunication, Com. Science, Software Engineering, MCS), BCS (Comp. Engineering, Electronics, Electrical Engineering, IT, Telecommunication, Com. Science, Software Engineering, MBA, BBA, MPA, IT related 16 years Education.
2. Experience in the field of Software/Hardware/Network/DATA Quality Assurance, IT projects, IT enabled organizations, CCTV Control Room monitoring, Call Centre, Networking, Software Development will be considered as an added advantage during interview process.
3. Excellent communication Skill (Urdu, English) and IQ level
4. Age Limit of 21-28 years for Male & 21-30 years for Female
5. Typing Speed: 30WPM.

#### **5.7.1.2 Computer Operators**

Eight Computer operators shall help QMS Supervisor in dispensation of his responsibilities.

### **Eligible Criteria**

1. Minimum qualification 14 year or Masters' degree from HEC recognized University
2. Proficient in MS Word/ MS Excel/ MS Power point (additional credit may be given for additional relevant certified computer courses)
3. 35 Word per Minute. Excellent communication in English and Urdu.

## **5.7.2 Consultants (MSDS) Implementation & Clinical Audit**

### **Eligible Criteria**

1. MBBS & Masters in Public Health, or equivalent qualification.
2. The consultant must have 10 years of hands on experience of third party validation, clinical audit of hospitals, Minimum Service Delivery Standards (MSDSs) implementation / hand holding; Report Writing; working knowledge of international best practices in hospital management will be preferred. Proficiency in MS Office is must. Must have strong communication skills.

### **5.7.2.1 Terms of Reference (TORs) for Consultants Minimum Service Delivery Standards (MSDS) Implementation & Clinical Audit**

Government of the Punjab, Primary and Secondary Healthcare Department (P&SHD) is implementing multiple initiatives to improve the quality of healthcare at DHQ/THQ level across the province. One of the initiatives is Primary and Secondary Healthcare Revamping program which is being implemented by the Project Management Unit (PMU). Currently PMU is also involved in the standardization of quality of care at facility level through uniform set of Standard Operating Procedures (SOPs) & Standard Medical Protocols (SMPs) for compliance. The department intends to make all DHQs and THQ hospitals of Punjab as MSDS compliant which have been devised by Punjab Healthcare Commission.

Punjab Healthcare Commission was established under the PHC Act 2010 as an autonomous regulatory body for health sector; with the purpose of improving the quality, safety and efficiency of healthcare service delivery for all Public and Private Healthcare Establishments (including Allopaths, Homeopaths and Tibbs) in the province of Punjab. The Punjab Healthcare Commission has developed

Minimum Service Delivery Standards (MSDS) for all hospitals to improve the quality of healthcare services all over the Punjab. All Healthcare Establishments are required to implement MSDS to acquire a License to deliver healthcare services in Punjab.

This standardization effort will not only ensure availability of minimum services delivery standards (MSDS), SOPs, SMPs at all levels, but also the other essential inputs for functioning of systems and processes to ensure the smooth and safe delivery of quality healthcare services. These will also create conducive working environment for healthcare providers.

#### **5.7.2.2 Objectives**

The objective of this assignment is to implement & check all SOPs, SMPs, Minimum Service Delivery Standards (MSDS) & conduct clinical audit for 125 DHQ/THQ hospitals. Furthermore, the consultant will also monitor ongoing multiple trainings at DHQ/THQ hospitals.

#### **5.7.2.3 Scope of Work**

1. Develop policy & strategy for clinical audit of 125 hospitals.
2. Develop detailed clinical audit plan, with expected deliverables from hospitals. 360 degrees clinical audit.
3. Visit DHQ/THQ hospitals, to assess MSDS implementation and detailed report generation with short coming & highlight areas of improvement.
4. Review SOPs, SMPs & ISO Standards in hospitals to identify non-compliance.
5. Visit DHQ/THQ hospitals to implement clinical audit as per devised strategy, as well as monitoring and implementing MSDS standards.
6. Prepare detailed visit reports of clinical short comings; and suggest, and implement improvement plan.
7. Monitoring & auditing of patient referral system, detailed report on error and recommendations on rectification of errors.
8. Visit DHQ/THQ hospitals to implement clinical audit as per devised strategy, as well as monitoring and implementing MSDS standards.
9. Prepare detailed visit reports of clinical short comings; and suggest, and implement improvement plan.
10. Monitoring & auditing of patient referral system, detailed report on error and recommendations on rectification of errors.
11. Monitoring and evaluation of multiple trainings imparted at DHQ/THQ hospitals.
12. Any other relevant task assigned by Project Director/Director Quality Assurance / Project Manager.

#### **5.7.2.4 Reporting Arrangements**

- The Consultant (MSDS & Clinical Audit) will report to the Project Director/Director Quality Assurance/Senior Project Manager, P&SHD

#### **5.7.2.5 Duration of Assignment**

- The duration of assignment will initially be for THREE MONTHS / 120 DAYS which will be extendable subject to satisfactory performance.

#### **5.7.2.6 Outputs / Key Deliverables**

- Study/desk review the relevant Minimum Service Delivery Standards (MSDS) prescribed by PHC & ISO Standards, train the hospital staff/monitor/facilitate their implementation.
- Study/desk review the existing Standard Operating Procedures (SOPs), train the hospital staff/monitor/facilitate their implementation and suggest improvements where necessary.
- Study/desk review the existing SMPs, train the hospital staff/monitor/facilitate their implementation and suggest improvements where necessary.
- Conduct hospital visits of 125 DHQ/THQ hospitals (each DHQ hospital to be visited monthly & each THQ hospital every three months).
- Conduct formal hospital survey for confirming the implementation of MSDS on the relevant Scoring Matrix.
- Submit detailed report of each hospital visit on a standard format prescribed for the purpose.
- Conduct a system, process analysis with special emphasis on clinical audit and submission of detailed report accordingly.

#### **5.7.2.7 Remunerations**

- The consultant will be paid amount of Rs. **4500-6500/- per day** with no other benefits.
- All logistics will be arranged/reimbursed by PMU for field visits (accommodation, refreshments etc).

#### **5.7.2.8 Terms of Payment**

- Consultant will be paid on monthly basis throughout the contract period.

### **5.7.3 HR for Day Care Center**

#### **5.7.3.1 Manager Day Care Center (DCC)**

Shall be responsible for general administrative affairs of DCC.

#### **Eligibility Criteria**

1. Minimum qualification Masters' degree in Economics/ Public Administration/ Finance/ MBA Finance/Administration or equivalent from HEC recognized University
2. Minimum 2 years post degree experience of administration (Additional credit may be given for hospital administration/ Public sector administration of similar nature)

#### **5.7.3.2 Montessori Trained Teacher**

Shall be responsible for basic education of children.

##### **Eligibility Criteria**

1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

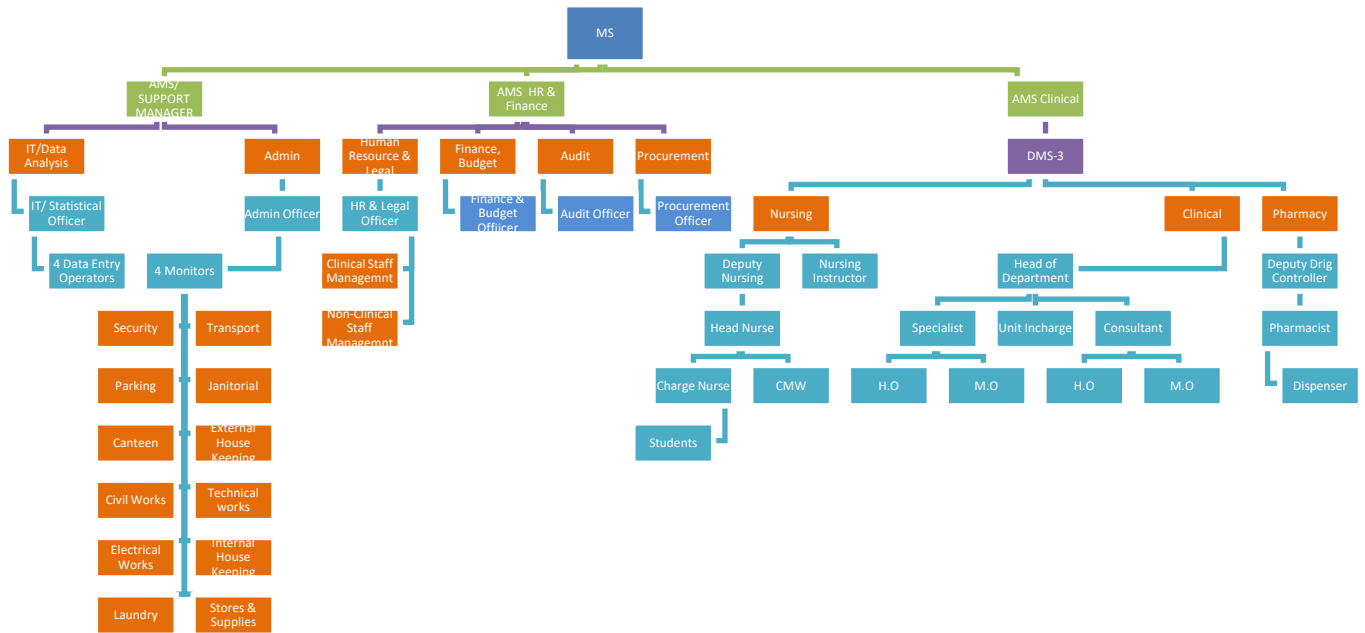
#### **5.7.3.3 Attendant / Care Giver**

Shall be responsible for special care of the children.

##### **Eligibility Criteria**

Minimum qualification Matric or equivalent alongwith diploma in relevant field





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

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

PPS-10	437,500--700,000	5
PPS-11	612,500-- 980,000	5
PPS-12	875,000 --1,400,000	5

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
Admin Officer	1	80,000	960,000	105,000	1,260,000
Human Resource Officer	1	80,000	960,000	105,000	1,260,000
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000
Procurement Officer	1	80,000	960,000	105,000	1,260,000
Quality Assurance Officer	1	80,000	960,000	105,000	1,260,000
Logistics Officer	1	80,000	960,000	105,000	1,260,000
Data Entry Operator (DEO)	2	35,000	840,000	44,000	1,056,000
Assistant admin Officer	2	50,000	1,200,000	70,000	1,680,000
<b>Total</b>	<b>11</b>		<b>8,760,000</b>	<b>849,000</b>	<b>11,556,000</b>

### **5.8 Other Initiatives:**

There are many other initiatives which government plans to undertake in order to improve healthcare services in the province. These include:

- Rehabilitation of Emergency Ward
- Fixture of Benches
- Addition of Bracket Fans/Water Coolers/LCDs with signage
- Supply of Laboratory/ Equipment/USG/ECG etc.
- CCU Improvement
- Installation of Water filtration plants
- Replacement of Bed sheets/Pillows/Matresses
- Installation of Transformers/Dual Connection
- Improvement of Labor rooms/Nurseries

- Maintenance and replacement of Air-conditioners through Outsourcing
- Blood Bank improvement
- Installation of CCTV Cameras
- Installation of Basic Fire-fighting Equipment
- Up gradation of Pharmacy and medicine Store
- Improvement of Internal Roads and laying of Tough pavers
- External Development
- Rehabilitation of Hepatitis/T.B Control

The PMU is essential to deliver the project end-item within budget and time limitations, in accordance with technical specifications, and, when specified, in fulfillment of project objectives.

## **5.9 Patient Management Protocol**

### **5.9.1 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.

#### **5.9.2 O.P.D:**

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

#### **5.9.3 Death or End of Life Management.**

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

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

#### **5.9.4 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.

#### **5.9.5 Project Monitoring Committee**

A Project Monitoring Committee is proposed hereby as under to monitor the project regarding Revamping of THQ Hospital:

- |    |                                  |                    |
|----|----------------------------------|--------------------|
| 1. | Deputy Commissioner              | (Chairman)         |
| 2. | District Monitoring Officer      | (Member)           |
| 3. | Executive Engineer Buildings     | (Member)           |
| 4. | Assistant Commissioner Concerned | (Member)           |
| 5. | MS THQ Hospital                  | (Secretary/Member) |

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

#### **5.10 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.

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

### **6.1 JUSTIFICATION OF PROJECT**

attached

## **1. Description, Justification and Technical Parameters**

2. 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 Pattoki District Kasur is more than 0.585 million. The area of the THQ Hospital Pattoki District Kasur is 157,197 SFT land.

### **6.1 Description and Justification**

The Project Management Unit, Revamping Program, Primary and Secondary Healthcare Department planned to start the 2<sup>nd</sup> Phase of the said revamping program. The instant PC-I is also meant for provision of requisite biomedical and non-biomedical equipment, Electricity, Furniture & Fixture, Signage, HR and outsourcing of services for THQ Pattoki District Kasur

Revamping of THQ Pattoki District Kasur constitutes of value addition in all major domains of the hospital including improvement of Civil infrastructure, addition of water filtration plant facility, value addition in Emergency ward and making the health facility more equipped with modern bio-medical equipment. State of the art furniture and fixtures complemented by interior and exterior decors are also part of this revamping project backed by the thought of dedicated express line of electricity to ensure smooth operations of hospitals will bring the modern health facilities in healthy and comfortable environment at the door step of masses. Introduction of new model of outsourcing of laundry services to ensure provision of neat and clean bed sheets, pillow covers, blankets etc. round the clock is also a part of this project. Fool proof security and adequate cleanliness measures of whole health facility are also proposed in this PC-I.

Civil work component will be carried out through C&W Department instead of District Health Authority for this hospital. Value addition in Emergency block is proposed in four domains i.e. Triage, Minor O.T, Specialized care room and emergency ward. Addition of Water Filtration Plant facility where it is not available as unclean or polluted water is devastating for human health. A key consideration was made while selecting furniture and its compatibility with hospital grade cleaners, detergents and disinfectants. Signage is an effective interface between the user and intended facility. Effective signage promotes the healthcare facility in a patient friendly manner. Access is an important part of quality of care. A crucial aspect for patient satisfaction is their comfort levels with the facility itself i.e. a person's ease in navigating a facility, and the timeliness in receiving care. Clear and proper signage at strategic points helps patients in reaching their destination without losing much of their valuable time and saves lot of their efforts in unnecessary enquiring from persons. In this regard, the Equipment of Emergency, Bio-Medical, Non-Bio-Medical, Electricity, Signage, Janitorial, Security, Laundry, Maintenance of Generator and Horticulture have been added as per actual requirement of the Hospital. The Equipment of MSDS, IT, Furniture Fixture, Day Care Center, HR, Medical Gases, Cafeteria are fixed in all hospitals as per yardstick



established by P& SH Department. Prior to initiation of this exercise standardization of required facilities was done by committee of experts in P & SH Department and on the basis of it, gaps were identified which would be covered under this PC-I.

**Justification for 3<sup>rd</sup> Revision of PC-I**

1. Primary & Secondary Healthcare Department (P&SHD) made a decision to shift all the clerical posts in DHQ / THQ hospitals of Punjab to District Health Authorities as per notification dated 24<sup>th</sup> October, 2017. This administrative decision was taken due to a multiplicity of reasons which were adversely affecting healthcare service delivery in the hospitals. Primarily, these clerical posts were not specialized in any particular field, and therefore, the HR hired against these posts were generalized to the extent that they were not able to perform functions of Hospitals and Health Specific tasks that any medical administration should ideally perform. Additionally, public complaints against the clerical staff on issues such as behavior, performance created an environment of malfeasance in all hospitals. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60<sup>th</sup> PDWP meeting as under: -

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

Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000
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Now the Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 83<sup>rd</sup> PDWP meeting held on 28-06-2022 under the chairmanship of Chairman P&D Board for all ADP funded Project posts of Department /Organizations working in Government of the Punjab. Therefore, the revised Pay Package has been incorporated in the revised PC-I.

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

**85 THQ Hospitals covered under the Program:**

The location map of the 85 THQ hospitals that will be taken up for rehabilitation in this program is given below:

PROJECT MANAGEMENT UNIT  
 PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



## 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:**LO17011166  
**A/C To be Credited:**Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	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	105.145	0.000	100.000	0.000	100.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>105.145</b>	<b>0.000</b>	<b>100.000</b>	<b>0.000</b>	<b>100.000</b>	<b>0.000</b>

**Financial Components:** Capital  
**Cost Center:**OTHERS- (OTHERS)  
**Fund Center (Controlling):**LE4203

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010607  
**A/C To be Credited:**Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	27.834	0.000	20.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>27.834</b>	<b>0.000</b>	<b>20.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

## Abstract of Cost

Name of THQ Hospital	Revaming of THQ Hospital PATTOKI											
Scope of work	Original			1st Revised			2nd Revised			3rd Revised		
	Cost in million											
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>												
Internal development	0.000	22.300	22.300	0.000	22.300	22.300	45.685	7.000	52.685	45.685	7.000	52.685
External development	0.000	4.763	4.763	0.000	4.763	4.763	2.149	0.000	2.149	2.149	0.000	2.149
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Capital Component</b>	<b>0.000</b>	<b>32.663</b>	<b>32.663</b>	<b>0.000</b>	<b>32.663</b>	<b>32.663</b>	<b>47.834</b>	<b>7.000</b>	<b>54.834</b>	<b>47.834</b>	<b>7.000</b>	<b>54.834</b>
<b>Revenue component</b>												
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	47.336	47.336
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	52.958	52.958	0.000	52.958	52.958	0.000	71.706	71.706	0.000	106.711	106.711
Electricity	0.000	14.584	14.584	0.000	14.584	14.584	0.000	15.184	15.184	0.000	28.838	28.838
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	2.972	2.972	0.000	2.972	2.972	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	37.910	37.910	0.000	53.845	53.845
LC Deficit during procurement (currency fluctuation)								3.151	3.151		3.151	3.151
<b>Total Revenue component</b>	<b>0.000</b>	<b>146.464</b>	<b>146.464</b>	<b>0.000</b>	<b>146.464</b>	<b>146.464</b>	<b>0.000</b>	<b>201.570</b>	<b>201.570</b>	<b>0.000</b>	<b>298.097</b>	<b>298.097</b>
<b>Outsourcing component</b>												
Janitorial Services	0.000	13.406	13.406	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.343	5.343	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.670	1.670	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	4.686	4.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	2.537	2.537	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
<b>Total outsourcing cost</b>	<b>0.000</b>	<b>38.689</b>	<b>38.689</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>	<b>0.000</b>	<b>0.048</b>	<b>0.048</b>
<b>Total</b>	<b>0.000</b>	<b>217.816</b>	<b>217.816</b>	<b>0.000</b>	<b>179.175</b>	<b>179.175</b>	<b>47.834</b>	<b>208.618</b>	<b>256.452</b>	<b>47.834</b>	<b>305.145</b>	<b>352.979</b>
<b>Contingency (1%) only on Civil Component</b>	0.000	0.328	0.328	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Monitoring (TPM) (1%)</b>	0.000	2.178	2.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third Party Validation (TPV) (1%)</b>	0.000	2.178	2.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Grand Total</b>	<b>0.000</b>	<b>222.500</b>	<b>222.500</b>	<b>0.000</b>	<b>179.175</b>	<b>179.175</b>	<b>47.834</b>	<b>208.618</b>	<b>256.452</b>	<b>47.834</b>	<b>305.145</b>	<b>352.979</b>

## MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
1	Histology slide boxes	3	3,100	9,299	3	3,100	9,299	3	4,500	13,500	3	4,500	13,500
2	Labeling Device connected with Computer	3	60,000	180,000	3	60,000	180,000	3	80,000	240,000	3	80,000	240,000
3	Safe Transportation Boxes	2	15,750	31,500	2	15,750	31,500	2	18,000	36,000	2	18,000	36,000
4	Portable Safety Exhaust Hood	1	160,000	160,000	1	160,000	160,000	1	250,000	250,000	1	450,000	450,000
5	Centrifuge Machine	0	149,336	-	0	149,336	-	0	250,000	-	0	325,000	-
6	Hot plates	2	26,250	52,500	2	26,250	52,500	2	45,000	90,000	2	55,000	110,000
7	Water bath	1	157,500	157,500	1	157,500	157,500	1	157,500	157,500	1	300,000	300,000
8	Complaint boxes	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500
9	Spine boards with Neck holders	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320
10	Sensitometer	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325
11	Densitometer personal	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782
12	Box of Films	2	26,250	52,500	2	26,250	52,500	2	30,000	60,000	2	30,000	60,000
13	Aluminium Step Wedge	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250
14	Non-Mercury thermometer	10	305	3,045	10	305	3,045	10	350	3,500	10	750	7,500
15	Brass or copper mesh screen	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500
16	Wheel Chairs	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
17	Statures	0	67,830	-	0	67,830	-	0	75,000	-	0	75,000	-
18	Blood Warmer	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000	3	275,000	825,000
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000	2	600,000	1,200,000
20	Blood Bank Refrigerators with	0	682,500	-	0	682,500	-	0	700,000	-	0	1,469,900	-
21	Data Coder	1	84,000	84,000	1	84,000	84,000	1	100,000	100,000	1	-	-
22	Plasma Separator 1	0	4,200,000	-	0	4,200,000	-	0	4,500,000	-	0	4,500,000	-
23	Blood Storage Cabinet	1	682,500	682,500	1	682,500	682,500	1	700,000	700,000	1	1,469,900	1,469,900
24	Resuscitation Trolley	0	244,733	-	0	244,733	-	0	400,000	-	0	491,350	-
25	Ultra sound machine gyne	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-	0	2,150,000	-
26	Delivery Table	0	47,250	-	0	47,250	-	0	47,250	-	0	48,500	-
27	Height and weight scale	4	8,400	33,600	4	8,400	33,600	4	10,000	40,000	4	31,500	126,000
28	Suction Electronic	0	259,350	-	0	259,350	-	0	275,000	-	0	275,000	-
29	Fetal Heart Rate Detector	1	144,375	144,375	1	144,375	144,375	1	175,000	175,000	1	275,000	275,000
30	Ambo bag	0	17,325	-	0	17,325	-	0	19,000	-	0	19,000	-
31	Neonatal size face mask	4	578	2,310	4	578	2,310	4	1,200	4,800	4	1,500	6,000
32	Exchange transfusion trays	2	10,000	20,000	2	10,000	20,000	2	10,000	20,000	2	12,000	24,000
33	Shoe racks SS	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600
34	Sterilizer	0	2,940,000	-	0	2,940,000	-	0	3,500,000	-	0	7,800,000	-
35	Washer disinfectant	0	-	-	0	-	-	0	-	-	0	-	-
36	Packing table	0	-	-	0	-	-	0	-	-	0	-	-
37	Digital Sealer Printer	1	420,000	420,000	1	420,000	420,000	1	480,000	480,000	1	520,000	520,000
38	Backup Auto Clave	0	441,000	-	0	441,000	-	0	550,000	-	0	789,625	-
39	Racks for Manual	10	21,000	210,000	10	21,000	210,000	10	37,500	375,000	10	56,160	561,600
40	Locked Racks for MSDS Data	2	21,000	42,000	2	21,000	42,000	2	37,500	75,000	2	56,160	112,320
41	Eye Wash Station with shower	3	300,000	900,000	3	300,000	900,000	3	350,000	1,050,000	3	350,000	1,050,000
42	Air Curtain	4	50,190	200,760	4	50,190	200,760	4	60,000	240,000	4	60,000	240,000
43	Fire Sand Buckets with stand	5	15,000	75,000	5	15,000	75,000	5	20,000	100,000	5	20,000	100,000
44	Smoke Detectors	10	7,350	73,500	10	7,350	73,500	10	8,500	85,000	10	8,500	85,000
45	Heat Detector	5	8,400	42,000	5	8,400	42,000	5	10,000	50,000	5	10,000	50,000
46	Gas Detector	5	6,300	31,500	5	6,300	31,500	5	7,500	37,500	5	7,500	37,500
47	Fire Blankets	10	2,783	27,825	10	2,783	27,825	10	3,200	32,000	10	3,200	32,000
48	Fire Alarms	10	5,250	52,500	10	5,250	52,500	10	6,500	65,000	10	6,500	65,000

## MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
49	Identification Bands	100	3	315	100	3	315	100	3	300	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-	0	750	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000	6	10,000	60,000
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-	0	100,000	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Temperature Humidity Guage	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000
63	Bio Cleaning and Disinfection System	1	650,000	650,000	1	650,000	650,000	1	650,000	650,000	1	2,200,000	2,200,000
	<b>Total</b>			<b>8,647,094</b>			<b>8,647,094</b>			<b>9,653,822</b>			<b>13,437,942</b>
				8.647			8.647			9.654			13.438



## Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
				(T=S+E=6)			(T=S+E=6)			(T=S+E=6)			(T=S+E=6)		
1	Reception Area	Table	0	99,750	-	0	99,750	-	0	99,750	-	0	99,750	-	
2		Chairs	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-	
3		Computer Data Entry With Printer	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000	
4	3	Table (2.5 X 4)*(N)	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-	
5	6	Chairs *(N)	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-	
6	Triage area	B.p apparatus wall type*(N)	3	15,750	94,500	6	15,750	94,500	6	30,000	180,000	6	30,000	180,000	
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	6	420,000	2,520,000	6	460,000	2,760,000	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped) *(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17	MEDICINE TROLLY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	
18	Minor O.T	O.T table WITH foot step	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000	
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4	0	420,000	-	0	420,000	-	0	460,000	-	0	850,000	-
29		Sucker machine *(N)	2	0	259,350	-	0	259,350	-	0	275,000	-	0	300,000	-
30		Nebulizer HD*(N)	2	0	125,265	-	0	125,265	-	0	215,000	-	0	300,000	-
31		Center Oxygen supply*N	1	0	420,000	-	0	420,000	-	0	-	-	0	-	-
32		Resuscitation Trolley (fully equipped) *(N)	1	0	237,618	-	0	237,618	-	0	400,000	-	0	600,000	-
33		Defibrillator*N	1	0	302,605	-	0	302,605	-	0	650,000	-	0	800,000	-
34		Pulse- oximeter*(N)	4	0	104,000	-	0	104,000	-	0	160,000	-	0	225,000	-
35		Bedside-monitor*(N)	4	0	301,665	-	0	301,665	-	0	550,000	-	0	1,200,000	-
36		ECG MACHINE)*(N)	1	0	169,785	-	0	169,785	-	0	169,785	-	0	300,000	-
37		BP APPARATUS*N	1	0	15,750	-	0	15,750	-	0	16,000	-	0	16,000	-
38		FOOT STEP)*(N)	1	0	3,150	-	0	3,150	-	0	4,000	-	0	5,500	-
39	ATTANDANT BENCH)*(N)	1	0	5,250	-	0	5,250	-	0	8,000	-	0	10,000	-	
40	7	(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped) *(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000

### Emergency Equipment

Sr.	Area	ITEM DESCRIPTION	Yard	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49		Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51	Generalized	ambo bag paed with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		<b>Total</b>				<b>20,463,445</b>			<b>20,463,445</b>			<b>27,876,235</b>			<b>47,336,200</b>
						20.463			20.463			27.876			47.336

## Medical Equipment

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	0	1	449,295	449,295	0	1	449,295	449,295	0	1	449,295	449,295	0	1	449,295	449,295
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	427,350	427,350	0	1	427,350	427,350
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	427,350	427,350	0	1	427,350	427,350
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	2,744,858	-	0	0	2,744,858	-
5		Clinical Microscope	1	7	0	132,825	-	7	0	132,825	-	7	0	132,825	-	7	0	132,825	-
6		Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	60,000	60,000	0	1	60,000	60,000
7		Hot air Oven	1	0	1	210,000	210,000	0	1	210,000	210,000	0	1	210,000	210,000	0	1	210,000	210,000
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	52,500	52,500	0	1	52,500	52,500
9		Auto pipettes	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	31,500	315,000	0	10	31,500	315,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	3	0	149,336	-	3	0	149,336	-	3	0	149,336	-	3	0	149,336	-
12	X-Rays	Static X-ray Machine	1	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	1	0	3,850,524	-	1	0	3,850,524	-	1	0	3,850,524	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,018,245	-
15		Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	282,975	-	0	0	282,975	-
16		Lead apron and PPE	2	0	2	52,500	105,000	0	2	52,500	105,000	0	2	52,500	105,000	0	2	52,500	105,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20		Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,371,331	-
21	Ultrasound	Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310
22		ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	301,665	603,330	0	2	301,665	603,330
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	299,153	299,153	0	1	299,153	299,153
25	CCU	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,021,838	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,681,790	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	259,350	518,700	0	2	259,350	518,700
29	Blood Bank	Blood Cabinet	1	1	0	690,539	-	1	0	690,539	-	1	0	690,539	-	1	0	690,539	-
30		Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	149,336	149,336	1	1	149,336	149,336
31		Slide viewer	1	1	0	42,000	-	1	0	42,000	-	1	0	42,000	-	1	0	42,000	-
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	132,825	132,825	0	1	132,825	132,825
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000
34	Nursery	Baby Cot	10	4	6	14,669	88,011	4	6	14,669	88,011	4	6	14,669	88,011	4	6	14,669	88,011
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	130,200	260,400	0	2	130,200	260,400
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	335,638	671,276	0	2	335,638	671,276
37		Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	104,500	627,000	0	6	104,500	627,000
38		Infant Incubator	2	1	1	858,932	858,932	1	1	858,932	858,932	1	1	858,932	858,932	1	1	858,932	858,932
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	259,350	259,350	0	1	259,350	259,350
40	O.T (04)	Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	125,265	250,530	0	2	125,265	250,530
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	2,509,554	-	1	0	2,509,554	-
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	1	1	441,000	441,000	1	1	441,000	441,000	1	1	441,000	441,000
43		Defibrillator	2	0	2	308,713	617,425	0	2	308,713	617,425	0	2	308,713	617,425	0	2	308,713	617,425
44		Electrosurgical Unit	1	2	0	507,530	-	2	0	507,530	-	2	0	507,530	-	2	0	507,530	-
45		Operation Table	1	2	0	1,426,215	-	2	0	1,426,215	-	2	0	1,426,215	-	2	0	1,426,215	-
46		Ceiling Operating Light	1	2	0	413,013	-	2	0	413,013	-	2	0	413,013	-	2	0	413,013	-
47		STEAM STERILIZER	1	3	0	3,465,000	-	3	0	3,465,000	-	3	0	3,465,000	-	3	0	3,465,000	-
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	259,350	518,700	0	2	259,350	518,700
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	244,733	489,466	0	2	244,733	489,466
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	21,000	84,000	0	4	21,000	84,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	304,220	-	1	0	304,220	-
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	1,426,215	-	0	0	1,426,215	-
53		ORTHOPEDIC DRILL	0	1	0	1,108,740	-	1	0	1,108,740	-	1	0	1,108,740	-	1	0	1,108,740	-
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	276,250	276,250	0	1	276,250	276,250
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-
56		Orthopedic Instruments	0	1	0	432,623	-	1	0	432,623	-	1	0	432,623	-	1	0	432,623	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,418,958	-

**Medical Equipment**

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised				
				Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	
58	Gynea (20 beds)	Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	441,000	550,000	550,000	0	1	850,000	850,000
59		Delivery Set	10	6	4	31,500	126,000	6	4	31,500	126,000	6	4	40,000	160,000	6	4	65,000	260,000	
60		Delivery Table	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	55,000	55,000	
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000	
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000	
63		Vacuum Extractor	1	1	0	259,350	-	1	0	259,350	-	1	0	300,000	-	1	0	350,000	-	
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-	
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	300,000	300,000	
66		Portable O.T Light	2	1	1	304,220	304,220	1	1	304,220	304,220	1	1	400,000	400,000	1	1	900,000	900,000	
67		Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000	
68		Delivery trolley	2	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-	
70		Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	0	7,800,000	-	
71		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-	
72	MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	900,000	-		
73	Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-		
74	Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-		
75	Set of Surgical Instruments	0	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-		
76	Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000		
77	wheel chair	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	35,000	280,000	2	8	35,000	280,000		
78	foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888		
79	Resuscitation trolley With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000		
80	BP Appratus	15	2	13	15,750	204,750	2	13	15,750	204,750	2	13	16,000	208,000	2	13	16,000	208,000		
81	Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-		
82	CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000		
83	X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000		
84	Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000		
85	Image Intensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	12,000,000	-		
86	Central Medical Gas Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-		
87	Motorized Patient bed with bed side, Mattress, IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000		
88	Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000		
89	Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000		
90	Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000		
91	Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-		
92	ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-		
93	Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000		
94	Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-		
95	ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-		
96	Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000		
97	Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-		
98	Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000		
99	CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-		
100	DELIVERY TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250		
101	Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000		
102	Ambu-Bag, paed	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000		
103	MORTUERY	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000		
104	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Autopsy Table & Lifter Trolley	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000		
105	Dental Unit	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000		
106	Autoclave	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000		
107	Dental X-RAY Machine	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-		
108	Digital Intra Oral Camera	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-		
109	DENTAL CAUTERY	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000		
110	Ultrasonic scaling	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000		
111	Curing lights	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000		
112	Endo motor system	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-		
113	Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-		
114	Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000		
114	Beds	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000	
		<b>Total</b>				<b>52,958,499</b>			<b>52,958,499</b>			<b>71,706,070</b>			<b>71,706,070</b>			<b>106,710,638</b>		
						<b>52,958</b>			<b>52,958</b>			<b>71,706</b>			<b>71,706</b>			<b>106,711</b>		

## Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	0	450,000	-	0	450,000	-	0	450,000	-	0	450,000	-
3	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
4	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	1	4,500,000	4,500,000
5	2 Ton air conditioners (split)	30	55,500	1,665,000	30	55,500	1,665,000	30	55,500	1,665,000	30	139,150	4,174,500
6	2 Ton air conditioners (Cabinet)	30	78,000	2,340,000	30	78,000	2,340,000	30	78,000	2,340,000	30	187,200	5,616,000
7	4 Ton air conditioners (Cabinet)	4	120,000	480,000	4	120,000	480,000	4	120,000	480,000	4	353,899	1,415,596
8	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	6,975	348,750
10	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	6,600	475,200
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	<b>Total</b>			<b>14,583,660</b>			<b>14,583,660</b>			<b>15,183,660</b>			<b>28,838,046</b>
				<b>14.584</b>			<b>14.584</b>			<b>15.184</b>			<b>28.838</b>

## IT & QMS & Surveillance

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Desktop, UPS, LED	30	75,000	2,250,000	30	75,000	2,250,000	30	130,000	3,900,000	30	216,000	6,480,000
2	MS Windows License	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000	30	20,000	600,000
3	Scanner Flatbed with ADF	3	90,000	270,000	3	90,000	270,000	3	150,000	450,000	3	150,000	450,000
4	Heavy duty Printer	7	40,000	280,000	7	40,000	280,000	7	50,000	350,000	7	110,000	770,000
5	Multimedia Projector with Screen	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
6	Tabs	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000	4	50,000	200,000
7	Laptop	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
8	MS Windows License	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000	1	20,000	20,000
9	QMS System	1	3,700,000	3,700,000	1	3,700,000	3,700,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000
10	Networking	1	995,000	995,000	1	995,000	995,000	1	995,000	995,000	1	1,200,000	1,200,000
11	Monitoring & Surveillance (CCTV)	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
12	Public Address System	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,000,000	1,000,000	1	1,200,000	1,200,000
	<b>Total</b>			<b>14,515,000</b>			<b>14,515,000</b>			<b>16,715,000</b>			<b>20,120,000</b>
				<b>14.515</b>			<b>14.515</b>			<b>16.715</b>			<b>20.120</b>

## Furniture and Fixtures

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60000	480,000
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	125000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	<b>Machinery and Equipment's</b>												
14	Refrigerator(Domestic) front glass double door	2	160,000	320,000	2	160,000	320,000	2	160,000	320,000	2	150000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	75000	375,000
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	11000	33,000
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	80000	800,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	6500	195,000
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	140000	2,100,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	60000	300,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20000	80,000
	<b>Laundry &amp; Washing</b>												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	2500	750,000
25	Pillows	150	400	60,000	150	400	60,000	150	400	60,000	150	500	75,000
26	Blankets with covers	100	5,000	500,000	100	5,000	500,000	100	5,000	500,000	100	4000	400,000
	<b>Medicine Store</b>												
27	Medicine (Iron Racks) 8x6x2 (Required)	20	50,000	1,000,000	20	50,000	1,000,000	20	50,000	1,000,000	20	60000	1,200,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6500	162,500
33	Thermometer (Required)	20	16,000	320,000	20	16,000	320,000	20	16,000	320,000	20	600	12,000
	<b>Total</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>13,503,500</b>			<b>18,787,500</b>
				<b>13.504</b>			<b>13.504</b>			<b>13.504</b>			<b>18.788</b>

## Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		<b>External Sign Boards</b>												
1	A1	External Platform/Road Signage (Circular)	6	9,710	58,260	6	9,710	58,260	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	8,883	53,298	6	8,883	53,298	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	107,950	107,950	1	107,950	107,950	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	13,870	138,700	10	13,870	138,700	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	21,586	21,586	1	21,586	21,586	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	28,940	28,940	1	28,940	28,940	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	35,738	35,738	1	35,738	35,738	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	43,401	43,401	1	43,401	43,401	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	50,674	50,674	1	50,674	50,674	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,623	22,869	3	7,623	22,869	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	45,299	271,794	6	45,299	271,794	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	39,523	79,046	2	39,523	79,046	2	56,788	113,576	2	56,788	113,576
		<b>Internal Signage</b>	0		-	0		-	0		-	0		-
1	F1	Internal Hanging Signage (Main Entrance)	5	87,201	436,005	5	87,201	436,005	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	66,393	331,965	5	66,393	331,965	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	49,171	196,684	4	49,171	196,684	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	49,741	198,964	4	49,741	198,964	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,577	88,039	7	12,577	88,039	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,615	72,300	20	3,615	72,300	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	831	83,100	100	831	83,100	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,365	136,500	100	1,365	136,500	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,465	173,250	50	3,465	173,250	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,763	17,630	10	1,763	17,630	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,220	12,200	10	1,220	12,200	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,336	46,720	20	2,336	46,720	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,236	101,180	5	20,236	101,180	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,085	52,125	25	2,085	52,125	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	627	3,135	5	627	3,135	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,097	10,970	10	1,097	10,970	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	852	12,780	15	852	12,780	15	1,225	18,375	15	1,225	18,375
		<b>Total</b>			<b>2,885,803</b>			<b>2,885,803</b>			<b>4,146,482</b>			<b>4,146,482</b>
		Designing and Site Supervision			86,574			86,574			124,394			124,394
		<b>Grand Total</b>			<b>2,972,377</b>			<b>2,972,377</b>			<b>4,270,877</b>			<b>4,270,877</b>
					2.972			2.972			4.271			4.271



## DAY CARE CENTER

### Yard Stick as per Women Development Department

Sr. No.	ITEMS	Original			1st Revised			2nd Revised			3rd Revised		
		Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
1	Cylinder Block	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
2	Geometrical Cabinet (36 pcs)	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
3	Geometrical Solids (10 pcs)	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200	1	2,200	2,200
4	Base for Geometrical Solids (14 pcs)	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
5	Constructive Triangles (4 box)	1	400	400	1	400	400	1	400	400	1	400	400
6	Metal Insets (10 - shape)	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
7	Stand for metal insets	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000	1	2,000	2,000
8	Paper Board for metal insets (10 Boards)	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
9	Sandpaper Alphabets (English)	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
10	Sandpaper Alphabets (Urdu)	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500	3	3,500	10,500
11	Sandpaper Number	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000	3	2,000	6,000
12	Hammer Case	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
13	Soft Reading Book	15	200	3,000	15	200	3,000	15	200	3,000	15	200	3,000
14	Shape Sorting Case	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
15	Transport Set (Model)	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
16	Model Puzzles (S)	7	300	2,100	7	300	2,100	7	300	2,100	7	300	2,100
17	Model Puzzles (B)	7	500	3,500	7	500	3,500	7	500	3,500	7	500	3,500
18	Storybook	20	100	2,000	20	100	2,000	20	100	2,000	20	100	2,000
19	Information Book (Large)	20	350	7,000	20	350	7,000	20	350	7,000	20	350	7,000
20	Basket (L)	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000	10	1,000	10,000
21	Basket (S)	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
22	Color table Box	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
23	ABC Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
24	Number Block	4	500	2,000	4	500	2,000	4	500	2,000	4	500	2,000
25	Color Pensils (Large)	5	450	2,250	5	450	2,250	5	450	2,250	5	450	2,250
26	Color Crayons (Large)	5	300	1,500	5	300	1,500	5	300	1,500	5	300	1,500
27	Marker Color (Board and Permanent)	15	395	5,925	15	395	5,925	15	395	5,925	15	395	5,925
28	Fruits Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
29	Vegetables Basket (Model Set)	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000	2	1,000	2,000
30	Animal Sets	2	600	1,200	2	600	1,200	2	600	1,200	2	600	1,200
31	Insects sets	2	400	800	2	400	800	2	400	800	2	400	800
32	Shape Sorting House	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000	2	1,500	3,000
33	Flash card (Small)	10	120	1,200	10	120	1,200	10	120	1,200	10	120	1,200
34	Flash card (Big)	10	325	3,250	10	325	3,250	10	325	3,250	10	325	3,250
35	Sand Play	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000	2	1,000	4,000
36	Gym Play	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000	2	2,000	3,000
37	Straight Mats	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000	20	1,500	40,000
38	Folding Mats	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000	20	2,000	6,000
39	Diaper Changing Mats	3	300	1,500	3	300	1,500	3	300	1,500	3	300	1,500
40	Cube Cushion	2	500	1,000	2	500	1,000	2	500	1,000	2	500	1,000
41	Square Cushion	2	500	600	2	500	600	2	500	600	2	500	600
42	Baby Mirror	3	300	2,400	3	300	2,400	3	300	2,400	3	300	2,400
43	Pink Tower With Stand	1	800	500	1	800	500	1	800	500	1	800	500
44	Dressing Frames	10	500	8,000	10	500	8,000	10	500	8,000	10	500	8,000
45	Monkey Stuffed	2	800	2,400	2	800	2,400	2	800	2,400	2	800	2,400
46	Lion Stuffed	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400	2	1,200	3,400
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

## DAY CARE CENTER

### Yard Stick as per Women Development Department

Sr. No.	ITEMS	Original			1st Revised			2nd Revised			3rd Revised		
		Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
77	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pal Teether	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Fun Rattle	15	400	6,000	15	400	6,000	15	400	6,000	15	400	6,000
80	Mother feeding Chair	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
81	Soft Books (duplication)	20	500	10,000	20	500	10,000	20	500	10,000	20	500	10,000
82	Bottle Brushes	3	300	900	3	300	900	3	300	900	3	300	900
<b>List of others Items i.e. Kitchen, Office, Electric items</b>				-			-			-			-
1	Water Dispenser	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000
2	Microwave Oven	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400
3	Fridge	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000
4	Kitchen Accessories / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
<b>TOTAL</b>				<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>
				1.600			1.600			1.600			1.600

### Human Resource Model of THQ Hospital

Sr. No.	NAME OF POST	Original			1st Revised			2nd Revised			3rd Revised							
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	<b>HR FOR QMS and MSDS and Day Care Center</b>																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	<b>Sub Total of HR Model</b>			<b>4,860,000</b>	<b>17,220,000</b>			<b>4,860,000</b>	<b>17,220,000</b>			<b>5,040,000</b>	<b>28,140,000</b>				<b>5,273,000</b>	<b>40,473,000</b>
					<b>17,220</b>				<b>17,220</b>				<b>28,140</b>					<b>40,473</b>
	<b>Utilization of HR Component</b>								<b>9.770</b>				<b>13.37</b>					
	<b>Total of HR Component</b>												<b>37.91</b>					<b>53.845</b>

# Janitorial Services

	<b>Original</b>		<b>From 1st Revised to onward</b>
Assumptions			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	30,312	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	4	Persons	
Road and ROW area	46,030	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	3	Persons	
Number of washroom blocks	17	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	6	Persons	
Total sweeper in morning shift	13	Persons	
Total number of sweepers in evening shift	7	Persons	
Total number of sweepers in night shift	6	Persons	
Total number of sweepers in all shifts	26	Persons	
Number of sewer men required	3	Persons	
Number of supervisors	3	Persons	
<b>Salary component</b>			
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary for One Year</b>
Sweepers / Janitors	26	22,000	6,877,714
Sewer men	3	22,000	792,000
Supervisors	3	26,000	936,000
Cost of Supply per Month		400,000	4,800,000
<b>Sub Total (Salary component)</b>			<b>13,405,714</b>

13.406

## Security and Parking

	<b>Original</b>		<b>From 1st Revised to onward</b>			
<b>Assumptions</b>				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b> In view of above, Outsourcing cost has been excluded from this PC-I.		
Covered area excluding residences	30,312					
Covered Area per guard	15,000					
<b>Number of guards</b>	<b>2</b>					
Open area excluding parking area	46,030					
Area covered per guard per shift for open area excluding parking	15,000					
<b>Number of guards for total area excluding parking area</b>	<b>3</b>					
Number of gates	3					
<b>Number of guards at gates</b>	<b>6</b>					
<b>Total No of Guard</b>	<b>11</b>					
Total number of all guards for second shift	6					
<b>Lady Searcher</b>	<b>2</b>					
Number of parking areas	1					
Number of guards for parking lot per shift (Morning+ Evening)	2					
Total no. of Supervisors	2					
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary per Month for all Person</b>	<b>Salary for One year</b>		
Supervisors	2	24,675	49,350	592,200		
Ex-Army	6	21,525	129,150	1,549,800		
Civilian	9	21,000	189,000	2,268,000		
Lady Searcher	2	21,525	43,050	516,600		
Parking	2	21,525	43,050	516,600		
<b>Sub total</b>				<b>5,443,200</b>		
<b>Equipment cost</b>						
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000		
<b>Sub total</b>				<b>400,000</b>		
<b>Subtracting Parking Fees</b>				500,000		
<b>Total Security and Parking Services</b>				<b>5,343,200</b>		
				<b>5.343</b>		

# Laundry Services

	<b>Original</b>			<b>From 1st Revised to onward</b>
Number of beds	60			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:  <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b>                      In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Type of Item	No of Beds	Per bed cost per year	Total Cost	
No of Bed	60	30,000	1,800,000	
Transport Charges			1,200,000	
<b>Total for laundry items</b>			<b>3,000,000</b>	
<b>Total</b>			<b>3.000</b>	

## Maintenance of Generator

	<b>Original</b>			<b>From 1st Revised to onward</b>
Item Name	Quantity	Cost per year	Total Cost	
<b>Periodical Maintenance Cost</b>				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b> In view of above, Outsourcing cost has been excluded from this PC-I.
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	-	300,000	-	
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	175,000	175,000	
<b>HR Cost</b>				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
<b>Total</b>			<b>1,670,000</b>	
			<b>1.670</b>	

# MEP

	<b>Original</b>				<b>From 1st Revised to onward</b>	
<b>Type of worker / Component</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary per Month for all persons</b>	<b>Salary for One Year</b>		
Supervisors	1	56,420	56,420	677,040	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:  <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b>                      In view of above, Outsourcing cost has been excluded from this PC-I.</p>	
Plumber	1	32,550	32,550	390,600		
AC/ Technician	1	34,720	34,720	416,640		
Electrician	2	31,465	62,930	755,160		
Car painter	1	30,380	30,380	364,560		
<b>Total (Salary component)</b>			<b>217,000</b>	<b>2,604,000</b>		
	<b>No.</b>	<b>Per Unit Cost per Year</b>	<b>Cost per Year for all Items</b>	<b>Cost for One Year</b>		
A/C	200	6,665	1,333,000	1,333,000		
Fridge	10	4,000	40,000	40,000		
UPS	15	8,000	120,000	120,000		
Water Cooler	20	4,000	80,000	80,000		
Exhaust	10	3,000	30,000	30,000		
Geyser	20	4,000	80,000	80,000		
Water Pump	8	3,000	24,000	24,000		
Carpentry Work		-	180,000	180,000		
Electrical Work		-	120,000	120,000		
Plumbing Work		-	75,000	75,000		
<b>Sub Total</b>				<b>2,082,000</b>		
<b>General Total</b>				<b>4,686,000</b>		
				<b>4.686</b>		



## Medical Gases

		<b>Original</b>				<b>From 1st Revised to onward</b>
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	
<b>Oxygen</b>	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
<b>Nitrous Oxide</b>	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
<b>Nitrogen Gas</b>	Nitrogen Gas	1	12	2,000	24,000	
<b>Total</b>					<b>1,304,400</b>	

1.304

## Cafeteria Pre-Fabrication Cateen (Procurement)

Sr. No.	Description of work	Original				From 1st Revised to onward
		Unit	Qty	Rate (Rs)	Amount (Rs)	
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm) ) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
<b>Total Amount of Platform Construction</b>					<b>1,225,070</b>	
<b>Pre-Fabrication of Canteen Structure</b>						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick ( 16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
<b>Total Cost of Pre-Fabrication of Canteen Structure</b>					<b>3,307,052</b>	
<b>Total Amount (Rs)</b>					<b>4,532,121</b>	
22	Electrification				998,735	
23	Plumbing and Sanitary				410,000	
24	Kitching Fixtures				802,000	
<b>Grand Total Amount (Rs)</b>					<b>6,742,856</b>	

6.743

**LANDSCAPE DEVELOPMENT WORKS  
COST ESTIMATE**

		Original				From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	
<b>1</b>	<b>SOFT LANDSCAPE</b>					
<b>1.1</b>	<b>TOP SOIL</b>					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	5,972	20	119,443	
<b>1.2</b>	<b>STONE / PEBBLES</b>					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	31,375	31,375	
<b>1.3</b>	<b>GRASSING</b>					
<b>a</b>	<b>GRASSING (EXISTING NON MAINTANE LAWNS)</b>					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	8,190	7	57,333	
<b>b</b>	<b>GRASSING (NEW LAWNS)</b>					
	Providing and dibbing of Fine Dacca grass including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	10,238	10.00	102,380	
<b>1.4</b>	<b>TREE / SHRUBS (SPREADING)</b>					
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
<b>a</b>	Trees 18" pot 6'-7" - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pliken, Manifera etc.	No's	42	1,400	58,800	
<b>b</b>	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Ficus Black, Ficus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestral, Pliken, Palms etc.	No's	10	260	2,600	
<b>c</b>	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Beri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	40	600	24,000	
<b>1.5</b>	<b>SHRUBS AND ORNAMENTAL PLANTS</b>					
	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Dwarf Spp, Jasmine Sambac(Motty), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagras, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thalaeragmontana Variegated etc.	No's	3,723	65	241,995	
<b>a</b>	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc.	No's	585	185	108,225	
<b>1.6</b>	<b>GROUND COVERS</b>					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Ground Cover Plastic Bag Plants Alternat Hera, Dianella, Iresine (Red), Hemercolis(Daviliv), Duranta etc.	No's	3,976	11	43,736	
<b>1.7</b>	<b>PALMS</b>					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer.					
<b>a</b>	Palm 18" pot - Queen Palm, Wodyeta Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	5	3,575	17,875	
<b>b</b>	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	6	1,700	10,200	
<b>1.8</b>	<b>CREEPERS</b>					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	20	185	3,700	
<b>2</b>	<b>HARD LANDSCAPE</b>					
<b>2.1</b>	<b>WALK WAYS</b>					
<b>a</b>	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	819	150	122,850	
<b>2.2</b>	<b>BENCHES</b>					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	4	14,698	58,792	
<b>2.3</b>	<b>DUSTBINS</b>					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	3	27,700	83,100	
<b>2.4</b>	<b>PLAYING EQUIPMENTS</b>					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939	
<b>2.5</b>	<b>PLANTERS</b>					
	Concrete planters 2' X 2'-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	3	3,700	11,100	
<b>2.6</b>	<b>WATER POINTS (Injector Pump IHP)</b>					
		No's	1	45,000	45,000	
<b>3</b>	<b>SOFT LANDSCAPE MAINTENANCE</b> (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	20,476	7.50	153,570	
<b>4</b>	<b>CONSTRUCTION OF PLANTERS</b>					
	<b>Large Size</b>					
<b>4.1</b>	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	80	550	44,000	
	<b>Medium Size</b>					
<b>4.2</b>	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	10	550	5,500	
	<b>Small Size</b>					
<b>4.3</b>	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	19	550	10,450	
<b>5</b>	<b>GAZEBO</b>					
	Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
<b>Total Amount of - Landscaping</b>					<b>2,100,963</b>	
<b>PRA(16%)</b>					<b>336,154</b>	
<b>Design Consultancy</b>					<b>100,000</b>	

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:  
**"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".**  
 In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.

**LANDSCAPE DEVELOPMENT WORKS  
COST ESTIMATE**

	<b>Original</b>			<b>From 1st Revised to onward</b>
<b>Grand Total</b>			2,537,117	
			2,537	

GOVERNMENT OF THE PUNJAB



2nd BI-Annual  
2021

Phase # 02

THQ

65

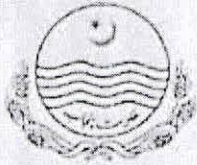
BUILDINGS DIVISION KASUR

ROUGH COST ESTIMATE FOR  
REVAMPING OF TEHSIL  
HEADQUARTER HOSPITALS IN  
DISTRICT KASUR ONE AT T.H.Q  
HOSPITAL PATTOKI

(ADP No. 792)

ESTIMATED COST: Rs: 49.701 (M)

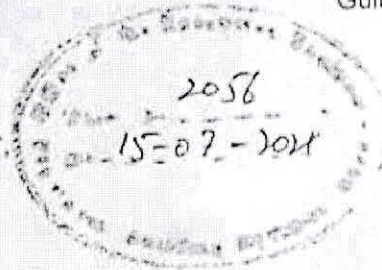
BUILDINGS SUB DIVISION PATTOKI



No. PMU/(P&SHD)/2021/1294  
PROJECT MANAGEMENT UNIT  
P&S HEALTHCARE DEPARTMENT  
(31-E/1, Shahrah-e-Hazrat Imam Hussain  
Gulberg-III, Lahore, Ph: 042-99231208)  
Dated: July 14, 2021

To

Executive Engineer,  
Buildings Division,  
Kasur.




**SUBJECT: REVISION OF RATES AS PER MRS SECOND BI-ANNUAL 2021 AND PLINTH AREA RATES FOR SECOND BI ANNUAL 2021 FOR ROUGH COST ESTIMATE FOR TEHSIL HEADQUARTER HOSPITALS AND BASIC HELTH UNIT OF DISTRICT KASUR**

It is stated that the Primary and Secondary Healthcare Department (P&SHD) has transformed its secondary healthcare establishments through revamping program. P&SHD is having 26 District and 133 Tehsil Headquarter Hospitals across the Punjab. Estimates for revamping of these hospitals have been prepared by C&W which includes Tehsil Head Quarter (THQ) Hospitals and Basic Health Units (BHU).

2. Department is pleased to inform that revamping of these THQ Hospitals and strengthening of BHUs have been reflected in current ADP financial year 2021-2022.

3. Hence, in this regard it is requested to provide revised estimates as per MRS Second Bi-Annual 2021 and Plinth Area Rates for Second Bi Annual 2021 for rough cost estimate for Tehsil Headquarter Hospitals and Basic Health Unit of District Kasur. Moreover, it is also requested to please provide estimate of balance work for revamping in DHQ Kasur at earliest, so that these schemes can be presented before respective forum for approval (which is expected to be held in this month) and work on these schemes can be executed promptly in best public interest.

*S.S.O. Kasur/Pathanki/H.S.*  
*for signature/initials;*

  
Project Officer Architect)  
Infrastructure Wing  
PMU P&SHD

CC:

1. Project Director, PMU, P&SH Department
2. Deputy Project Director, PMU, P&SH Department
3. Chief Engineer Building (Centre Zone), Buildings Department Lahore
4. Director Infrastructure, PMU, P&SH Department
5. Chief Executive Officer, District Health Authority, Kasur
6. File (I & C, Wing)

**ESTIMATE FRAMED BY: EXECUTIVE ENGINEER BUILDING DIVISION KASUR.**

**Name of work:**

**ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS IN DISTRICT KASUR ONE AT T.H.Q HOSPITAL PATTOKI**

**HISTORY**

The Govt. of Punjab is very keen to provide better Health Facilities for the people of Punjab. In this regard Project Management Unit P&S Healthcare Department Authority, has desired in letter No. PMU/(P&SHD)2021/1294, dated: 14-07-2021 for the Rough Cost Estimate for the Scheme cited above.

Keeping in View, this Rough Cost Estimate is prepared Amounting to Rs. **49.701 (M)** And Submitted for According Administrative Approval and Allotment of Funds.

**SCOPE OF WORK**

**The Following provision have been in the Estimate.**

01. Construction of Medicine Store. (1326-Sft)
02. REVAMPING of Main Building.
03. REVAMPING of Perveen Memorial & Emergency Block.
04. Electric Installation Work.
05. Public Health Work.
06. External Sewerage System.
07. Repair of Main Boundary Wall.
08. External Development (TUFF PAVERS ROAD).
09. Dismantling.

**SPECIFICATION.**

The work will be carried out according to Building Department Specifications.

**CARRYING OUT OF WORK**

Work will be carried out according to PWD specifications after issuance of Administrative approval Technical Sanction, release of funds and after calling competitive tenders as per usual practice of the Deptt.

**RATES**

The estimate is prepared on the basis of MRS rates  
(1st June, 2021 To 31st Dec, 2021)

**COST**

The total cost of the work comes to Rs. **49.701 (M)**

**TIME LIMIT**

It will take 12-Month to complete the work.

  
Sub Divisional Officer  
Buildings Sub-Division  
Pattoki.

  
Executive Engineer  
Buildings Division  
Kasur

**ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS IN DISTRICT KASUR ONE  
AT T.H.Q HOSPITAL PATTOKI**

Sr. No	Item of Work	Plinth Area	Unit	Plinth Area Rate				Total Rate	Amount	REMARKS
				B.P	P.H	E.I	S.G			
1	2	3	4	5	6	7	8	9	10	11
1	Construction of Medicine Store ( 40'-3" x 31'-4 1/2" = 1326 Sft)	1326	P.Sft	2324		118		2442	3238092	2nd Quarter 2021
2	Main Building	1	P.Job					28742601	28742601	Detailed Attached
3	Perveen Memorial & Emergency Block	1	P.Job					8768826	8768826	Detailed Attached
4	Electric Installation Work	1	P.Job					2000021	2000021	Detailed Attached
5	Public Health Work	2	P.Job					523878	1047755	Detailed Attached
6	External Development.	1	P.Job					2144520	2144520	Detailed Attached
7	Cost of Dismantling	1	P.Job					966884	966884	Detailed Attached
	<b>TOTAL</b>								<b>46908699</b>	
								D/d Cost of Old Material	<b>889327</b>	
	<b>N.TOTAL</b>								<b>46019372</b>	
								Add 3% Contingencies	<b>1380581</b>	
								Add 5% P.S.T	<b>2300969</b>	
								<b>G. TOTAL</b>	<b>49700922</b>	

**G. TOTAL 49701000**


Say Rs. 49.701 (M)

*Verified for Rs. 49.701 (M)*

  
Sub-Engineer

  
Sub-Divisional Officer  
Buildings Sub-Division  
Pattoki

  
Executive Engineer  
Buildings Division,  
Kasur

  
Superintending Engineer  
Buildings Circle No.2  
LAHORE.



# ABSTRACT OF COST MAIN BUILDING

2nd. Quarter 2021

Sr. No.	Description of Item	Qty	Unit		Rate	Amount
1	Petty repair to main rooms.	8	1	Each	802.20	6418
2	Petty repair to small rooms.	14	1	Each	401.05	5615
3	Preparing surface and painting with emulsion paint 2-coat	8562	100	Sft	1536.65	131568
4	P/L Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4 <i>Granite Floor Tile (Master) DWV Series pre-polished (Dark color)</i>	2083	100	Cft	<del>25014.00</del> 30810.78	521042
5	P/L <del>Repolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished</del> SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor) <i>do</i>	15247	1	Sft	285.00	4345413
6	P/L <del>Repolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished</del> SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)	12098	1	Sft	300.00	3629250
7	P/L floor of approved coloured glazed tiles ¼ "(6 mm) thick, laid in white cement and pigment on a bed of ¾" (20 mm) thick cement mortar 1:2. (For Floor)	1385	100	Sft	17721.85	245448
8	P/L Coloured glazed tile dado (6"x6"¼") (6mm) thick in pigment over 1:2 cement, sand mortar 3/4"(20mm) thick, including finishing. (For Dado)	5607	100	Sft	19287.70	1081461
9	P/L Chequered Tile 115 x 268 x 10mm Light colour Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor).	162	1	Sft	180.00	29160
10	P/F of False Ceiling consisting of laminated Gymsum Board (one side laminated) of size 600mm x 600mm x 9-10mm over aluminum Tee's 1"x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc compete in all respect as approved by the Engineer Incharge.	17729	1	Sft	<del>90.00</del> 100	1595593
11	P/F plastic wall Panelling china Made 10" wide 9'-6" height of 10" wide Strip of approved colour and design by engineer incharge.	28713	1	Sft	200.00	5742500
12	P/F of imported anti static floor sheet poly floor colore chemical resistant ESD, silver/grey 2mm thick UK i/c griding /preparation of floor surface by laying epoxy damp proof i/c all labour caping strip carriage as approved and directed by the Engineer Incharged (For Floor)	448	1	Sft	950.00	425600
13	P/L BioClad Antimicrobial Wall Pannel UK with local G.I and gypsum frame as approved by enginer incharge.	1000	1	Sft	2000.00	1999500
14	P/F BioClad Antimicrobial Ceiling UK Powder coated as approved by enginer incharge	448	1	Sft	2000.00	896000
15	P/L Single layer of tiles 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand (1:3) on top of RCC roof slab, provided with 34 lbs. per % Sft. bitumen coating and polythen sheet 500 gauge.	23070	100	Sft	8663.05	1998555
16	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position. complete in all respect. 1"	23238	100	Sft	5787.00	1344776

17	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	42	1	Each	603.60	25351
18	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 2 mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	2312	1	Sft	538.5	1245012
19	P/F Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	2312	1	Sft	330.05	763076
20	P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	1194	1	Sft	586.45	699928
21	P/F M.S grill consisting of 1" x 1" , 16-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 i/c 12-no ornamental wrought iron ess shape pieces in each window, 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	2312	1	Sft	400.00	924800
22	Pre-polished China Verona Marble Slab for steps 3/4" thick of required size and design not less then 4 sft of supreme quality laid in white cement and matching pigment over a bed of 3/4" thick c/s mortar 1:2 i/c making gola on exposed edges, complete in all respect as approved by the Engineer Incharge.	708	1	Sft	<del>588.00</del> 387	416304
23	P/F curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x3/4" 100mmx20mm) deodar wood strip, including painting.	835	1	Rft	172.20	143787
24	P/F stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical PIPE POST , of 2" fixed on steps with holding down rawel bolts	32	1	Rft	2000.00	64000
25	P/F collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	180	1	Sft	1081.30	194634
26	P/A weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: 1-Coat work on old surface.	6589	100	Sft	1034.00	68130
27	Removing cement or lime plaster.	3608	100	Sft	319.00	11510
28	1/2" thick Cement Sand Plaster (1:4) upto 20' height Applying floating coat of cement 1/32" (0.8 mm) thick.	5208	100	Sft	3613.10	188170
					<b>Total Rs:</b>	<b>28,742,601</b>

  
 Sub Divisional Officer  
 Building Sub Division  
 Pattoki

  
 Executive Engineer  
 Buildings Division  
 Kasur

## DETAIL QUANTITY OF MAIN BUILDING

2nd. Quarter 2021

1 Petty repair to main rooms.

8

	8	No.
<b>Total</b>	<b>8</b>	<b>Each</b>

2 Petty repair to small rooms.

14

	14	No.
<b>Total</b>	<b>14</b>	<b>Each</b>

3 Preparing surface and painting with emulsion paint 2-coat

Roof	Bath Room	2	5.00	7.00	70	Sft	
		3	6.00	6.00	108	Sft	
		1	6.00	6.25	38	Sft	
		1	6.00	5.00	30	Sft	
		2	6.00	6.00	72	Sft	
		1	5.00	4.25	21	Sft	
		1	7.25	5.00	36	Sft	
		1	10.00	5.00	50	Sft	
	Lav.	1	14.00	8.00	112	Sft	
	Lav.	1	7.00	14.00	98	Sft	
		1	7.00	12.00	84	Sft	
	Lav.	2	18.00	10.00	360	Sft	
	Lav.	1	16.00	9.00	144	Sft	
		1	18.00	9.00	162	Sft	
	Room No. 39	1	8.00	7.25	58	Sft	
		1	8.00	8.00	64	Sft	
	Room No. 49	1	8.00	18.00	144	Sft	
	Room No. 50	1	10.00	18.00	180	Sft	
Walls	Bath Room	4	5.00	7.00	140	Sft	
		4	7.00	7.00	196	Sft	
		6	6.00	7.00	252	Sft	
		6	6.00	7.00	252	Sft	
		2	6.00	7.00	84	Sft	
		2	6.25	7.00	88	Sft	
		2	6.00	7.00	84	Sft	
		2	5.00	7.00	70	Sft	
		4	6.00	7.00	168	Sft	
		4	6.00	7.00	168	Sft	
		2	5.00	7.00	70	Sft	
		2	4.25	7.00	60	Sft	
		2	7.25	7.00	102	Sft	
		2	5.00	7.00	70	Sft	
		2	10.00	7.00	140	Sft	
		2	5.00	7.00	70	Sft	
	Lav.	2	14.00	7.00	196	Sft	
	Lav.	2	8.00	7.00	112	Sft	
		4	3.00	2.00	24	Sft	
		4	5.00	2.00	40	Sft	
	Lav.	2	7.00	7.00	98	Sft	
	Lav.	2	14.00	7.00	196	Sft	
		2	7.00	7.00	98	Sft	
		2	12.00	7.00	168	Sft	
		8	3.25	2.00	52	Sft	
		8	5.00	2.00	80	Sft	

Lav.	4	18.00	7.00	504	Sft
Lav.	4	10.00	7.00	280	Sft
	12	5.00	2.00	120	Sft
	12	3.00	2.00	72	Sft
	4	7.00	2.00	56	Sft
	4	6.00	2.00	48	Sft
Lav.	2	16.00	7.00	224	Sft
	2	9.00	7.00	126	Sft
	2	18.00	7.00	252	Sft
	2	9.00	7.00	126	Sft
Bath Room	8	5.00	2.00	80	Sft
	8	4.25	2.00	68	Sft
	8	6.00	2.00	96	Sft
	8	4.25	2.00	68	Sft
Room No. 39	2	8.00	9.00	144	Sft
	2	7.25	9.00	131	Sft
	2	8.00	9.00	144	Sft
	2	8.00	9.00	144	Sft
Room No. 49	2	8.00	9.00	144	Sft
	2	18.00	9.00	324	Sft
Room No. 50	2	10.00	9.00	180	Sft
	2	18.00	9.00	324	Sft
				<b>Total</b>	<b>8562 Sft</b>

4 P/L Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4

Room No. 3 & 13	2	10.00	21.00	0.125	53	Cft
Room No. 4, 5 & 6	3	14.00	12.00	0.125	63	Cft
Dressing Area	3	7.25	6.00	0.125	16	Cft
Room No. 8	1	14.00	16.50	0.125	29	Cft
Room No. 9, 11 & 12	3	14.00	18.00	0.125	95	Cft
Room No. 10	1	14.00	10.00	0.125	18	Cft
Waiting Hall	1	15.00	21.00	0.125	39	Cft
Waiting Hall	1	16.00	16.00	0.125	32	Cft
Ver.	1	38.75	14.00	0.125	68	Cft
Ver.	1	85.50	7.00	0.125	75	Cft
	1	37.00	17.25	0.125	80	Cft
Room No. 16	1	14.00	15.00	0.125	26	Cft
	1	12.00	7.25	0.125	11	Cft
Room No. 17	1	9.00	10.00	0.125	11	Cft
Room No. 21	1	8.00	14.00	0.125	14	Cft
Room No. 22	1	12.00	14.00	0.125	21	Cft
Room No. 23	1	20.00	14.00	0.125	35	Cft
Room No. 24	1	12.00	14.00	0.125	21	Cft
	1	6.00	7.00	0.125	5	Cft
Room No. 25	1	6.25	6.25	0.125	5	Cft
Room No. 26	1	18.00	14.00	0.125	32	Cft
Room No. 29	1	10.00	12.00	0.125	15	Cft
	1	5.00	7.00	0.125	4	Cft
Room No. 30	1	6.00	10.50	0.125	8	Cft
Room No. 31 Cleaning Room	1	6.00	16.00	0.125	12	Cft
Room No. 39	1	8.00	7.25	0.125	7	Cft
	1	8.00	8.00	0.125	8	Cft

Room No. 49	1	8.00	18.00	0.125	18	Cft	
Room No. 50	1	18.00	10.00	0.125	23	Cft	
Room No. 51	1	12.00	14.00	0.125	21	Cft	
Room No. 52 & 56	2	18.00	40.00	0.125	180	Cft	
Room No. 53	1	15.00	10.00	0.125	19	Cft	
Room No. 54	1	6.00	10.00	0.125	8	Cft	
Room No. 55	1	8.00	10.00	0.125	10	Cft	
Room No. 57	1	7.00	9.00	0.125	8	Cft	
Ver.	1	104.00	7.00	0.125	91	Cft	
	1	6.00	7.00	0.125	5	Cft	
	1	15.50	7.00	0.125	14	Cft	
	1	42.00	20.00	0.125	105	Cft	
	1	14.00	28.00	0.125	49	Cft	
	1	44.00	30.00	0.125	165	Cft	
	1	15.00	21.00	0.125	39	Cft	
	1	46.50	7.00	0.125	41	Cft	
	1	15.00	21.00	0.125	39	Cft	
	3	75.00	7.00	0.125	197	Cft	
	1	70.00	7.00	0.125	61	Cft	
Door Cill	18	3.50	0.75	0.125	6	Cft	
	8	4.00	0.75	0.125	3	Cft	
	4	3.00	0.75	0.125	1	Cft	
Opening	5	4.00	0.75	0.125	2	Cft	
Roof	Bath Room	2	5.00	7.00	0.125	9	Cft
		3	6.00	6.00	0.125	14	Cft
		1	6.00	6.25	0.125	5	Cft
		1	6.00	5.00	0.125	4	Cft
		2	6.00	6.00	0.125	9	Cft
		1	5.00	4.25	0.125	3	Cft
		1	7.25	5.00	0.125	5	Cft
		1	10.00	5.00	0.125	6	Cft
	Lav.	1	14.00	8.00	0.125	14	Cft
	Lav.	1	7.00	14.00	0.125	12	Cft
		1	7.00	12.00	0.125	11	Cft
	Lav.	2	18.00	10.00	0.125	45	Cft
	Lav.	1	16.00	9.00	0.125	18	Cft
		1	18.00	9.00	0.125	20	Cft
						Cft	
					<b>Total</b>	<b>2083</b>	<b>Cft</b>

5 P/L Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)

Room No. 3 & 13	2	10.00	21.00		420	Sft
Room No. 4, 5 & 6	3	14.00	12.00		504	Sft
Dressing Area	3	7.25	6.00		131	Sft
Room No. 8	1	14.00	16.50		231	Sft
Room No. 9, 11 & 12	3	14.00	18.00		756	Sft
Room No. 10	1	14.00	10.00		140	Sft
Waiting Hall	1	15.00	21.00		315	Sft

Waiting Hall	1	16.00	16.00	256	Sft
Ver.	1	38.75	14.00	543	Sft
Ver.	1	85.50	7.00	599	Sft
	1	37.00	17.25	638	Sft
Room No. 16	1	14.00	15.00	210	Sft
	1	12.00	7.25	87	Sft
Room No. 17	1	9.00	10.00	90	Sft
Room No. 21	1	8.00	14.00	112	Sft
Room No. 22	1	12.00	14.00	168	Sft
Room No. 23	1	20.00	14.00	280	Sft
Room No. 24	1	12.00	14.00	168	Sft
	1	6.00	7.00	42	Sft
Room No. 25	1	6.25	6.25	39	Sft
Room No. 26	1	18.00	14.00	252	Sft
Room No. 29	1	10.00	12.00	120	Sft
	1	5.00	7.00	35	Sft
Room No. 30	1	6.00	10.50	63	Sft
Room No. 31 Cleaning Room	1	6.00	16.00	96	Sft
Room No. 39	1	8.00	7.25	58	Sft
	1	8.00	8.00	64	Sft
Room No. 49	1	8.00	18.00	144	Sft
Room No. 50	1	18.00	10.00	180	Sft
Room No. 51	1	12.00	14.00	168	Sft
Room No. 52 & 56	2	18.00	40.00	1440	Sft
Room No. 53	1	15.00	10.00	150	Sft
Room No. 54	1	6.00	10.00	60	Sft
Room No. 55	1	8.00	10.00	80	Sft
Room No. 57	1	7.00	9.00	63	Sft
Ver.	1	104.00	7.00	728	Sft
	1	6.00	7.00	42	Sft
	1	15.50	7.00	109	Sft
	1	42.00	20.00	840	Sft
	1	14.00	28.00	392	Sft
	1	44.00	30.00	1320	Sft
	1	15.00	21.00	315	Sft
	1	46.50	7.00	326	Sft
	1	15.00	21.00	315	Sft
	3	75.00	7.00	1575	Sft
	1	70.00	7.00	490	Sft
Door Cill	18	3.50	0.75	47	Sft
	8	4.00	0.75	24	Sft
	4	3.00	0.75	9	Sft
Opening	5	4.00	0.75	15	Sft
<b>Total</b>				<b>15247</b>	<b>Sft</b>

6 P/L Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)

Room No. 3 & 13	4	10.00	4.00	160	Sft
	4	21.00	4.00	336	Sft
Room No. 4, 5 & 6	6	14.00	4.00	336	Sft

	6	12.00	4.00	288	Sft
Dressing Area	6	7.25	4.00	174	Sft
	6	6.00	4.00	144	Sft
Room No. 8	2	14.00	4.00	112	Sft
	2	16.50	4.00	132	Sft
Room No. 9, 11 & 12	6	14.00	4.00	336	Sft
	6	18.00	4.00	432	Sft
Room No. 10	2	14.00	4.00	112	Sft
	2	10.00	4.00	80	Sft
Waiting Hall	2	15.00	4.00	120	Sft
	1	21.00	4.00	84	Sft
Waiting Hall	2	16.00	4.00	128	Sft
	1	16.00	4.00	64	Sft
Ver.	2	38.75	4.00	310	Sft
Ver.	2	85.50	4.00	684	Sft
	2	37.00	4.00	296	Sft
	2	17.25	4.00	138	Sft
Room No. 16	2	14.00	4.00	112	Sft
	2	15.00	4.00	120	Sft
	2	12.00	4.00	96	Sft
	2	7.25	4.00	58	Sft
Room No. 17	2	9.00	4.00	72	Sft
	2	10.00	4.00	80	Sft
Room No. 21	2	8.00	4.00	64	Sft
	2	14.00	4.00	112	Sft
Room No. 22	2	12.00	4.00	96	Sft
	2	14.00	4.00	112	Sft
Room No. 23	2	20.00	4.00	160	Sft
	2	14.00	4.00	112	Sft
Room No. 24	2	12.00	4.00	96	Sft
	2	14.00	4.00	112	Sft
	2	6.00	4.00	48	Sft
	2	7.00	4.00	56	Sft
Room No. 25	2	6.25	4.00	50	Sft
	2	6.25	4.00	50	Sft
Room No. 26	2	18.00	4.00	144	Sft
	2	14.00	4.00	112	Sft
Room No. 29	2	10.00	4.00	80	Sft
	2	12.00	4.00	96	Sft
	2	5.00	4.00	40	Sft
	2	7.00	4.00	56	Sft
Room No. 30	2	6.00	4.00	48	Sft
	2	10.50	4.00	84	Sft
Room No. 31 Cleaning Room	2	6.00	4.00	48	Sft
	2	16.00	4.00	128	Sft
Room No. 39	2	8.00	4.00	64	Sft
	2	7.25	4.00	58	Sft
	2	8.00	4.00	64	Sft
	2	8.00	4.00	64	Sft
Room No. 49	2	8.00	4.00	64	Sft
	2	18.00	4.00	144	Sft
Room No. 50	2	18.00	4.00	144	Sft

	2	10.00	4.00	80	Sft
Room No. 51	2	12.00	4.00	96	Sft
	2	14.00	4.00	112	Sft
Room No. 52 & 56	4	18.00	4.00	288	Sft
	4	40.00	4.00	640	Sft
Room No. 53	2	15.00	4.00	120	Sft
	2	10.00	4.00	80	Sft
Room No. 54	2	6.00	4.00	48	Sft
	2	10.00	4.00	80	Sft
Room No. 55	2	8.00	4.00	64	Sft
	2	10.00	4.00	80	Sft
Room No. 57	2	7.00	4.00	56	Sft
	2	9.00	4.00	72	Sft
Ver.	2	104.00	4.00	832	Sft
	2	6.00	4.00	48	Sft
	2	15.50	4.00	124	Sft
	2	42.00	4.00	336	Sft
	2	44.00	4.00	352	Sft
	2	21.00	4.00	168	Sft
	2	46.50	4.00	372	Sft
	2	15.00	4.00	120	Sft
	6	75.00	4.00	1800	Sft
	2	70.00	4.00	560	Sft
Door Side	60	0.75	4.00	180	Sft
Windows Side	126	1.00	1.50	189	Sft
	8	1.00	2.00	16	Sft
			<b>Total</b>	<b>14423</b>	<b>Sft</b>

### Deductions

D1	54	3.50	4.00	756	Sft
D2	22	3.00	4.00	264	Sft
D3	8	2.50	4.00	80	Sft
D4	14	4.00	4.00	224	Sft
D4A	8	4.50	4.00	144	Sft
D6	6	3.00	4.00	72	Sft
W	8	3.00	1.50	36	Sft
W	20	6.00	1.50	180	Sft
W	1	12.00	1.50	18	Sft
W	40	4.00	1.50	240	Sft
W	19	7.00	1.50	200	Sft
Ver. Opening	4	7.00	4.00	112	Sft
			<b>D/d Total</b>	<b>2326</b>	<b>Sft</b>
			<b>Net Total</b>	<b>12098</b>	<b>Sft</b>

7 P/L floor of approved coloured glazed tiles  $\frac{1}{4}$ " (6 mm) thick, laid in white cement and pigment on a bed of  $\frac{3}{4}$ " (20 mm) thick cement mortar 1:2. (For Floor)

Roof	Bath Room	2	5.00	7.00	70	Sft
		3	6.00	6.00	108	Sft
		1	6.00	6.25	38	Sft
		1	6.00	5.00	30	Sft
		2	6.00	6.00	72	Sft
		1	5.00	4.25	21	Sft



	1	7.25	5.00	36	Sft
	1	10.00	5.00	50	Sft
Lav.	1	14.00	8.00	112	Sft
Lav.	1	7.00	14.00	98	Sft
	1	7.00	12.00	84	Sft
Lav.	2	18.00	10.00	360	Sft
Lav.	1	16.00	9.00	144	Sft
	1	18.00	9.00	162	Sft
<b>Total</b>				<b>1385</b>	<b>Sft</b>

8 P/L Coloured glazed tile dado (6"x6"¼") (6mm) thick in pigment over 1:2 cement, sand mortar ¾"(20mm) thick, including finishing. **(For Dado)**

Walls	Bath Room	4	5.00	6.00	120	Sft
		4	7.00	6.00	168	Sft
		6	6.00	6.00	216	Sft
		6	6.00	6.00	216	Sft
		2	6.00	6.00	72	Sft
		2	6.25	6.00	75	Sft
		2	6.00	6.00	72	Sft
		2	5.00	6.00	60	Sft
		4	6.00	6.00	144	Sft
		4	6.00	6.00	144	Sft
		2	5.00	6.00	60	Sft
		2	4.25	6.00	51	Sft
		2	7.25	6.00	87	Sft
		2	5.00	6.00	60	Sft
		2	10.00	6.00	120	Sft
		2	5.00	6.00	60	Sft
	Lav.	2	14.00	6.00	168	Sft
	Lav.	2	8.00	6.00	96	Sft
		4	3.00	6.00	72	Sft
		4	5.00	6.00	120	Sft
	Lav.	2	7.00	6.00	84	Sft
	Lav.	2	14.00	6.00	168	Sft
		2	7.00	6.00	84	Sft
		2	12.00	6.00	144	Sft
		8	3.25	6.00	156	Sft
		8	5.00	6.00	240	Sft
	Lav.	4	18.00	6.00	432	Sft
	Lav.	4	10.00	6.00	240	Sft
		12	5.00	6.00	360	Sft
		12	3.00	6.00	216	Sft
		4	7.00	6.00	168	Sft
		4	6.00	6.00	144	Sft
	Lav.	2	16.00	6.00	192	Sft
		2	9.00	6.00	108	Sft
		2	18.00	6.00	216	Sft
		2	9.00	6.00	108	Sft
	Bath Room	8	5.00	6.00	240	Sft
		8	4.25	6.00	204	Sft
		8	6.00	6.00	288	Sft
		8	4.25	6.00	204	Sft

<b>Total</b>	<b>6177</b>	<b>Sft</b>
6.00	570	Sft
<b>D/d Total</b>	<b>570</b>	<b>Sft</b>
<b>Net Total</b>	<b>5607</b>	<b>Sft</b>

**Deductions**

D2 38 2.50

9 P/L Chequered Tile 115 x 268 x 10mm Light colour Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor).

Ramp	2	4.00	8.00	64	Sft
	2	7.00	7.00	98	Sft
<b>Total</b>				<b>162</b>	<b>Sft</b>

10 P/F of False Ceiling consisting of laminated Gymsum Board (one side laminated) of size 600mm x 600mm x 9-10mm over aluminum Tee's 1"x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc compete in all respect as approved by the Engineer Incharge.

Room No. 1 & 2	2	18.00	12.00	432	Sft
	2	10.00	5.00	100	Sft
Room No. 3 & 13	2	10.00	21.00	420	Sft
Room No. 4, 5 & 6	3	14.00	12.00	504	Sft
Dressing Area	3	7.25	6.00	131	Sft
Room No. 8	1	14.00	16.50	231	Sft
Room No. 9, 11 & 12	3	14.00	18.00	756	Sft
Room No. 10	1	14.00	10.00	140	Sft
Waiting Hall	1	15.00	21.00	315	Sft
Waiting Hall	1	16.00	16.00	256	Sft
Ver.	1	38.75	14.00	543	Sft
Ver.	1	85.50	7.00	599	Sft
	1	37.00	17.25	638	Sft
Room No. 16	1	14.00	15.00	210	Sft
	1	12.00	7.25	87	Sft
Room No. 17	1	9.00	10.00	90	Sft
Room No. 21	1	8.00	14.00	112	Sft
Room No. 22	1	12.00	14.00	168	Sft
Room No. 23	1	20.00	14.00	280	Sft
Room No. 24	1	12.00	14.00	168	Sft
	1	6.00	7.00	42	Sft
Room No. 25	1	6.25	6.25	39	Sft
Room No. 29	1	10.00	12.00	120	Sft
	1	5.00	7.00	35	Sft
Room No. 30	1	6.00	10.50	63	Sft
Room No. 31 Cleaning Room	1	6.00	16.00	96	Sft
Room No. 33	1	12.00	12.00	144	Sft
Room No. 35	1	26.00	12.00	312	Sft
Room No. 43	1	18.00	10.00	180	Sft
Room No. 44	1	18.00	12.00	216	Sft
Room No. 45 & 48	2	18.00	36.00	1296	Sft
Room No. 51	1	12.00	14.00	168	Sft
Room No. 52 & 56	2	18.00	40.00	1440	Sft

Room No. 53	1	15.00	10.00	150	Sft
Room No. 54	1	6.00	10.00	60	Sft
Room No. 55	1	8.00	10.00	80	Sft
Room No. 57	1	7.00	9.00	63	Sft
Ver.	1	105.00	7.00	735	Sft
	1	6.00	7.00	42	Sft
	1	15.50	7.00	109	Sft
	1	42.00	20.00	840	Sft
	1	14.00	28.00	392	Sft
	1	44.00	30.00	1320	Sft
	1	15.00	21.00	315	Sft
	1	46.50	7.00	326	Sft
	1	15.00	7.00	105	Sft
	3	75.00	7.00	1575	Sft
	1	70.00	7.00	490	Sft
	1	96.00	7.00	672	Sft
	1	18.00	7.00	126	Sft

<b>Total</b>	<b>17729</b>	<b>Sft</b>
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**11** P/F plastic wall Panelling china Made 10" wide 9'-6" height of 10" wide Strip of approved colour and design by engineer incharge.

Room No. 1 & 2	4	18.00	8.00	576	Sft
	4	12.00	8.00	384	Sft
	4	10.00	8.00	320	Sft
	4	5.00	8.00	160	Sft
Room No. 3 & 13	4	10.00	8.00	320	Sft
	4	21.00	8.00	672	Sft
Room No. 4, 5 & 6	6	14.00	8.00	672	Sft
	6	12.00	8.00	576	Sft
Dressing Area	6	7.25	8.00	348	Sft
	6	6.00	8.00	288	Sft
Room No. 8	2	14.00	8.00	224	Sft
	2	16.50	8.00	264	Sft
Room No. 9, 11 & 12	6	14.00	8.00	672	Sft
	6	18.00	8.00	864	Sft
Room No. 10	2	14.00	8.00	224	Sft
	2	10.00	8.00	160	Sft
Waiting Hall	2	15.00	8.00	240	Sft
	1	21.00	8.00	168	Sft
Waiting Hall	2	16.00	8.00	256	Sft
	1	16.00	8.00	128	Sft
Ver.	2	38.75	8.00	620	Sft
Ver.	2	85.50	8.00	1368	Sft
	2	37.00	8.00	592	Sft
	2	17.25	8.00	276	Sft
Room No. 16	2	14.00	8.00	224	Sft
	2	15.00	8.00	240	Sft
	2	12.00	8.00	192	Sft
	2	7.25	8.00	116	Sft
Room No. 17	2	9.00	8.00	144	Sft
	2	10.00	8.00	160	Sft

Room No. 21	2	8.00	8.00	128	Sft
	2	14.00	8.00	224	Sft
Room No. 22	2	12.00	8.00	192	Sft
	2	14.00	8.00	224	Sft
Room No. 23	2	20.00	8.00	320	Sft
	2	14.00	8.00	224	Sft
Room No. 24	2	12.00	8.00	192	Sft
	2	14.00	8.00	224	Sft
	2	6.00	8.00	96	Sft
	2	7.00	8.00	112	Sft
Room No. 25	2	6.25	8.00	100	Sft
	2	6.25	8.00	100	Sft
Room No. 26	2	18.00	8.00	288	Sft
	2	14.00	8.00	224	Sft
Room No. 29	2	10.00	8.00	160	Sft
	2	12.00	8.00	192	Sft
	2	5.00	8.00	80	Sft
	2	7.00	8.00	112	Sft
Room No. 30	2	6.00	8.00	96	Sft
	2	10.50	8.00	168	Sft
Room No. 31 Cleaning Room	2	6.00	8.00	96	Sft
	2	16.00	8.00	256	Sft
Room No. 33	2	12.00	8.00	192	Sft
	2	12.00	8.00	192	Sft
Room No. 35	2	26.00	8.00	416	Sft
	2	12.00	8.00	192	Sft
Room No. 38	2	19.00	8.00	304	Sft
	2	16.00	8.00	256	Sft
Room No. 43	2	18.00	8.00	288	Sft
	2	10.00	8.00	160	Sft
Room No. 44	2	18.00	8.00	288	Sft
	2	12.00	8.00	192	Sft
Room No. 45 & 48	4	18.00	8.00	576	Sft
	4	36.00	8.00	1152	Sft
Room No. 51	2	12.00	8.00	192	Sft
	2	14.00	8.00	224	Sft
Room No. 52 & 56	4	18.00	8.00	576	Sft
	4	40.00	8.00	1280	Sft
Room No. 53	2	15.00	8.00	240	Sft
	2	10.00	8.00	160	Sft
Room No. 54	2	6.00	8.00	96	Sft
	2	10.00	8.00	160	Sft
Room No. 55	2	8.00	8.00	128	Sft
	2	10.00	8.00	160	Sft
Room No. 57	2	7.00	8.00	112	Sft
	2	9.00	8.00	144	Sft
Ver.	2	105.00	8.00	1680	Sft
	2	6.00	8.00	96	Sft
	2	15.50	8.00	248	Sft
	2	42.00	8.00	672	Sft
	2	44.00	8.00	704	Sft
	2	21.00	8.00	336	Sft

2	46.50	8.00	744	Sft
2	15.00	8.00	240	Sft
6	75.00	8.00	3600	Sft
2	70.00	8.00	1120	Sft
2	96.00	8.00	1536	Sft
2	7.00	8.00	112	Sft
		<b>Total</b>	<b>32584</b>	<b>Sft</b>

**Deductions**

D1	48	3.50	4.50	756	Sft
D2	18	3.00	4.50	243	Sft
D3	8	2.50	4.50	90	Sft
D4	12	4.00	4.50	216	Sft
D4A	8	4.50	4.50	162	Sft
D6	6	3.00	4.50	81	Sft
W	8	3.00	4.50	108	Sft
W	20	6.00	4.50	540	Sft
W	1	12.00	4.50	54	Sft
W	40	4.00	4.50	720	Sft
W	19	7.00	4.50	599	Sft
Ver. Opening	4	7.00	4.50	126	Sft
CW1	8	6.00	1.50	72	Sft
CW2	4	4.00	1.50	24	Sft
CW3	18	3.00	1.50	81	Sft
		<b>D/d Total</b>	<b>3872</b>	<b>Sft</b>	
		<b>Net Total</b>	<b>28713</b>	<b>Sft</b>	

**12** P/F of imported anti static floor sheet poly floor coloured chemical resistant ESD, silver/grey 2mm thick UK i/c gridding /preparation of floor surface by laying epoxy damp proof i/c all labour caping strip carriage as approved and directed by the Engineer Incharged (For Floor)

G.O.T	1	16.00	16.00	256	Sft
Eye O.T	1	12.00	16.00	192	Sft
		<b>Total</b>	<b>448</b>	<b>Sft</b>	

**13** P/L BioClad Antimicrobial Wall Pannel UK with local G.I and gypsum frame as approved by engineer incharge.

G.O.T	2	16.00	10.00	320	Sft
	2	16.00	10.00	320	Sft
Eye O.T	2	12.00	10.00	240	Sft
	2	16.00	10.00	320	Sft
		<b>Total</b>	<b>1200</b>	<b>Sft</b>	

**Deductions**

D4A	2	4.75	8.50	81	Sft
D2	2	3.00	7.00	42	Sft
D3	1	2.50	7.00	18	Sft
W	1	6.00	6.00	36	Sft
CW	1	12.00	2.00	24	Sft
		<b>D/d Total</b>	<b>200</b>	<b>Sft</b>	
		<b>Net Total</b>	<b>1000</b>	<b>Sft</b>	

**14** P/F BioClad Antimicrobial Ceiling UK Powder coated as approved by engineer incharge

G.O.T	1	16.00	16.00	256	Sft
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Eye O.T	1	12.00	16.00	192	Sft
<b>Total</b>				<b>448</b>	<b>Sft</b>

15 P/L Single layer of tiles 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand (1:3) on top of RCC roof slab, provided with 34 lbs. per % Sft. bitumen coating and polythen sheet 500 gauge.

1	140.75	37.25	5243	Sft	
1	14.00	20.00	280	Sft	
1	44.00	58.50	2574	Sft	
1	75.25	22.50	1693	Sft	
1	75.25	45.00	3386	Sft	
1	26.50	55.00	1458	Sft	
1	46.00	96.25	4428	Sft	
1	26.50	130.00	3445	Sft	
1	15.50	21.00	326	Sft	
1	18.25	22.25	406	Sft	
<b>Total</b>				<b>23238</b>	<b>Sft</b>

**Deductions**

Khuras	42	2.00	2.00	168	Sft
<b>D/d Total</b>				<b>168</b>	<b>Sft</b>
<b>Net Total</b>				<b>23070</b>	<b>Sft</b>

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

1	140.75	37.25	5243	Sft	
1	14.00	20.00	280	Sft	
1	44.00	58.50	2574	Sft	
1	75.25	22.50	1693	Sft	
1	75.25	45.00	3386	Sft	
1	26.50	55.00	1458	Sft	
1	46.00	96.25	4428	Sft	
1	26.50	130.00	3445	Sft	
1	15.50	21.00	326	Sft	
1	18.25	22.25	406	Sft	
<b>Total</b>				<b>23238</b>	<b>Sft</b>

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

42	42	No.
<b>Total</b>		<b>42</b>
		<b>Each</b>

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

W	9	6.00	6.00	324	Sft
W	38	4.00	6.00	912	Sft
W	14	3.00	6.00	252	Sft
W	17	7.00	5.50	655	Sft

W	2	4.00	3.00	24	Sft
CW	5	6.00	1.50	45	Sft
CW	1	5.00	1.50	8	Sft
CW	4	4.00	1.50	24	Sft
CW	15	3.00	1.50	68	Sft
<b>Total</b>			<b>2312</b>	<b>Sft</b>	

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

W	9	6.00	6.00	324	Sft
W	38	4.00	6.00	912	Sft
W	14	3.00	6.00	252	Sft
W	17	7.00	5.50	655	Sft
W	2	4.00	3.00	24	Sft
CW	5	6.00	1.50	45	Sft
CW	1	5.00	1.50	8	Sft
CW	4	4.00	1.50	24	Sft
CW	15	3.00	1.50	68	Sft
<b>Total</b>			<b>2312</b>	<b>Sft</b>	

- 20 P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

D	4	4.50	8.50	153	Sft
D	6	4.00	8.50	204	Sft
D	20	3.50	8.50	595	Sft
D	7	3.00	8.50	179	Sft
D	3	3.00	7.00	63	Sft
<b>Total</b>			<b>1194</b>	<b>Sft</b>	

- 21 P/F M.S grill consisting of 1" x 1" , 16-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 i/c 12-no ornamental wrought iron ess shape pieces in each window, 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.

W	9	6.00	6.00	324	Sft
W	38	4.00	6.00	912	Sft
W	14	3.00	6.00	252	Sft
W	17	7.00	5.50	655	Sft
W	2	4.00	3.00	24	Sft
CW	5	6.00	1.50	45	Sft
CW	1	5.00	1.50	8	Sft
CW	4	4.00	1.50	24	Sft
CW	15	3.00	1.50	68	Sft

<b>Total</b>	<b>2312</b>	<b>Sft</b>
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**22** Pre-polished China Verona Marble Slab for steps 3/4" thick of required size and design not less than 4 sft of supreme quality laid in white cement and matching pigment over a bed of 3/4" thick c/s mortar 1:2 i/c making gola on exposed edges, complete in all respect as approved by the Engineer Incharge.

W	9	6.00	1.50	81	Sft
W	38	4.00	1.50	228	Sft
W	14	3.00	1.50	63	Sft
W	17	7.00	1.50	179	Sft
W	2	4.00	1.50	12	Sft
CW	5	6.00	1.50	45	Sft
CW	1	5.00	1.50	8	Sft
CW	4	4.00	1.50	24	Sft
CW	15	3.00	1.50	68	Sft

<b>Total</b>	<b>708</b>	<b>Sft</b>
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**23** P/F curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x3/4" 100mmx20mm) deodar wood strip, including painting.

W	16	8.00		128	Rft
W	48	6.00		288	Rft
W	14	5.00		70	Rft
W	8	5.00		40	Rft
DW	8	10.00		80	Rft
D	18	6.00		108	Rft
D	22	5.50		121	Rft

<b>Total</b>	<b>835</b>	<b>Rft</b>
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**24** P/F stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical PIPE POST, of 2" fixed on steps with holding down rawel bolts

	4	8.00		32	Rft
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<b>Total</b>	<b>32</b>	<b>Rft</b>
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**25** P/F collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

	2	10.00	9.00	180	Sft
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<b>Total</b>	<b>180</b>	<b>Sft</b>
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**26** P/A weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: 1-Coat work on old surface.

Main Building	2	97.00	15.25	2959	Sft
	1	47.60	15.25	726	Sft
	2	130.00	15.25	3965	Sft
	2	27.625	15.25	843	Sft

<b>Total</b>	<b>8492</b>	<b>Sft</b>
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**Deductions**

W	9	6.00	6.00	324	Sft
W	42	4.00	6.00	1008	Sft
W	14	3.00	6.00	252	Sft
W	5	7.00	5.75	201	Sft
W	2	4.00	5.75	46	Sft
W	1	12.00	6.00	72	Sft
<b>D/d Total</b>				<b>1903</b>	<b>Sft</b>
<b>Net Total</b>				<b>6589</b>	<b>Sft</b>

**27** Removing cement or lime plaster.

	22	10.00	6.00	1320	Sft
	28	9.00	4.00	1008	Sft
	32	8.00	5.00	1280	Sft
<b>Total</b>				<b>3608</b>	<b>Sft</b>

**28** 1/2" thick Cement Sand Plaster (1:4) upto 20' height Applying floating coat of cement 1/32" (0.8 mm) thick.

	48	12.00	5.00	2880	Sft
	22	10.00	6.00	1320	Sft
	28	9.00	4.00	1008	Sft
<b>Total</b>				<b>5208</b>	<b>Sft</b>

  
 Sub Divisional Officer  
 Building Sub Division  
 Pattoki

## ABSTRACT OF COST Perveen Memorial & Emergency Block

2nd. Quarter 2021

Sr. No.	Description of Item	Qty	Unit		Rate	Amount
1	Petty repair to main rooms.	1	1	Each	802.20	802
2	Petty repair to small rooms.	17	1	Each	401.05	6818
3	Preparing surface and painting with emulsion paint 2-coat	5041	100	Sft	1536.65	77467
4	P/L Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4 <del>Granite Floor Tile (Master) DWV pre-polished (Dark color)</del>	403	100	Cft	<del>25014.00</del> 30810.78	100806
5	P/L <del>Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished</del> SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)	2286	1	Sft	285.00	651368
6	P/L <del>Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished</del> SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)	2026	1	Sft	300.00	607800
7	P/L floor of approved coloured glazed tiles ¼ "(6 mm) thick, laid in white cement and pigment on a bed of ¾" (20 mm) thick cement mortar 1:2. (For Floor)	506	100	Sft	17721.85	89601
8	P/L Coloured glazed tile dado (6"x6"¼") (6mm) thick in pigment over 1:2 cement, sand mortar ¾"(20mm) thick, including finishing. (For Dado)	1645	100	Sft	19287.70	317186
9	P/L Chequered Tile 115 x 268 x 10mm Light colour Laid Over A Bed Of ¾" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor).	48	1	Sft	180.00	8640
10	P/F of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600mm x 9-10mm over aluminum Tee's 1"x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc compete in all respect as approved by the Engineer Incharge.	6226	1	Sft	<del>90.00</del> 100	560318
11	P/F plastic wall Panelling china Made 10" wide 9'-6" height of 10" wide Strip of approved colour and design by engineer incharge.	9183	1	Sft	200.00	1836650
12	P/F of imported anti static floor sheet poly floor colore chemical resistant ESD, silver/grey 2mm thick UK i/c griding /preparation of floor surface by laying epoxy damp proof i/c all labour caping strip carriage as approved and directed by the Engineer Incharged (For Floor)	301	1	Sft	950.00	285950
13	P/L BioClad Antimicrobial Wall Pannel UK with local G.I and gypsum frame as approved by enginer incharge.	656	1	Sft	2000.00	1312000
14	P/F BioClad Antimicrobial Ceiling UK Powder coated as approved by enginer incharge	301	1	Sft	2000.00	602000
15	P/L Single layer of tiles 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand (1:3) on top of RCC roof slab, provided with 34 lbs. per % Sft. bitumen coating and polythen sheet 500 gauge.	4913	100	Sft	8663.05	425610
16	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorption (1% by volume, cell structure clored cell) i/c cutting and placing in position. complete in all respect.	4945	100	Sft	5787.00	286164

17	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	8	1	Each	603.60	4829
18	P/F all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 20 mm (4"x¾") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 2 mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	646	1	Sft	538.5	347871
19	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of size 1- 1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	646	1	Sft	330.05	213212
19	P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	717	1	Sft	586.45	420191
20	P/F M.S grill consisting of 1" x 1" , 16-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 i/c 12-no ornamental wrought iron ess shape pieces in each window, 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	646	1	Sft	400.00	258400
21	Pre-polished China Verona <sup>Random</sup> Marble Slab for steps ¾" thick of required size and design not less then 4 sft of supreme quality laid in white cement and matching pigment over a bed of ¾" thick c/s mortar 1:2 i/c making gola on exposed edges, complete in all respect as approved by the Engineer Incharge.	238	1	Sft	<del>588.00</del> 387	139944
22	P/F curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x¾" 100mmx20mm) deodar wood strip, including painting.	393	1	Rft	172.20	67675
23	P/F stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical PIPE POST , of 2" fixed on steps with holding down rawel bolts	16	1	Rft	2000.00	32000
24	P/F collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	90	1	Sft	1081.30	97317
25	P/A weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: 1-Coat work on old surface.	1761	100	Sft	1034.00	18207
					<b>Total Rs:</b>	<b>8,768,826</b>

  
 Sub Divisional Officer  
 Building Sub Division  
 Pattoki

  
 Executive Engineer  
 Buildings Division  
 Kasur

## DETAIL QUANTITY OF Perveen Memorial & Emergency Block

2nd. Quarter 2021

1 Petty repair to main rooms.

1

	1	No.
<b>Total</b>	<b>1</b>	<b>Each</b>

2 Petty repair to small rooms.

17

	17	No.
<b>Total</b>	<b>17</b>	<b>Each</b>

3 Preparing surface and painting with emulsion paint 2-coat

Lav.	1	6.50	7.50	49	Sft
W.R	2	6.00	3.00	36	Sft
W.R	1	6.75	7.625	51	Sft
W.R	1	4.75	6.50	31	Sft
W.R	1	3.50	6.50	23	Sft
W.R	1	7.00	6.625	46	Sft
W.R	1	5.50	6.00	33	Sft
W.R	3	8.25	4.00	99	Sft
W.R	1	4.00	7.00	28	Sft
W.R	2	6.00	3.25	39	Sft
W.R	1	6.50	6.50	42	Sft
Store	1	6.50	7.125	46	Sft
Store	1	7.00	6.00	42	Sft
Main Medicine Store	1	32.00	25.00	800	Sft
W.R	2	5.00	4.00	40	Sft
Lav.	2	6.50	6.00	78	Sft
	2	7.50	6.00	90	Sft
W.R	4	6.00	6.00	144	Sft
	4	3.00	6.00	72	Sft
	2	6.75	6.00	81	Sft
	2	7.625	6.00	92	Sft
	2	4.75	6.00	57	Sft
	2	6.50	6.00	78	Sft
	2	3.50	6.00	42	Sft
	2	6.50	6.00	78	Sft
	2	7.00	6.00	84	Sft
	2	6.625	6.00	80	Sft
	2	5.50	6.00	66	Sft
	2	6.00	6.00	72	Sft
	6	8.25	6.00	297	Sft
	6	4.00	6.00	144	Sft
	2	4.00	6.00	48	Sft
	2	7.00	6.00	84	Sft
	4	6.00	6.00	144	Sft
	4	3.25	6.00	78	Sft
	2	6.50	6.00	78	Sft
	2	6.50	6.00	78	Sft
	2	6.50	6.00	78	Sft
	2	7.125	6.00	86	Sft
Store	2	7.00	8.00	112	Sft
	2	6.00	8.00	96	Sft
Main Medicine Store	2	32.00	8.00	512	Sft

	2	25.00		8.00	400	Sft
W.R	4	5.00		8.00	160	Sft
	4	4.00		8.00	128	Sft
				<b>Total</b>	<b>5041</b>	<b>Sft</b>

4 P/L Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4

Room No. 58	1	14.00	21.50	0.125	38	Cft
Room No. 59,61,63,65 & 68	5	14.00	14.00	0.125	123	Cft
	1	6.75	6.00	0.125	5	Cft
	3	5.00	4.00	0.125	8	Cft
Room No. 60	1	12.00	14.00	0.125	21	Cft
Room No. 67 & 69	2	14.00	9.00	0.125	32	Cft
Room No. 70	1	14.00	20.50	0.125	36	Cft
G.O.T	1	12.50	12.25	0.125	19	Cft
G.O.T	1	14.00	7.00	0.125	12	Cft
G.O.T	1	7.00	6.625	0.125	6	Cft
Dr. Room	1	10.00	16.50	0.125	21	Cft
Dr. Room	1	10.00	14.00	0.125	18	Cft

Lav.	1	6.50	7.50	0.125	6	Cft
W.R	2	6.00	3.00	0.125	5	Cft
W.R	1	6.75	7.625	0.125	6	Cft
W.R	1	4.75	6.50	0.125	4	Cft
W.R	1	3.50	6.50	0.125	3	Cft
W.R	1	7.00	6.625	0.125	6	Cft
W.R	1	5.50	6.00	0.125	4	Cft
W.R	3	8.25	4.00	0.125	12	Cft
W.R	1	4.00	7.00	0.125	4	Cft
W.R	2	6.00	3.25	0.125	5	Cft
	1	6.50	6.50	0.125	5	Cft
Cill D5	15	2.50	0.75	0.125	4	Cft

<b>Total</b>	<b>403</b>	<b>Cft</b>
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5 P/L Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)

Room No. 58	1	14.00	21.50		301	Sft
Room No. 59,61,63,65 & 66	5	14.00	14.00		980	Sft
Room No. 60	1	12.00	14.00		168	Sft
Room No. 67 & 69	2	14.00	9.00		252	Sft
Room No. 70	1	14.00	20.50		287	Sft
G.O.T	1	12.50	12.25		153	Sft
G.O.T	1	14.00	7.00		98	Sft
G.O.T	1	7.00	6.625		46	Sft
				<b>Total</b>	<b>2286</b>	<b>Sft</b>

P/L Prepolished Porcelain Tile "Master Or Eq" With Granite Effect (GEM) Dark Polished SB Class , 24"X24" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, 6 I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)

Room No. 58	2	14.00	4.00	112	Sft
	2	21.50	4.00	172	Sft
Room No. 59,61,63,65 & 66	10	14.00	4.00	560	Sft
	10	14.00	4.00	560	Sft
Room No. 60	2	12.00	4.00	96	Sft
	2	14.00	4.00	112	Sft
Room No. 67 & 69	4	14.00	4.00	224	Sft
	4	9.00	4.00	144	Sft
Room No. 70	2	14.00	4.00	112	Sft
	2	20.50	4.00	164	Sft
G.O.T	2	12.50	4.00	100	Sft
	2	12.25	4.00	98	Sft
G.O.T	2	14.00	4.00	112	Sft
	2	7.00	4.00	56	Sft
G.O.T	2	7.00	4.00	56	Sft
	2	6.625	4.00	53	Sft
<b>Total</b>				<b>2731</b>	<b>Sft</b>
<b>Deductions</b>					
W1	11	6.00	2.00	132	Sft
W2	1	2.00	2.00	4	Sft
W3	1	3.00	3.00	9	Sft
W4	2	6.00	1.00	12	Sft
W5	2	4.00	2.00	16	Sft
D	1	10.00	4.00	40	Sft
D1	1	4.00	4.00	16	Sft
D2	7	4.00	4.00	112	Sft
D3	12	3.50	4.00	168	Sft
D4	1	3.00	4.00	12	Sft
D5	12	2.50	4.00	120	Sft
Dress Opening	4	4.00	4.00	64	Sft
<b>D/d Total</b>				<b>705</b>	<b>Sft</b>
<b>Net Total</b>				<b>2026</b>	<b>Sft</b>

P/L floor of approved coloured glazed tiles 1/4 "(6 mm) thick, laid in white cement and pigment on a bed of 3/4" (20 mm) thick cement mortar 1:2. (For Floor)

Lav.	1	6.50	7.50	49	Sft
W.R	2	6.00	3.00	36	Sft
W.R	1	6.75	7.625	51	Sft
W.R	1	4.75	6.50	31	Sft
W.R	1	3.50	6.50	23	Sft
W.R	1	7.00	6.625	46	Sft
W.R	1	5.50	6.00	33	Sft
W.R	3	8.25	4.00	99	Sft
W.R	1	4.00	7.00	28	Sft
W.R	2	6.00	3.25	39	Sft
	1	6.50	6.50	42	Sft
Cill D5	15	2.50	0.75	28	Sft
<b>Total</b>				<b>506</b>	<b>Sft</b>

- 8 P/L Coloured glazed tile dado (6"x6"¼") (6mm) thick in pigment over 1:2 cement, sand mortar ¾"(20mm) thick, including finishing. (For Dado)

Lav.	2	6.50	5.00	65	Sft
	2	7.50	5.00	75	Sft
W.R	4	6.00	5.00	120	Sft
	4	3.00	5.00	60	Sft
W.R	2	6.75	5.00	68	Sft
	2	7.625	5.00	76	Sft
W.R	2	4.75	5.00	48	Sft
	2	6.50	5.00	65	Sft
W.R	2	3.50	5.00	35	Sft
	2	6.50	5.00	65	Sft
W.R	2	7.00	5.00	70	Sft
	2	6.625	5.00	66	Sft
W.R	2	5.50	5.00	55	Sft
	2	6.00	5.00	60	Sft
W.R	6	8.25	5.00	248	Sft
	6	4.00	5.00	120	Sft
W.R	2	4.00	5.00	40	Sft
	2	7.00	5.00	70	Sft
W.R	4	6.00	5.00	120	Sft
	4	3.25	5.00	65	Sft
W.R	2	6.50	5.00	65	Sft
	2	6.50	5.00	65	Sft
Side D2	30	0.75	5.00	113	Sft
<b>Total</b>				<b>1833</b>	<b>Sft</b>

**Deductions**

D5	15	2.50	5.00	188	Sft
<b>D/d Total</b>				<b>188</b>	<b>Sft</b>
<b>Net Total</b>				<b>1645</b>	<b>Sft</b>

- 9 P/L Chequered Tile 115 x 268 x 10mm Light colour Laid Over A Bed Of ¾" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor).

Ramp	2	4.00	6.00	48	Sft
<b>Total</b>				<b>48</b>	<b>Sft</b>

- 10 P/F of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600mm x 9-10mm over aluminum Tee's 1"x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc compete in all respect as approved by the Engineer Incharge.

Room No. 58	1	14.00	21.50	301	Sft
Room No. 59,61,63,65 & 66	5	14.00	14.00	980	Sft
	1	6.75	6.00	41	Sft
	3	5.00	4.00	60	Sft
Room No. 60	1	12.00	14.00	168	Sft
Room No. 67 & 69	2	14.00	9.00	252	Sft
Room No. 70	1	14.00	20.50	287	Sft
G.O.T	1	12.50	12.25	153	Sft
G.O.T	1	14.00	7.00	98	Sft
G.O.T	1	7.00	6.625	46	Sft

Ver.	1	50.25	7.00	352	Sft
	1	16.25	3.50	57	Sft
	1	8.50	3.50	30	Sft
	1	15.00	12.00	180	Sft
	1	45.25	7.00	317	Sft
	1	15.50	14.00	217	Sft
	1	9.00	7.50	68	Sft
M. Ward	1	19.25	42.00	809	Sft
F.M Ward	1	20.00	40.00	800	Sft
X.Ray Room	1	17.25	16.50	285	Sft
D.Room	1	7.00	7.00	49	Sft
Dr. Room	1	10.00	16.50	165	Sft
Dr. Room	1	10.00	14.00	140	Sft
Medicine Store	1	10.00	17.50	175	
Waiting Area	1	12.00	16.50	198	Sft
<b>Total</b>				<b>6226</b>	<b>Sft</b>

11 P/F plastic wall Panelling china Made 10" wide 9'-6" height of 10" wide Strip of approved colour and design by engineer incharge.

Room No. 58	2	14.00	7.00	196	Sft
	2	21.50	7.00	301	Sft
Room No. 59,61,63,65 & 66	10	14.00	7.00	980	Sft
	10	14.00	7.00	980	Sft
	2	6.75	7.00	95	Sft
	2	6.00	7.00	84	Sft
	6	5.00	7.00	210	Sft
	6	4.00	7.00	168	Sft
Room No. 60	2	12.00	7.00	168	Sft
	2	14.00	7.00	196	Sft
Room No. 67 & 69	4	14.00	7.00	392	Sft
	4	9.00	7.00	252	Sft
Room No. 70	2	14.00	7.00	196	Sft
	2	20.50	7.00	287	Sft
G.O.T	2	12.50	7.00	175	Sft
	2	12.25	7.00	172	Sft
G.O.T	2	14.00	7.00	196	Sft
	2	7.00	7.00	98	Sft
G.O.T	2	7.00	7.00	98	Sft
	2	6.625	7.00	93	Sft
Ver.	2	50.25	7.00	704	Sft
	2	7.00	7.00	98	Sft
	4	3.50	7.00	98	Sft
	2	45.25	7.00	634	Sft
	2	7.00	7.00	98	Sft
	2	15.50	7.00	217	Sft
	2	9.00	7.00	126	Sft
	1	7.50	7.00	53	Sft
M. Ward	2	19.25	5.00	193	Sft
	2	42.00	5.00	420	Sft
F.M Ward	2	20.00	5.00	200	Sft
	2	40.00	5.00	400	Sft
X.Ray Room	2	17.25	5.00	173	Sft
	2	16.50	5.00	165	Sft
D.Room	2	7.00	5.00	70	Sft
	2	7.00	5.00	70	Sft



Dr. Room	2	10.00	5.00	100	Sft
	2	16.50	5.00	165	Sft
Dr. Room	2	10.00	5.00	100	Sft
	2	14.00	5.00	140	Sft
Medicine Store	2	10.00	5.00	100	Sft
	2	17.50	5.00	175	Sft
Waiting Area	2	12.00	5.00	120	Sft
	2	16.50	5.00	165	Sft
			<b>Total</b>	<b>10117</b>	<b>Sft</b>

#### Deductions

W1	11	6.00	4.50	297	Sft
W2	1	2.00	4.50	9	Sft
W5	2	4.00	4.50	36	Sft
CW2	1	3.00	2.00	6	Sft
CW3	3	6.00	2.00	36	Sft
D	1	10.00	5.00	50	Sft
D1	1	4.00	4.50	18	Sft
D2	5	4.00	3.00	60	Sft
D3	12	3.50	3.00	126	Sft
D4	1	3.00	3.00	9	Sft
D5	12	2.50	3.00	90	Sft
Dress Opening	4	4.00	3.00	48	Sft
W1	5	5.00	2.00	50	Sft
D	1	8.00	3.50	28	Sft
D1	2	5.00	2.00	20	Sft
D2	5	4.00	2.00	40	Sft
D3	1	3.00	2.00	6	Sft
D4	1	2.50	2.00	5	Sft
			<b>D/d Total</b>	<b>934</b>	<b>Sft</b>
			<b>Net Total</b>	<b>9183</b>	<b>Sft</b>

- 12 P/F of imported anti static floor sheet poly floor coloured chemical resistant ESD, silver/grey 2mm thick UK i/c grinding /preparation of floor surface by laying epoxy damp proof i/c all labour caping strip carriage as approved and directed by the Engineer Incharge **(For Floor)**

G.O.T	1	14.00	21.50	301	Sft
			<b>Total</b>	<b>301</b>	<b>Sft</b>

- 13 P/L BioClad Antimicrobial Wall Panel UK with local G.I and gypsum frame as approved by engineer incharge.

G.O.T	2	14.00	11.00	308	Sft
	2	21.50	11.00	473	Sft
			<b>Total</b>	<b>781</b>	<b>Sft</b>

#### Deductions

D2	1	4.00	7.00	28	Sft
D3	2	3.50	7.00	49	Sft
W4	2	6.00	4.00	48	Sft
			<b>D/d Total</b>	<b>125</b>	<b>Sft</b>
			<b>Net Total</b>	<b>656</b>	<b>Sft</b>

- 14 P/F BioClad Antimicrobial Ceiling UK Powder coated as approved by engineer incharge

G.O.T	1	14.00	21.50	301	Sft
			<b>Total</b>	<b>301</b>	<b>Sft</b>

- 15 P/L Single layer of tiles 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand (1:3) on top of RCC roof slab, provided with 34 lbs. per % Sft. bitumen coating and polythen sheet 500 gauge.

1	89.25	37.25	3325	Sft
1	43.50	37.25	1620	Sft
<b>Total</b>			<b>4945</b>	<b>Sft</b>

**Deductions**

Khuras	8	2.00	2.00	32	Sft
<b>D/d Total</b>			<b>32</b>	<b>Sft</b>	
<b>Net Total</b>			<b>4913</b>	<b>Sft</b>	

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

1	89.25	37.25	3325	Sft
1	43.50	37.25	1620	Sft
<b>Total</b>			<b>4945</b>	<b>Sft</b>

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

8			8	No.
<b>Total</b>			<b>8</b>	<b>Each</b>

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

W1	11	6.00	6.50	429	Sft
W2	1	2.00	8.00	16	Sft
W3	1	3.00	5.50	17	Sft
W4	2	6.00	4.00	48	Sft
W5	2	4.00	6.50	52	Sft
CW1	8	1.50	2.00	24	Sft
CW2	4	3.00	2.00	24	Sft
CW3	3	6.00	2.00	36	Sft
<b>Total</b>			<b>646</b>	<b>Sft</b>	

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

W1	11	6.00	6.50	429	Sft
W2	1	2.00	8.00	16	Sft
W3	1	3.00	5.50	17	Sft
W4	2	6.00	4.00	48	Sft
W5	2	4.00	6.50	52	Sft
CW1	8	1.50	2.00	24	Sft
CW2	4	3.00	2.00	24	Sft
CW3	3	6.00	2.00	36	Sft
<b>Total</b>			<b>646</b>	<b>Sft</b>	

20 P/F all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.

D1	1	4.00	8.50	34	Sft
D2	4	4.00	7.00	112	Sft
D3	13	3.50	7.00	319	Sft
D4	1	3.00	7.00	21	Sft
D1	2	5.00	7.00	70	Sft
D2	5	4.00	7.00	140	Sft
D3	1	3.00	7.00	21	Sft
<b>Total</b>			<b>717</b>	<b>Sft</b>	

21 P/F M.S grill consisting of 1" x 1" , 16-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 i/c 12-no ornamental wrought iron ess shape pieces in each window, 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.

W1	11	6.00	6.50	429	Sft
W2	1	2.00	8.00	16	Sft
W3	1	3.00	5.50	17	Sft
W4	2	6.00	4.00	48	Sft
W5	2	4.00	6.50	52	Sft
CW1	8	1.50	2.00	24	Sft
CW2	4	3.00	2.00	24	Sft
CW3	3	6.00	2.00	36	Sft
<b>Total</b>			<b>646</b>	<b>Sft</b>	

22 Pre-polished China Verona Marble Slab for steps ¾" thick of required size and design not less then 4 sft of supreme quality laid in white cement and matching pigment over a bed of ¾" thick c/s mortar 1:2 i/c making gola on exposed edges, complete in all respect as approved by the Engineer Incharge.

W1	11	6.00	1.50	99	Sft
W2	1	2.00	1.50	3	Sft
W3	1	3.00	1.50	5	Sft
W4	2	6.00	1.50	18	Sft
W5	2	4.00	1.50	12	Sft
CW1	8	1.50	1.50	18	Sft
CW2	4	3.00	1.50	18	Sft
CW3	3	6.00	1.50	27	Sft
W1	5	5.00	1.50	38	Sft
<b>Total</b>			<b>238</b>	<b>Sft</b>	

23 P/F curtain railing to doors and windows, comprising of TOSO-elite Japan made superior type of railing or equivalent, fixed over 4"x¾" (100mmx20mm) deodar wood strip, including painting.

W1	11	8.00	88	Rft
W2	1	4.00	4	Rft

W3	1	5.00	5	Rft
W4	2	8.00	16	Rft
W5	2	6.00	12	Rft
D	1	12.00	12	Rft
D1	1	6.00	6	Rft
D2	4	6.00	24	Rft
D3	13	5.50	72	Rft
D4	1	5.00	5	Rft
D5	6	4.50	27	Rft
Dress Opening	4	6.00	24	Rft
W1	5	7.00	35	Rft
D	1	10.00	10	Rft
D1	2	7.00	14	Rft
D2	5	6.00	30	Rft
D3	1	5.00	5	Rft
D4	1	3.50	4	Rft
<b>Total</b>			<b>393</b>	<b>Rft</b>

24 P/F stainless steel non magnetic stair railing 2-3/4" height consisting of 2" dia 18 SWG pipe top hand rail welded over vertical PIPE POST , of 2" fixed on steps with holding down rawel bolts

2	8.00	16	Rft
<b>Total</b>		<b>16</b>	<b>Rft</b>

25 P/F collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

D	1	10.00	9.00	90	Sft
<b>Total</b>			<b>9.00</b>	<b>90</b>	<b>Sft</b>

26 P/A weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: 1-Coat work on old surface.

Main Medicine Store	2	33.50	15.25	1022	Sft
	2	27.25	15.25	831	Sft
<b>Total</b>			<b>15.25</b>	<b>1853</b>	<b>Sft</b>

**Deductions**

D1	2	4.00	8.50	68	Sft
W4	1	4.00	6.00	24	Sft
<b>D/d Total</b>			<b>8.50</b>	<b>92</b>	<b>Sft</b>
<b>Net Total</b>			<b>15.25</b>	<b>1761</b>	<b>Sft</b>

  
Sub Divisional Officer  
Building Sub Division  
Pattoki

## ELECTRIC INSTALLATION FOR MAIN BUILDING, PERVEEN MEMORIAL & EMERGENCY BLOCK

2nd. Quarter 2021

Sr.No.	DESCRIPTION	QTY	RATE	UNIT	AMOUNT
1	Supply and erection of PVC pipe for wiring recessed in walls, including bends, inspection joints, boxes, pull boxes, hook, cutting and repair surface etc. completed with all specified.				
i	3/4" dia(20 mm)	800	52.80	1 Rft	42,240
ii	1" dia (25 mm)	600	61.00	1 Rft	36,600
2	Supply and fixing of single core PVC insulated copper, conductor cables 3.029 (220/230) volt for wiring (rate for cable).				
i	3/0.029 Single Core	4000	14.05	1 Rft	56,200
ii	7/0.029 Single Core	2000	18.35	1 Rft	36,700
iii	7/0.036" Single Core	2000	25.60	1 Rft	51,200
iv	7/0.064" 4 core cable	600	274.85	1 Rft	164,910
v	(19/0.052") 4 Core cable	400	509.85	1 Rft	203,940
3	S/E of gange plate with pvc box recessed type Bush made (hilife) of approved quality & colour complete in all respects by approved engineer inchrge				
i	1-3 Holes	30	500.00	1 Each	15,000
ii	1-4 Holes	60	550.00	1 Each	33,000
iii	6 Holes	60	575.00	1 Each	34,500
4	S/E of switch 10-Amp piano type single Pole (Bush hilife) complete in all respects as approved	600	75.00	1 Each	45,000
5	S/E of Socket 10-Amp piano type single Pole (Bush hilife) complete in all respects as approved	80	80.00	1 Each	6,400
6	S/E of power plug combined recessed type 20 amp bush hilife complete as approved	60	700.00	1 Each	42,000
7	S/E of button holder bakelite.	80	36.00	1 Each	2,880
8	S/E of LED 12 watt philps making connection complete	80	400.00	1 Each	32,000
9	P/F LED 100 watt Flood Light philips made making connection complete	5	8000.00	1 Each	40,000
10	P/F sogo light 400 watt philips made complete. N.S	5	20000.00	1 Each	100,000
11	Supply at site, factory fabricated, installation,testing, commissioning and connections of wires/ cables, Floor mounted type Main Panel Board, to be installed adjustant existing MPBs or as per instruction of project incharges, made of MS sheet 14 SWG degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95-100 micron thickness in approved colour with hinged door, flexible earthing strap lockable handle, catcher, earthing bar, neutral bar, 3 phase indication lights (R.Y.B) internal wiring Busbars to MCCBs,including cost of sets of Glands & lugs suitable for cables of sizes corresponding to the breaker capacities and all other necessary materials.complete in all respects.All MCCBs shall be installed inside the panel having a further M .S. protective sheet on front of MCCB/MCBs and accessible only by opening the front door.Additional copper flats shall be as facilitate for incoming power cables connection. INCOMING 1No.400 Amps Triple Pole, MCCBs,RC:50 kA 1No.Neutral Copper Bus bars ,2No.Earth Copper Bus bars,1set of Indication Lamps(Red Yellow,Blue)set. (N.S)	2	150000.00	1 Each	300,000

12	S/E of branch distribution board of M.S sheet with front cover of glass i/c cost of painting liner and outer connectn with thimble jumper and internal wiring 18"x24" complete wall mounted front accessoires with neon light /phase indication 3-Nos amp volt meters MCB /MCC complete in all repsect MCB Terasaki 100 amp TP I NO MCB terrasaki 6-30 amp Sp 18-Nos(N.S) <b>INCOMING</b> 01 NO 100-Amp D P (5-K-A) Terasaki japan 01 No 60-Amp volt meter (0-500 Amp)indiator neon light <b>OUT GOING</b> 6-Nos 6/20-Amp MCB single phase (6-KA) Terasaki japan (N.S)	2	45000.00	1	Each	90,000
13	S/E of SMD/COB Ceiling lights 6" dia 5-8 watt round or sequire shape fixed in ceiling complete.(Pak Lite)	600	1000.00	1	Each	600,000
14	Exhaust Fan 12" sweep with louver and shutter (As per approved manufacturers input	15	2600.00	1	Each	39,000
15	Earthing of iron clad/aluminum switches etc with G.I Wire No. 8 SWG in G.I pipe 15 mm (1/2") dia recessed or on surface of wall and floor complete with 1.5 meter long G.I pipe 50 mm (2" dia) with reducing socket 4 to 5 meter below ground level and 2 mete	4	7112.75	1	Each	28,451
<b>Total</b>						<b>2,000,021</b>

  
 Sub Divisional Officer  
 Buildings Sub-Division  
 Pattoki

  
 Executive Engineer  
 Buildings Division  
 Kasur

**PUBLIC HEALTH PORTION**

2nd. Quarter 2021

Sr. No	Description	Qty	Rate	Unit	Amount
1	P/F glazed earthen ware water closet European type excluding seat and cover coloured, Providing and fixing, double seat and cover only bake lite, Providing and fitting glazed earthen ware low down flushing cistern 13.63 litres (3 gallons) capacity, including bracket set, copper connection, etc coloured	4	5751.85	Each	23007
2		4	1553.20	Each	6213
3	P/F fancy type round glazed earthen water vanity 18" sonex i/c waste coupling etc i/c fixing at site complete.	4	7500.00	Each	30000
4	P/F plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. coloured	10	1575.60	Each	15756
5	Providing and fixing chromium plated bib cock 1/2"	12	347.80	Each	4174
6	Providing and fixing chromium plated tee stop cock 1/2"	12	467.80	Each	5614
7	P/F Muslim Shower Master Complete	10	1700.00	Each	17000
8	P/F bib Cock 1/2" Master Complete	10	2200.00	Each	22000
9	P/F C.P Jali for floor trap size 6"x6"x1/8" thick open able fixed with 6"x6" box type base to be fixed in floor complete in all respect as approved by the Engineer Incharge.	20	570.00	Each	11400
10	P/F Of Bath Room Accessories Set Comprising Of Looking Mirror, Shelf, Towel Rail, Towel Ring, Toilet Paper Holder, Soap Dish, Having Mug, Tooth Brush Holder Complete In All Respect As Approved / Directed By The Engineer Incharge.	10	5300.00	Each	53000
11	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower	10	1576.25	Each	15763
12	P/F Master Wall Shower Caper Set (3015) CP input pg-63 GA-33	2	32000.00	Each	64000
13	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium quality 3/4"	150	151.95	P-Rft	22793
b	.....do..... 1" dia	200	227.05	Rft	45410
14	Providing, laying, cutting, jointing, testing and disinfecting. PPRC pipeline beta quality complete 25mm	150	50.00	Rft	7500
	.....do.....32 mm	200	75.00	Rft	15000
15	P/F PPRC Male elbow 25x1/2 mm	35	150.00	Each	5250
i	P/F PPRC Male elbow 32x3/4 mm	35	160.00	Each	5600
ii	P/F PPRC reducer Elbow 32x25 mm	35	100.00	Each	3500
iii	P/F PPRC Socket 25 mm	35	40.00	Each	1400
iv	P/F PPRC Female Socket 25x1/2 mm	35	95.00	Each	3325
v	P/F PPRC Female Socket 32x25 mm	35	50.00	Each	1750
16	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects				
i	2" diameter class d	100	97.60	P-Rft	9760
ii	4" diameter	300	318.30	P-Rft	95490
17	Providing and installing P.V.C. bends, of B.S.S. Class B 4" dia	15	404.80	Each	6072
18	Providing and installing P.V.C. tees, of B.S.S Class B 4" dia	15	1140.15	Each	17102
19	Electric Water Geyser (As per approved manufacturers 12 Gallon (Input DF 2 page 61) fitting accesory should be paid separately.	2	8000.00	Glns	16000
<b>Total</b>					<b>523878</b>

  
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## EXTERNAL DEVELOPMENT

<u>Sr. No.</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1	External Sewerage	671,515
2	Tuff Paver	1,200,200
3	Repair of Main Boundary Wall	272,805
	<b>Total</b>	<b>2,144,520</b>

  
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## SEWERAGE SYSTEM

2nd Quarter 2021

1	Excavation in open cutting for sewerage and main hole 0 to 7 deep.				
	1x300x2x1-1/2	900	Cft		
	10x4x4x3	480	Cft		
	<b>Total</b>	<b>1380</b>	<b>Cft</b>	<b>6,683.30</b>	<b>%Cft 9223</b>
2	P/L cement concrete brick ballast 1-1/2" to 2" gauge. (1:6:18)				
	10x4x4x1/2	80	Cft	12099.90	%Cft 9680
3	Pacca brick work other than building (1:4)				
	10x2(4+2-1/2)3/4x5	650	Cft	24405.60	%Cft 158636
4	1/2" thick cement plaster (1:3)				
	10x2(2-1/2+2-1/2)x4	400	Cft	2406.70	%Sft 9627
5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4				
	10x2-1/2x2-1/2x1/4	16	Cft	<del>25014.00</del> <sup>30810.78</sup>	%Cft 3908
6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 1:2:4				
	10x4x4x1/3 = 53				
	Slab on Existing Water Channel				
	150x4x0.33= 198	240	Cft	<del>414.00</del> <sup>471/97</sup>	P-Cft 99360
	D/d 10x1.83x1.83x1/3 (-) =11				
7	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement. Deformed Grade 40				
	240x6.75x45356	735	Kgs	19958.65	%Kgs 146792

	P/L R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work,				
8	lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.				
	12 " diameter	300	Rft	546.65	P-Rft 163995
	Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x¼" (75x75x6mm) angle iron frame, 22" (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects				
9		10	No	7029.35	Each 70294

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**TOTAL 671515**

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## TUFF PAVERS ANALYSIS

2nd Quarter 2021

### DETAIL QUANTITY OF TUFF PAVERS

<b>1</b>	43.c /70	<p>P/L Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) 60-mm thick</p>	<p>1 x 300.00 x 20.00 1 x 100.00 x 10.00</p>	<p>= 6000 Sft = 1000 "</p>	
			<b>Total</b>	<b>7000</b>	<b>Sft</b>
			@	105.80	P.Sft 740600

<b>2</b>	NS	<p>P/F of Fiber glass shed <sup>5</sup>3-Ply consisting of vertical post of M.S pipe 4" i/d 1/8" thick 10-1/2' above floor level &amp; 1-1/2' embedded in PCC (1:2:4) welded with M.S tubular pipe of 1-1/2"x1-1/2"x16-SWG with 1-ft rise from center point of main horizontal frame strengthened with vertical as spourts of same size pipe i/c fixing of approved colour mrtical 3mm thick fiber glass sheet by making holes in pipe &amp; using rivets of appropriate size and painting complete in all respect as approved by the Engineer incharge.</p>	<p>Parking shed 1 40.00 15.00</p>	<p>600 Sft</p>	
			<b>Total</b>	<b>600</b>	<b>Sft</b>
			@	<del>766.00</del>	P.Sft 459600
				<b>707</b>	<b>Total 1200200</b>

  
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# Repair of Main Boundary Wall

2nd Quarter 2021

1 Removing cement or lime plaster.

200 x 5.25 x

3.00 = 3150 Sft

Total 3150 Sft

@ 319.00 %Sft 10049

2 1/2" thick Cement Sand Plaster (1:4) upto  
20' height Applying floating coat of  
cement 1/32" (0.8 mm) thick.

200 x 5.25 x

3.00 = 3150 Sft

Total 3150 Sft

@ 3613.10 %Sft 113813

3 Cement Sand Pointing (1:2) Struck Joints  
on Wall upto 20' height i/c red oxide  
pigment.

200 x 7.50 x

3.00 = 4500 Sft

Pillar 400 x 0.375 x

3.00 = 450 Sft

Total 4950 Sft

@ 3008.95 %Sft 148943

Total Rs. 272805

  
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**ROUGH COST ESTIMATES OF OLD MATERIAL FOR TEHSIL HEAD  
QUARTER HOSPITAL PATTOKI DISTRICT KASUR**

**GENERAL ABSTRACT OF COST**

Sr. No.	Description	Amount
1	COST OF DISMANTLING	966884
2	COST OF OLD MATERIAL	889327

  
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	1	46.00	96.25	0.25	1107	"
	1	26.50	130.00	0.25	861	"
	1	15.50	21.00	0.25	81	"
	1	18.25	22.25	0.25	102	"
				<b>Total</b>	<b>7046</b>	<b>Cft</b>
				@	1914.00	%Cft
					2679/60	13486
5	Dismantling cement concrete 1:2:4 plain.					
	Room No. 3 & 13	2	10.00	21.00	0.125	53 Cft
	Room No. 4, 5 & 6	3	14.00	12.00	0.125	63 "
	Dressing Area	3	7.25	6.00	0.125	16 "
	Room No. 8	1	14.00	16.50	0.125	29 "
	Room No. 9, 11 & 12	3	14.00	18.00	0.125	95 "
	Room No. 10	1	14.00	10.00	0.125	18 "
	Waiting Hall	1	15.00	21.00	0.125	39 "
	Waiting Hall	1	16.00	16.00	0.125	32 "
	Ver.	1	38.75	14.00	0.125	68 "
	Ver.	1	85.50	7.00	0.125	75 "
		1	37.00	17.25	0.125	80 "
	Room No. 16	1	14.00	15.00	0.125	26 "
		1	12.00	7.25	0.125	11 "
	Room No. 17	1	9.00	10.00	0.125	11 "
	Room No. 21	1	8.00	14.00	0.125	14 "
	Room No. 22	1	12.00	14.00	0.125	21 "
	Room No. 23	1	20.00	14.00	0.125	35 "
	Room No. 24	1	12.00	14.00	0.125	21 "
		1	6.00	7.00	0.125	5 "
	Room No. 25	1	6.25	6.25	0.125	5 "
	Room No. 26	1	18.00	14.00	0.125	32 "
	Room No. 29	1	10.00	12.00	0.125	15 "
		1	5.00	7.00	0.125	4 "
	Room No. 30	1	6.00	10.50	0.125	8 "
	Room No. 31 Cleaning Room	1	6.00	16.00	0.125	12 "
	Room No. 39	1	8.00	7.25	0.125	7 "
		1	8.00	8.00	0.125	8 "
	Room No. 49	1	8.00	18.00	0.125	18 "
	Room No. 50	1	18.00	10.00	0.125	23 "
	Room No. 51	1	12.00	14.00	0.125	21 "
	Room No. 52 & 56	2	18.00	40.00	0.125	180 "
	Room No. 53	1	15.00	10.00	0.125	19 "
	Room No. 54	1	6.00	10.00	0.125	8 "
	Room No. 55	1	8.00	10.00	0.125	10 "
	Room No. 57	1	7.00	9.00	0.125	8 "
	Ver.	1	104.00	7.00	0.125	91 "
		1	6.00	7.00	0.125	5 "
		1	15.50	7.00	0.125	14 "
		1	42.00	20.00	0.125	105 "
		1	14.00	28.00	0.125	49 "
		1	44.00	30.00	0.125	165 "
		1	15.00	21.00	0.125	39 "
		1	46.50	7.00	0.125	41 "
		1	15.00	21.00	0.125	39 "
		3	75.00	7.00	0.125	197 "
		1	70.00	7.00	0.125	61 "
	Door Cill	18	3.50	0.75	0.125	6 "
		8	4.00	0.75	0.125	3 "
		4	3.00	0.75	0.125	1 "
	Opening	5	4.00	0.75	0.125	2 "
Roof	Bath Room	2	5.00	7.00	0.125	9 "
		3	6.00	6.00	0.125	14 "
		1	6.00	6.25	0.125	5 "
		1	6.00	5.00	0.125	4 "
		2	6.00	6.00	0.125	9 "
		1	5.00	4.25	0.125	3 "

	1	7.25	5.00	0.125	5	"
	1	10.00	5.00	0.125	6	"
Lav.	1	14.00	8.00	0.125	14	"
Lav.	1	7.00	14.00	0.125	12	"
	1	7.00	12.00	0.125	11	"
Lav.	2	18.00	10.00	0.125	45	"
Lav.	1	16.00	9.00	0.125	18	"
	1	18.00	9.00	0.125	20	"
Room No. 58	1	14.00	21.50	0.125	38	"
Room No. 59,61,63,65 & 66	5	14.00	14.00	0.125	123	"
	1	6.75	6.00	0.125	5	"
	3	5.00	4.00	0.125	8	"
Room No. 60	1	12.00	14.00	0.125	21	"
Room No. 67 & 69	2	14.00	9.00	0.125	32	"
Room No. 70	1	14.00	20.50	0.125	36	"
G.O.T	1	12.50	12.25	0.125	19	"
G.O.T	1	14.00	7.00	0.125	12	"
G.O.T	1	7.00	6.625	0.125	6	"
Ver.	1	50.25	7.00	0.125	44	"
	1	16.25	3.50	0.125	7	"
	1	8.50	3.50	0.125	4	"
	1	15.00	12.00	0.125	23	"
	1	45.25	7.00	0.125	40	"
	1	15.50	14.00	0.125	27	"
	1	9.00	7.50	0.125	8	"
Main Medicine Store	1	32.00	25.00	0.125	100	"
M. Ward	1	19.25	42.00	0.125	101	"
F.M Ward	1	20.00	40.00	0.125	100	"
X.Ray Room	1	17.25	16.50	0.125	36	"
D.Room	1	7.00	7.00	0.125	6	"
Dr. Room	1	10.00	16.50	0.125	21	"
Dr. Room	1	10.00	14.00	0.125	18	"
Medicine Store	1	10.00	17.50	0.125	22	"
Waiting Area	1	12.00	16.50	0.125	25	"
Lav.	1	6.50	7.50	0.125	6	"
W.R	2	6.00	3.00	0.125	5	"
W.R	1	6.75	7.625	0.125	6	"
W.R	1	4.75	6.50	0.125	4	"
W.R	1	3.50	6.50	0.125	3	"
W.R	1	7.00	6.625	0.125	6	"
W.R	1	5.50	6.00	0.125	4	"
W.R	3	8.25	4.00	0.125	12	"
W.R	1	4.00	7.00	0.125	4	"
W.R	2	6.00	3.25	0.125	5	"
	1	6.50	6.50	0.125	5	"
Cill D5	15	2.50	0.75	0.125	4	"

Total	3029	Cft
@	8421.60	%Cft 255090

6 Dismantling glazed or encaustic tiles, etc.

Room No. 3 & 13	4	10.00	4.00	160	Sft
	4	21.00	4.00	336	"
Room No. 4, 5 & 6	6	14.00	4.00	336	"
	6	12.00	4.00	288	"
Dressing Area	6	7.25	4.00	174	"
	6	6.00	4.00	144	"
Room No. 8	2	14.00	4.00	112	"
	2	16.50	4.00	132	"
Room No. 9, 11 & 12	6	14.00	4.00	336	"
	6	18.00	4.00	432	"
Room No. 10	2	14.00	4.00	112	"



	2	10.00	4.00	80	"
Waiting Hall	2	15.00	4.00	120	"
	1	21.00	4.00	84	"
Waiting Hall	2	16.00	4.00	128	"
	1	16.00	4.00	64	"
Ver.	2	38.75	4.00	310	"
Ver.	2	85.50	4.00	684	"
	2	37.00	4.00	296	"
	2	17.25	4.00	138	"
Room No. 16	2	14.00	4.00	112	"
	2	15.00	4.00	120	"
	2	12.00	4.00	96	"
	2	7.25	4.00	58	"
Room No. 17	2	9.00	4.00	72	"
	2	10.00	4.00	80	"
Room No. 21	2	8.00	4.00	64	"
	2	14.00	4.00	112	"
Room No. 22	2	12.00	4.00	96	"
	2	14.00	4.00	112	"
Room No. 23	2	20.00	4.00	160	"
	2	14.00	4.00	112	"
Room No. 24	2	12.00	4.00	96	"
	2	14.00	4.00	112	"
	2	6.00	4.00	48	"
	2	7.00	4.00	56	"
Room No. 25	2	6.25	4.00	50	"
	2	6.25	4.00	50	"
Room No. 26	2	18.00	4.00	144	"
	2	14.00	4.00	112	"
Room No. 29	2	10.00	4.00	80	"
	2	12.00	4.00	96	"
	2	5.00	4.00	40	"
	2	7.00	4.00	56	"
Room No. 30	2	6.00	4.00	48	"
	2	10.50	4.00	84	"
Room No. 39	2	8.00	4.00	64	"
	2	7.25	4.00	58	"
	2	8.00	4.00	64	"
	2	8.00	4.00	64	"
Room No. 49	2	8.00	4.00	64	"
	2	18.00	4.00	144	"
Room No. 50	2	18.00	4.00	144	"
	2	10.00	4.00	80	"
Room No. 51	2	12.00	4.00	96	"
	2	14.00	4.00	112	"
Room No. 52 & 56	4	18.00	4.00	288	"
	4	40.00	4.00	640	"
Room No. 53	2	15.00	4.00	120	"
	2	10.00	4.00	80	"
Room No. 54	2	6.00	4.00	48	"
	2	10.00	4.00	80	"
Room No. 55	2	8.00	4.00	64	"
	2	10.00	4.00	80	"
Room No. 57	2	7.00	4.00	56	"
	2	9.00	4.00	72	"
Ver.	2	104.00	4.00	832	"
	2	6.00	4.00	48	"
	2	15.50	4.00	124	"
	2	42.00	4.00	336	"
	2	44.00	4.00	352	"
	2	21.00	4.00	168	"
	2	46.50	4.00	372	"
	2	15.00	4.00	120	"
	6	75.00	4.00	1800	"

		2	70.00	4.00	560	"
	Door Side	60	0.75	4.00	180	"
	Windows Side	126	1.00	1.50	189	"
		8	1.00	2.00	16	"
Walls	Bath Room	4	5.00	4.00	80	"
		4	7.00	4.00	112	"
		6	6.00	4.00	144	"
		6	6.00	4.00	144	"
		2	6.00	4.00	48	"
		2	6.25	4.00	50	"
		2	6.00	4.00	48	"
		2	5.00	4.00	40	"
		4	6.00	4.00	96	"
		4	6.00	4.00	96	"
		2	5.00	4.00	40	"
		2	4.25	4.00	34	"
		2	7.25	4.00	58	"
		2	5.00	4.00	40	"
		2	10.00	4.00	80	"
		2	5.00	4.00	40	"
	Lav.	2	14.00	4.00	112	"
	Lav.	2	8.00	4.00	64	"
		4	3.00	4.00	48	"
		4	5.00	4.00	80	"
	Lav.	2	7.00	4.00	56	"
	Lav.	2	14.00	4.00	112	"
		2	7.00	4.00	56	"
		2	12.00	4.00	96	"
		8	3.25	4.00	104	"
		8	5.00	4.00	160	"
	Lav.	4	18.00	4.00	288	"
	Lav.	4	10.00	4.00	160	"
		12	5.00	4.00	240	"
		12	3.00	4.00	144	"
		4	7.00	4.00	112	"
		4	6.00	4.00	96	"
	Lav.	2	16.00	4.00	128	"
		2	9.00	4.00	72	"
		2	18.00	4.00	144	"
		2	9.00	4.00	72	"
	Bath Room	8	5.00	4.00	160	"
		8	4.25	4.00	136	"
		8	6.00	4.00	192	"
		8	4.25	4.00	136	"
	Room No. 58	2	14.00	4.00	112	"
		2	21.50	4.00	172	"
	Room No. 59,61,63,65 & 66	10	14.00	4.00	560	"
		10	14.00	4.00	560	"
		2	6.75	4.00	54	"
		2	6.00	4.00	48	"
		6	5.00	4.00	120	"
		6	4.00	4.00	96	"
	Room No. 60	2	12.00	4.00	96	"
		2	14.00	4.00	112	"
	Room No. 67 & 69	4	14.00	4.00	224	"
		4	9.00	4.00	144	"
	Room No. 70	2	14.00	4.00	112	"
		2	20.50	4.00	164	"
	G.O.T	2	12.50	4.00	100	"
		2	12.25	4.00	98	"
	G.O.T	2	14.00	4.00	112	"
		2	7.00	4.00	56	"

G.O.T	2	7.00	4.00	56	"
	2	6.625	4.00	53	"
Ver.	2	50.25	4.00	402	"
	2	7.00	4.00	56	"
	4	3.50	4.00	56	"
	2	45.25	4.00	362	"
	2	7.00	4.00	56	"
	2	15.50	4.00	124	"
	2	9.00	4.00	72	"
	1	7.50	4.00	30	"
Main Medicine Store	2	32.00	4.00	256	"
	2	25.00	4.00	200	"
Lav.	2	6.50	4.00	52	"
	2	7.50	4.00	60	"
W.R	4	6.00	4.00	96	"
	4	3.00	4.00	48	"
W.R	2	6.75	4.00	54	"
	2	7.625	4.00	61	"
W.R	2	4.75	4.00	38	"
	2	6.50	4.00	52	"
W.R	2	3.50	4.00	28	"
	2	6.50	4.00	52	"
W.R	2	7.00	4.00	56	"
	2	6.625	4.00	53	"
W.R	2	5.50	4.00	44	"
	2	6.00	4.00	48	"
W.R	6	8.25	4.00	198	"
	6	4.00	4.00	96	"
W.R	2	4.00	4.00	32	"
	2	7.00	4.00	56	"
W.R	4	6.00	4.00	96	"
	4	3.25	4.00	52	"
W.R	2	6.50	4.00	52	"
	2	6.50	4.00	52	"
Side D2	30	0.75	4.00	90	"
M. Ward	2	19.25	0.50	19	"
	2	42.00	0.50	42	"
F.M Ward	2	20.00	0.50	20	"
	2	40.00	0.50	40	"
X.Ray Room	2	17.25	0.50	17	"
	2	16.50	0.50	17	"
D.Room	2	7.00	0.50	7	"
	2	7.00	0.50	7	"
Dr. Room	2	10.00	0.50	10	"
	2	16.50	0.50	17	"
Dr. Room	2	10.00	0.50	10	"
	2	14.00	0.50	14	"
Medicine Store	2	10.00	0.50	10	"
	2	17.50	0.50	18	"
Waiting Area	2	12.00	0.50	12	"
	2	16.50	0.50	17	"

<b>Total</b>	<b>24770</b>	<b>Sft</b>
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**Deductions**

D1	54	3.50	4.00	756	Sft
D2	22	3.00	4.00	264	"
D3	8	2.50	4.00	80	"
D4	14	4.00	4.00	224	"
D4A	8	4.50	4.00	144	"
D6	6	3.00	4.00	72	"
W	8	3.00	1.50	36	"
W	20	6.00	1.50	180	"

W	1	12.00	1.50	18	"
W	40	4.00	1.50	240	"
W	19	7.00	1.50	200	"
Ver. Opening	4	7.00	4.00	112	"
D2	38	2.50	4.00	380	"
W1	11	6.00	2.00	132	"
W2	1	2.00	2.00	4	"
W3	1	3.00	3.00	9	"
W4	2	6.00	1.00	12	"
W5	2	4.00	2.00	16	"
D	1	10.00	4.00	40	"
D1	1	4.00	4.00	16	"
D2	7	4.00	4.00	112	"
D3	13	3.50	4.00	182	"
D4	1	3.00	4.00	12	"
D5	12	2.50	4.00	120	"
Dress Opening	4	4.00	4.00	64	"
W1	5	5.00	2.00	50	"
D	1	8.00	4.00	32	"
D1	2	5.00	4.00	40	"
D2	5	4.00	4.00	80	"
D3	1	3.00	4.00	12	"
D4	1	2.50	4.00	10	"
D5	15	2.50	4.00	150	"

<b>D/d Total</b>	<b>3799</b>	<b>Sft</b>
<b>Net Total</b>	<b>20971</b>	<b>Sft</b>
@	1768.80	%Sft 370935

<b>Total</b>	<b>966884</b>
--------------	---------------

  
 Sub Divisional Officer  
 Buildings Sub-Division  
 Pattoki

## COST OF OLD MATERIAL

<b>1</b>									
<i>i</i>	Old Tiles (9"x4-1/2"x1-1/2") as per qty No.3	1	28183	60%	3.55	60029	Nos		
					<b>Total</b>	<b>60029</b>	<b>Nos</b>		
					@	3500.00	%0 No.	210102	
<i>ii</i>	Tile Bats as per qty item No.3	1	28183	40%	0.125	1409	Cft		
					<b>Total</b>	<b>1409</b>	<b>Cft</b>		
					@	2500.00	%Cft	35225	
<b>2</b>	Flush Door with chowkat.	67				67	No		
					<b>Total</b>	<b>67</b>	<b>No</b>		
					@	4500.00	Each	301500	
<b>3</b>	M.S Iron Windows and sky lights with chowkat.	137				137	No		
					<b>Total</b>	<b>137</b>	<b>No</b>		
					@	2500.00	Each	342500	

<b>Total</b>	<b>889327</b>
--------------	---------------

  
 Sub Divisional Officer  
 Buildings Sub-Division  
 Pattoki

  
 Executive Engineer  
 Buildings Division  
 Kasur

P/L Granite floor tile (Master) DWV Series pre-polished (Dark color) class SB Size 24"x24" laid over a bed of 3/4" thick cement sand mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge. (For Floor).

Detail	Unit Rate P.Sft				
	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
<b>MATERIAL</b>					
Granite floor tile (Master) DWV Series pre-polished (Dark color) class SB Size 24"x24" i/c wastage. (CA-4,9) p-57 1692/10.76=157.25	105	Sft	157.25	P.Sft	16511.25
ii). White Cement (06.009) (page#1)	0.1	Bag	1100	P.Bag	110
iii). Grey Cement (06.008)	2.16	Bag	600	P.Bag	1296
vi). Pigment (10.015)	0.45	Kg	82	P.Kg	36.9
v). Sand (06.007)	5.2	Cft	1400	%Cft	72.8
<b>Total</b>					18026.95
Contractor's profit and over head charges 20%					3605.39
<b>Total</b>					<b>21632.34</b>
<b>Labour</b>					
i). Mason (LB-040)	2	Nos	950	P.Day	1900
ii). Un skilled Coolies (LB-015)	4	Nos	725	P.Day	2900
iii). Bahishti (LB-017)	0.5	No	750	P.Day	375
<b>Total</b>					5175
<b>Sundries 10%</b>					517.5
<b>Total</b>					5692.5
Contractor's profit and over head charges 20%					1138.5
<b>Total</b>					<b>6831</b>
<b>Item Rate</b>					
Labour Rate for P.Sft					68.31
Composite Rate per % P.sft					28463.34
Composite Rate per P.Sft					<b>284.63</b>
			Say Rs.		<b>285</b>

Certified that the rates for material and labour are as per input rates as displayed on website of Finance Department for the 2nd Bi-Annual 1st July 2021 to 31 Dec 2021 for District Kasur.

  
**Sub Divisional Officer**  
 Buildings Sub Division  
 Pattoki

  
**Executive Engineer**  
 Buildings Division  
 Kasur



P/L Granite floor tile (Master) DWV Series pre-polished (Dark color) class SB Size 24"x24" laid over a bed of 3/4" thick cement sand mortar 1:2, i/c filling joints with white cement mixed with matching pigment complete in all respect as approved by the engineer incharge.(For Dado)

Detail	Unit Rate P.Sft				
	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
<b>MATERIAL</b>					
Granite floor tile (Master) DWV Series pre-polished (Dark color) class SB Size 24"x24" i/c wastage. (CA-4,9) p-57 1692/10.76=157.25	105	Sft	157.25	P.Sft	16511.15
ii). White Cement (06.009) (page#1)	0.1	Bag	1100	P.Bag	110
iii). Grey Cement (06.008)	2.16	Bag	600	P.Bag	1296
vi). Pigment (10.015)	0.45	Kg	82	P.Kg	36.9
v). Sand (06.007)	5.2	Cft	1400	%Cft	72.8
<b>Total</b>					18026.85
Contractor's profit and over head charges 20%					3605.37
<b>Total</b>					<b>21632.22</b>
<b>Labour</b>					
i). Mason (LB-040)	2.5	Nos	950	P.Day	2375
ii).Un skilled Coolies (LB-015)	5	Nos	725	P.Day	3625
iii). Bahishti (LB-017)	0.5	No	750	P.Day	375
<b>Total</b>					6375
<b>Sundries 10%</b>					637.5
<b>Total</b>					7012.5
Contractor's profit and over head charges 20%					1402.5
<b>Total</b>					<b>8415</b>
<b>Item Rate</b>					
Labour Rate for P.Sft					84.15
Composite Rate per % P.sft					30047.22
Composite Rate per P.Sft					<b>300.47</b>
				<b>Say Rs.</b>	<b>300</b>

Certified that the rates for material and labour are as per input rates as displayed on website of Finance Department for the 2nd Bi-Annual 1st July 2021 to 31 Dec 2021 for District kasur.

  
Sub Divisional Officer  
Buildings Sub Division  
Pattoki

  
Executive Engineer  
Buildings Division  
Kasur



P/L Chequered Tile 115 x 268 x 10mm Light colour Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)

Detail	Unit Rate P.Sft				
	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
<b>MATERIAL</b>					
i).Chequered tile 115x268x10mm i/c wastage. (CB-4,1) $800/10.76=74.35$	105	Sft	74.35	P.Sft	7806.69
ii). White Cement (06.009) (page#1)	0.1	Bag	1100	P.Bag	110
iii). Grey Cement (06.008)	2.16	Bag	600	P.Bag	1296
vi). Pigment (10.015)	0.45	Kg	82	P.Kg	36.9
v). Sand (06.007)	5.2	Cft	1400	%Cft	72.8
<b>Total</b>					9322.39
Contractor's profit and over head charges 20%					1864.48
<b>Total</b>					<b>11186.87</b>
<b>Labour</b>					
i). Mason (LB-040)	2	Nos	950	P.Day	1900
ii).Un skilled Coolies (LB-015)	4	Nos	725	P.Day	2900
iii). Bahishti (LB-017)	0.5	No	750	P.Day	375
<b>Total</b>					5175
<b>Sundries 10%</b>					517.5
<b>Total</b>					5692.5
Contractor's profit and over head charges 20%					1138.5
<b>Total</b>					<b>6831</b>
<b>Item Rate</b>					
Labour Rate for P.Sft					68.31
Composite Rate per % P.sft					18017.87
Composite Rate per P.Sft					<b>180.18</b>
			Say Rs.		<b>180</b>

Certified that the rates for material and labour are as per input rates as displayed on website of Finance Department for the 2nd Bi-Annual 1st July 2021 to 31 Dec. 2021 for District Kasur.

  
Sub divisional Officer  
Buildings Sub Division  
Pattoki

  
Executive Engineer  
Buildings Division  
Kasur





Providing and fixing of False Ceiling consisting of laminated Gymsum Board (one side laminated) of size 600mm x 600mm x 9-10mm over aluminum Tee's 1"x 1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc compete in all respect as approved by the Engineer Incharge.

Detail Of Cost =100-Sft  
Unit P-Sft

Sr. No.	Description	QTY	RATE	UNIT	AMOUNT
<b>A</b>	<b><u>MATERIAL</u></b>				
1	P/O Mineral Fiber False Ceiling Best Quality				
	10 x 10	100 Sft			
	add 5% wastage	5 Sft			
	Total	105 Sft		30 P-Sft	3150
2	Cost of G.I Wire 20-SWG for Hanging false Ceiling			L.S	180
3	Cost of Rawal Plug			L.S	85
4	Cost of Screws / Nails			L.S	130
5	Cost of fitting Material			L.S	130
6	Cost of Aluminium Tee / Angle				
		2x5x10 100 Rft		10 P-Rft	1000
<b>B</b>	<b><u>Labour Charges</u></b>				
1	Labour Charges for fixing false ceiling i/c Drilling Fastening of G.I Wires Leveling of False Ceiling				
		100 Sft		8.5 P-Sft	850
				<b>Total</b>	<b>5525</b>
	Add 20% Contractor Profit & overhead Charges				1105
				<b>Total</b>	<b>9005</b>

Unit rate Per Sft  $\frac{9005}{100} = 90.05$  P-Sft

Say Rs. 90/- P-Sft

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Sub Divisional Officer  
Buildings Sub Division  
pattoki

  
Engineer  
Buildings Division  
Kasur



P/L Antistatic floor sheet poly floor colour chemical resistance ESD silver/grey 2mm thcik UK i/c Preparation of Floor surface by laying epoxy Damp Proof i/c all labour caping strip carriage complete.

Detail	Unit Rate P.Sft				
	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
<b>MATERIAL</b>					
Adex CL-11 made in germany self levelling and smothing compound as isoliting barrier 3mm thick	100	Sft	330	P.Sft	33000.00
Polyflor cove former used at floor and wall junction	6	Rft	130	P.Rft	780
Polyflor ESD floor covering made in UK electrostatic dissipitive properties i/c wastages	110	Sft	300	P.Sft	33000
Cove strip to protect floor edges	10	Rft	140	P.Rft	1400
<b>Total</b>					<b>68180.00</b>
<b>Labour</b>					
Sub Floor Vacume Grinding	100	Sft	25	P.Day	2500
Installation of PVC sheet CL-II levelling compound	100	Sft	75	P.Day	7500
<b>Total</b>					<b>10000.00</b>
<b>Sundries 10%</b>					1000
<b>Total</b>					<b>11000.00</b>
<b>Total (Material+Labour)</b>					<b>79180.00</b>
Contractor's profit and over head charges 20%					15836
<b>Total</b>					<b>95016.00</b>
Composite Rate per P.Sft					950.16
			<b>Say Rs.</b>		<b>950</b>

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**Sub Divisional Officer**  
 Buildings Sub Division  
 pattoki

  
**Executive Engineer**  
 Buildings Division  
 Kasur



P/F M.S grill consisting of 1" x 1" , 16-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 i/c 12-no ornamental wrought iron ess shape pieces in each window, 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.

Detail	Unit Rate (British System) per Sft		
	Qty	Rate Per Unit (Rs.)	Amount (Rs.)
<b>Material</b>			
1 M.S. Square bars 2x2(7/8+1-7/8+4-1/2+5-1/2+6-1/3) = Wastage 5% = TOTAL	92.00 Rft 4.60 Rft. <b>96.60 Rft</b>		
96.60x0.47x0.454 input p-13,17.003	= <b>20.61 Kg</b>		
		<b>125.04 P. Kg</b>	<b>2,577.39</b>
2 P/O Box Section 1" x 1" of 18-SWG 1x2 (5+7) 2x5 = Total	24.00 Rft 10.00 Rft <b>34.00 Rft</b>		
Wastage 5% = TOTAL	= <b>35.70 Rft</b>		
35.70x0.342	= <b>12.21 Kg</b>		
		<b>85.00 P. Kg</b>	<b>1,037.80</b>
3 Cost of Hold Fsat		L.S	120.00
4 Welding Rods	1 Bndl		
		300.00 P.Bndl	300.00
5 Cost of Primer & Paint		L.S	200.00
<b>Total</b>			<b>4,235.19</b>
Contractor's Profit & Overheads 20 Percent			847.04
		<b>TOTAL (A)</b>	<b>5,082.22</b>
<b>Labour</b>			
i Black Smith LB -028	1 Nos	950.00 P. Day	950.00
ii Helper LB -061	1/4 Nos	725.00 P. Day	181.25
iii Welder LB -052	1/2 Nos	950.00 P. Day	475.00
iv Masson LB -040	1/4 Nos	950.00 P. Day	237.50
v Coolie LB -015	1/4 Nos	725.00 P. Day	181.25
vi Painter LB -062	1/4 Nos	750.00 P. Day	187.50
Total			<b>2,212.50</b>
Sundries 10 Percent			221.25
<b>Total</b>			<b>2,433.75</b>
Contractor's Profit & Overheads 20 Percent			486.75
		<b>TOTAL (B)</b>	<b>2,920.50</b>
		<b>TOTAL A+B</b>	<b>8,002.72</b>
<b>Item Rates P.Sft</b>	<b>8002.72 / 20</b>	<b>400.14</b>	
<b>SAY</b>	<b>400.00 P.Sft</b>		

Certified that Rates for material and labour are as per input rates as displayed on web site of finance Department for the 2nd Bi Annual 2021.

  
Sub Divisional Officer  
Buildings Sub Division  
Pattoki

  
Executive Engineer  
Buildings Division  
Kasur.



P/L Prepolished China Verona Marble Slab 4-sft Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)

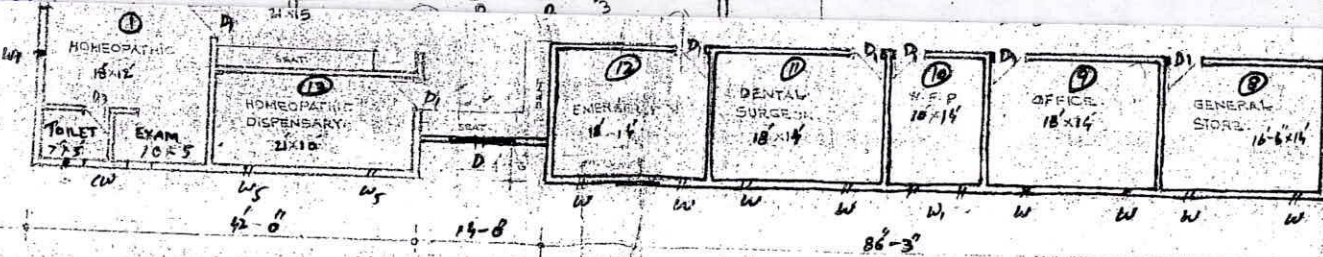
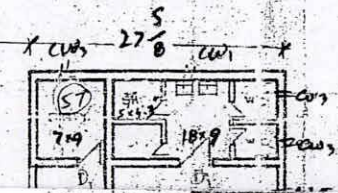
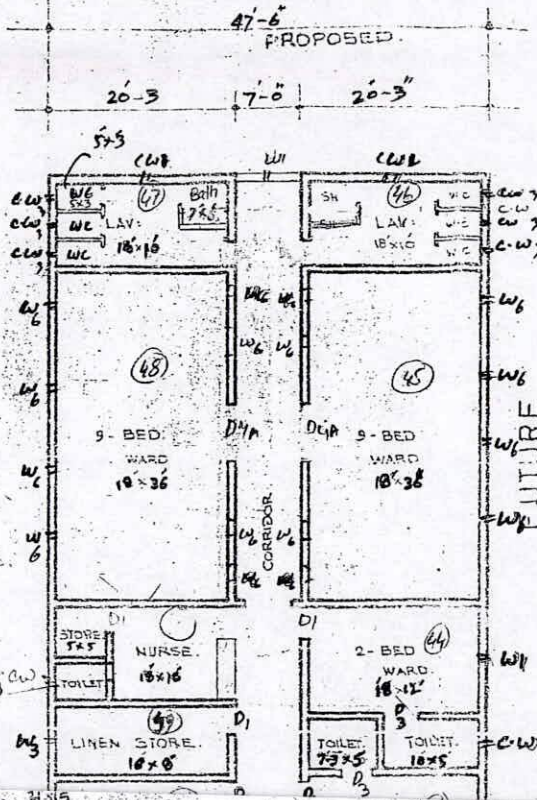
Detail	Unit Rate P.Sft				
	For Analysis purpose (100.00 Sft)				
	Quantity		Rate per unit (Rs)		Amount
<b>MATERIAL</b>					
i). Prepolished china Verona Marble slab i/c 5% wastage.	105	Sft	375.00	P.Sft	39375.00
ii). White Cement (06.009) (page#1)	0.1	Bag	1100	P.Bag	110
iii). Grey Cement (06.008)	2.16	Bag	600	P.Bag	1296
vi). Pigment (10.015)	0.45	Kg	82	P.Kg	36.9
v). Sand (06.007)	5.2	Cft	1400	%Cft	72.8
Vi) Making Gola	50	Rft	25	P-Rft	1250
<b>Total</b>					42140.70
Contractor's profit and over head charges 20%					8428.14
<b>Total</b>					<b>50568.84</b>
<b>Labour</b>					
i). Mason (LB-040)	1.5	Nos	950	P.Day	1425
ii).Un skilled Coolies (LB-015)	3	Nos	725	P.Day	2175
iii). Bahishti (LB-017)	0.5	No	750	P.Day	375
iv. Chemical Polishing	100	Sft	25	P. Sft	2500.00
<b>Total</b>					6475
<b>Sundries 10%</b>					397.5
<b>Total</b>					6872.5
Contractor's profit and over head charges 20%					1374.5
<b>Total</b>					<b>8247.00</b>
<b>Item Rate</b>					
Labour Rate for P.Sft					82.47
Composite Rate per % P.sft					58815.84
Composite Rate per P.Sft					<b>588.16</b>
			<b>Say Rs.</b>		<b>588</b>

Certified that the rates for material and labour are as per input rates as displayed on website of Finance Department for the 2nd Bi-Annual 1st July 2021 to 31 Dec. 2021 for District kasur.

  
**Sub Divisional Officer**  
 Buildings Sub Division  
 pattoki

  
 Executive Engineer  
 Buildings Division  
 Kasur





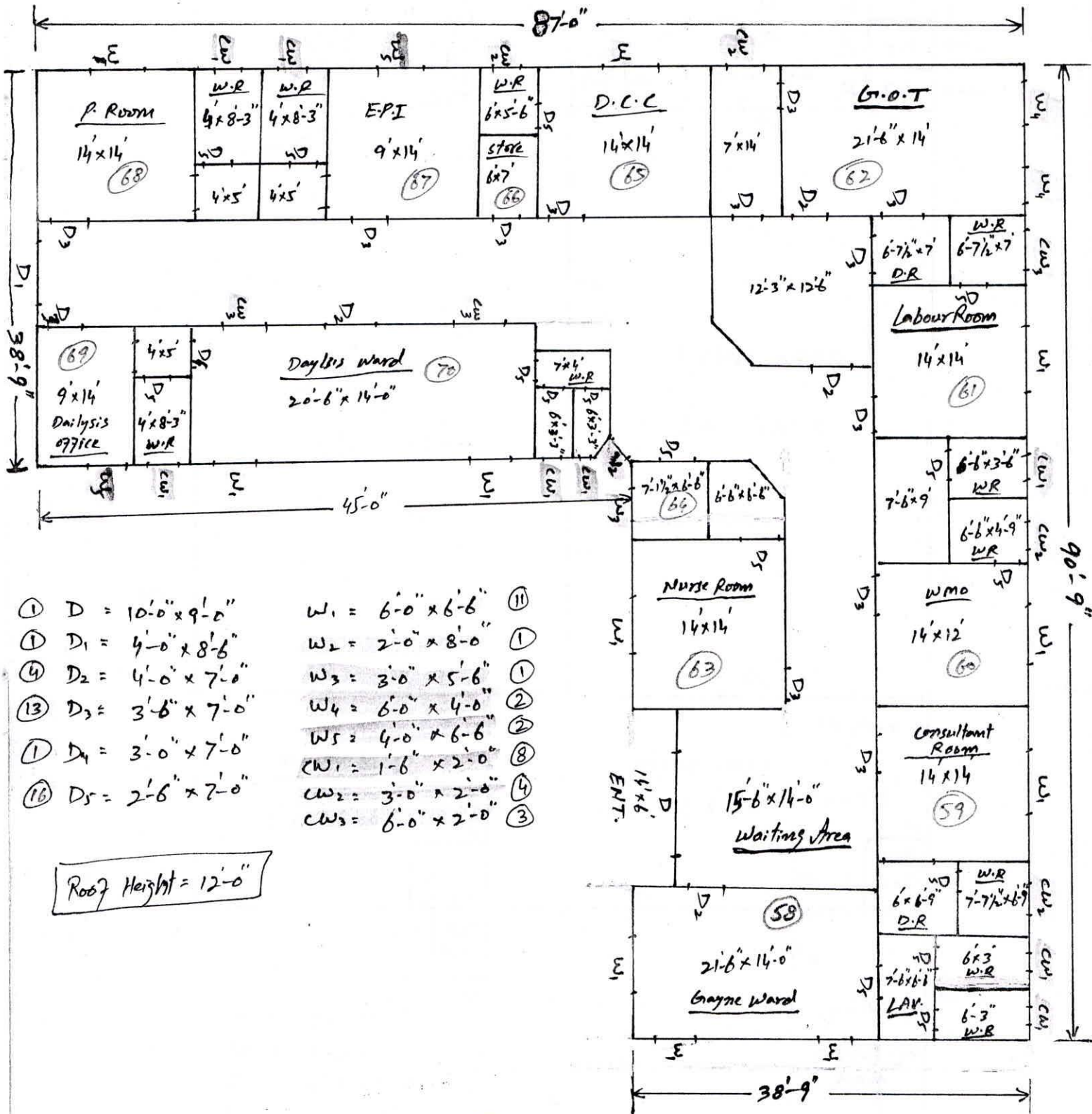
GROUND FLOOR.

PROPOSED.

DOOR	WINDOW
D = 9 x 8 1/2	W = 3 x 6 (4) 3 x 1 1/2
D1 = 3 1/2 x 8 1/2	W1 = 8 x 6
D2 = 3 x 8 1/2	W2 = 8 x 1 1/2
D3 = 2 1/2 x 7	W3 = 3 x 6
D4 = 4 x 8 1/2	W4 = 12 x 6
D5 = 7 x 8 1/2	W5 = 4 x 6 + (4 x 1 1/2)
AL = 4 1/2 x 4 1/2	CW1 = 6 x 15
DW1 = 20 x 9 0"	CW2 = 6 x 1 1/2
DW2 = 9 x 9 0"	CW3 = 3 x 15 0"
D6 = 3 x 7	W6 = 4 x 6
D7 = 4 1/2 x 8 1/2	W7 = 7 x 5 6"
	W8 = 4 x 3
	W9 =
	CW4 = 12 0" x 2 0"

Sub Division  
Building Sub  
Patio

LINE PLAN OF PARVEEN MEMORIAL BLOCK T.H.Q HOSPITAL PATTOKI

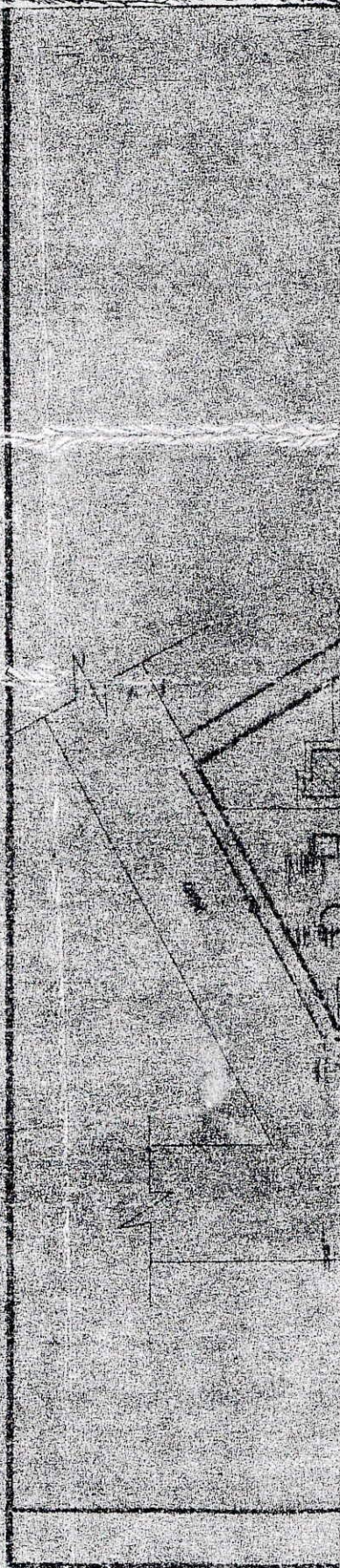


- ① D = 10'-0" x 9'-0"      W<sub>1</sub> = 6'-0" x 6'-6"      ⑪
- ① D<sub>1</sub> = 4'-0" x 8'-6"      W<sub>2</sub> = 2'-0" x 8'-0"      ①
- ④ D<sub>2</sub> = 4'-0" x 7'-0"      W<sub>3</sub> = 3'-0" x 5'-6"      ①
- ⑬ D<sub>3</sub> = 3'-6" x 7'-0"      W<sub>4</sub> = 6'-0" x 4'-0"      ②
- ① D<sub>4</sub> = 3'-0" x 7'-0"      W<sub>5</sub> = 4'-0" x 6'-6"      ②
- ⑬ D<sub>5</sub> = 2'-6" x 7'-0"      CW<sub>1</sub> = 1'-6" x 2'-0"      ⑧
- CW<sub>2</sub> = 3'-0" x 2'-0"      ④
- CW<sub>3</sub> = 6'-0" x 2'-0"      ③

Roof Height = 12'-0"

*[Signature]*  
 Sub Division Officer  
 Building Sub Division  
 Pattoki

*[Signature]*  
 Executive Engineer  
 Buildings Division  
 Kasur.





### NOTES

1. IF ANY ERROR OR OMISSION IS FOUND IN DRAWING THIS OFFICE MAY BE CONSULTED FOR RECTIFICATION.
2. FOR ANY FURTHER DETAIL / CLARIFICATION ON THE DRAWING PLEASE CONTACT THE PROJECT ARCHITECT.
3. ALL NECESSARY NO'S / PERMISSIONS MAY BE OBTAINED FROM THE CONCERNED AUTHORITIES BEFORE COMMENCEMENT OF PROJECT AT SITE.
4. THIS DRAWING HAS BEEN SCANNED FROM SITE PLAN PROVIDED BY THE CONCERNED VIDE LETTER NO. 2540-D-10-201.

### LEGEND

NO.	DESCRIPTION	SCHEM. NO.	S/S NO.	DATE
A	EXISTING WORK	8455	-	01-02
B	SINGLE ROOM ACCOMMODATION	8201	03	01-02
C	RESIDENCE 15 & 19	8207	-	01
D	RESIDENCE 15 & 17	8208	-	01
E	RESIDENCE 01 & 10	2457	01	02

APPROVAL MAY PLEASE BE ACCORDED FROM COMPETENT AUTHORITY PRIOR TO EXECUTING WORK AT SITE.

PROPOSED WORK SHOWN THUS:   
 EXISTING WORK SHOWN THUS: 

#### PROJECT

CONSTRUCTION OF 20 BEDED TRAUMA CENTER AND REVAMPING OF T.H.Q. HOSPITAL PATOKI DISTRICT KASUR.

#### TITLE

### LAY OUT PLAN (FOR APPROVAL)

SCHEME NO.	SUB-SCHE. NO.	DRAWING NO. DATE
374	-	02 16-2-21

SCALE AS SHOWN

*Alam*  
 INTIKHAD ALAM  
 ARCH. ASSISTANT

*Umer Sheikh*  
 UMER SHEIKH  
 DRAWN BY

*Mushtaq*  
 16-02-21  
 AMBARA MASOOD  
 ASSISTANT DIRECTOR

DEPUTY DIRECTOR

DIRECTOR ARCHITECTURE LAHORE

ARCHITECTURE DEPARTMENT  
 OFFICE OF THE DIRECTOR  
 ARCHITECTURE LAHORE



**8. Annual Operating and Maintenance Cost after Completion of the Project**

The Annual operating and maintenance cost after completion of the project will be borne by the concerned District Health Authority (DHA) as well as Primary and secondary healthcare Department, Lahore.



**8. ANNUAL OPERATING COST (POST COMPLETION)**

**Financial Components:** Capital  
**Cost Center:**OTHERS- (OTHERS)  
**Fund Center (Controlling):**LE4203

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010607  
**A/C To be Credited:**Account-I

PKR Million

Sr #	Object Code
<b>Total</b>	

**Financial Components:** Capital  
**Cost Center:**OTHERS- (OTHERS)  
**Fund Center (Controlling):**LE4203

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO21010607  
**A/C To be Credited:**Account-I

PKR Million

Sr #	Object Code
<b>Total</b>	

## **9. DEMAND AND SUPPLY ANALYSIS**

Semi modern health facilities and scientific diagnostics are presently available in this Hospital. This initiative of revamping Hospital will cover all departments and components of healthcare including Medical, Surgical, psychiatric, Cardiac, ENT, Ophthalmic and Pediatrician components. Moreover, women health components i.e. Gynecology and obstetric will also be emphasized upon. In emergency, calamities and natural disasters, valuable lives will be saved through revamping of Emergency Units.

## **10. FINANCIAL PLAN AND MODE OF FINANCING**

### **10.1 FINANCIAL PLAN EQUITY INFORMATION**

## 10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

## 10.3 FINANCIAL PLAN GRANT INFORMATION

attached

## 10. Financial Plan and Mode of Financing

The project will be executed / financed through Annual Development Program under the sector Primary and Secondary Healthcare Department, the Government of Punjab. Year wise financial utilization is as under:

### Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	58.000	26.827	3.059	3.025	5.275	6.979	103.165
Utilization	30.737	26.746	2.983	2.885	4.671	0.518	68.540

### Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0.000	5.000	5.000
Utilization	0	0	0	0	0.000	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 gazette and non-gazette posts will be available for employment directly or indirectly.

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

#### Environmental Impact

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

### **11.3 PACT ANALYSIS**

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### **11.4 ECONOMIC ANALYSIS**

#### Impact of Delays on Project Cost and Viability

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

## 11.5 FINANCIAL ANALYSIS

### Financial Benefits & Analysis

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### 11.1.1 Financial Impact:

In the beginning, 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:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges

Ambulance charges

From other fees prescribed by Government



## 12. IMPLEMENTATION SCHEDULE

### 12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

#### Implementation Schedule

Original Gestation period (From September, 2017 to June, 2019)

Extension in Gestation period for one year with no change in cost & Scope till June 2020.

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025



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## 12.4 M&E PLAN

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

## 12.5 RISK MITIGATION PLAN

attached

## RISK REGISTER

### Programme for Revamping of all THQ Hospitals in Punjab

RISK DATA				Pre-Mitigation / Current			MITIGATION
				Qualitative Assessment			
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

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### 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

### 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

### 15. CERTIFICATE

**Focal Person Name:**Mr. Adeel Aslam

**Designation:**Project Director, PMU P&SHD

**Email:**

**Tel. No.:**

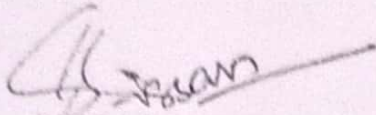
**Fax No:**

**Address:**31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

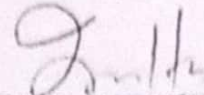


15. It is certified that the project titled "Revamping of THQ Hospital Pattoxi (3<sup>rd</sup> Revised)" has been prepared on the basis of instruction provided by the Planning Commission for the preparation of PC-I for Social Sector projects.

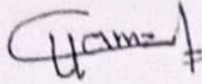
Prepared By:



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

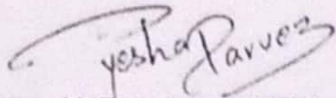


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(Oct-2022)

Checked By:




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(KHIZAR HAYAT)  
PROJECT DIRECTOR (PMU),  
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(Oct-2022)

Approved By:



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

## 17. RELATION WITH OTHER PROJECTS

Scheme ID	Scheme Name
	Revamping of THQ Hospital, Puttuki District Kasur

## 20. MARGINALISATION OF PC-1

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

2b	if yes, did the consultation include experts and representatives of marginalised groups and csos?	NO	
3	was participation of representatives of marginalised groups ensured in pc-1 rist assessment planning?	NO	
<b>Monitoring &amp; Evaluation</b>			
1	does the project provide a role to communities in project monitoring and/or implementation (if relevant)?	NO	
2a	does the project include formation of a steering committee and/or project implementation committees?	NO	
2b	if yes, is there a provision to ensure representation of women in these committees?	NO	