



PC-1

## Revamping of THQ Hospital, Kallar Syedan District Rawalpindi

ORIGINAL APPROVED COST	<b>PKR Million. 343.322/-</b>
ORIGINAL APPROVED GESTATION	<b>72 Months</b> <b>Till June 2025</b>
APPROVAL FORUM	<b>DDSC (DDSC)</b>

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

Revamping of THQ Hospital, Kallar Syedan District Rawalpindi

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

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

I. RAWALPINDI

## **3. AUTHORITIES RESPONSIBLE FOR**

### **3.1. SPONSORING AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

### **3.2. EXECUTION AGENCY**

- PRIMARY AND SECONDARY HEALTH CARE

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

- PRIMARY AND SECONDARY HEALTH CARE

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

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>Proposed Allocation:</b> 0.000
3	<b>GS No:</b> 5220
4	<b>Total Allocation:</b> 0.000
5	<b>Funds Diverted:</b> 0.000
6	<b>Balance Funds:</b> 0.000
7	<b>Comments:</b> 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 grooves 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 uninterrupted manner.

MSDS implementation is a complex procedure. Because it requires

1. Capacity building for understanding, development and continuous implementation of MSDS.
2. Ecosystem for establishing its implementation by full cooperation, collaboration, commitment of
3. Continuous monitoring
4. Continuous audit
5. Continuous training, refresher courses with purpose of reinforcement
6. Continuous quality improvement
7. Continuous 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 infectional control plan, hospital operational and



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

### **The PDSA cycle**

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

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

### **5.3.3.3 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 then 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/Matrasses
- 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

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

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Kallar Syedan District Rawalpindi is more than 0.395 million. The area of the THQ Hospital Kallar Syedan District Rawalpindi is 231,727 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 Revamping of THQ Hospital, Kallar Syedan District Rawalpindi.

Revamping of THQ Hospital Kallar Syedan District Rawalpindi 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. Originally the Civil work component of the scheme was planned to be executed by the Health Council of the concerned District Health Authority based on cost estimates prepared by the Infrastructure Wing of PMU and approved by the DDSC. Accordingly, funds of Rs.3, Rs.5 and Rs.10 million were provided during FY 2017-18 for the execution of work as per parameters provided to these THQ Hospitals. However, no reasonable revamping civil work was carried out and hence did not fulfil the requirement and the objectives of the Revamping Program. Now P&SHD has decided to carry out further revamping of Civil work through Communication and Works Department Punjab to accomplish the uniformity of THQ Hospitals with already revamped hospitals of Phase-I. Hence the Rough Cost Estimates of the Punjab Buildings Department has been included in the civil work cost of this scheme.
2. 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

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.

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 116.706 million to Rs. 37.510 million due to few changes in the scope and MRS rates (2<sup>nd</sup> Bi-annual 2022).

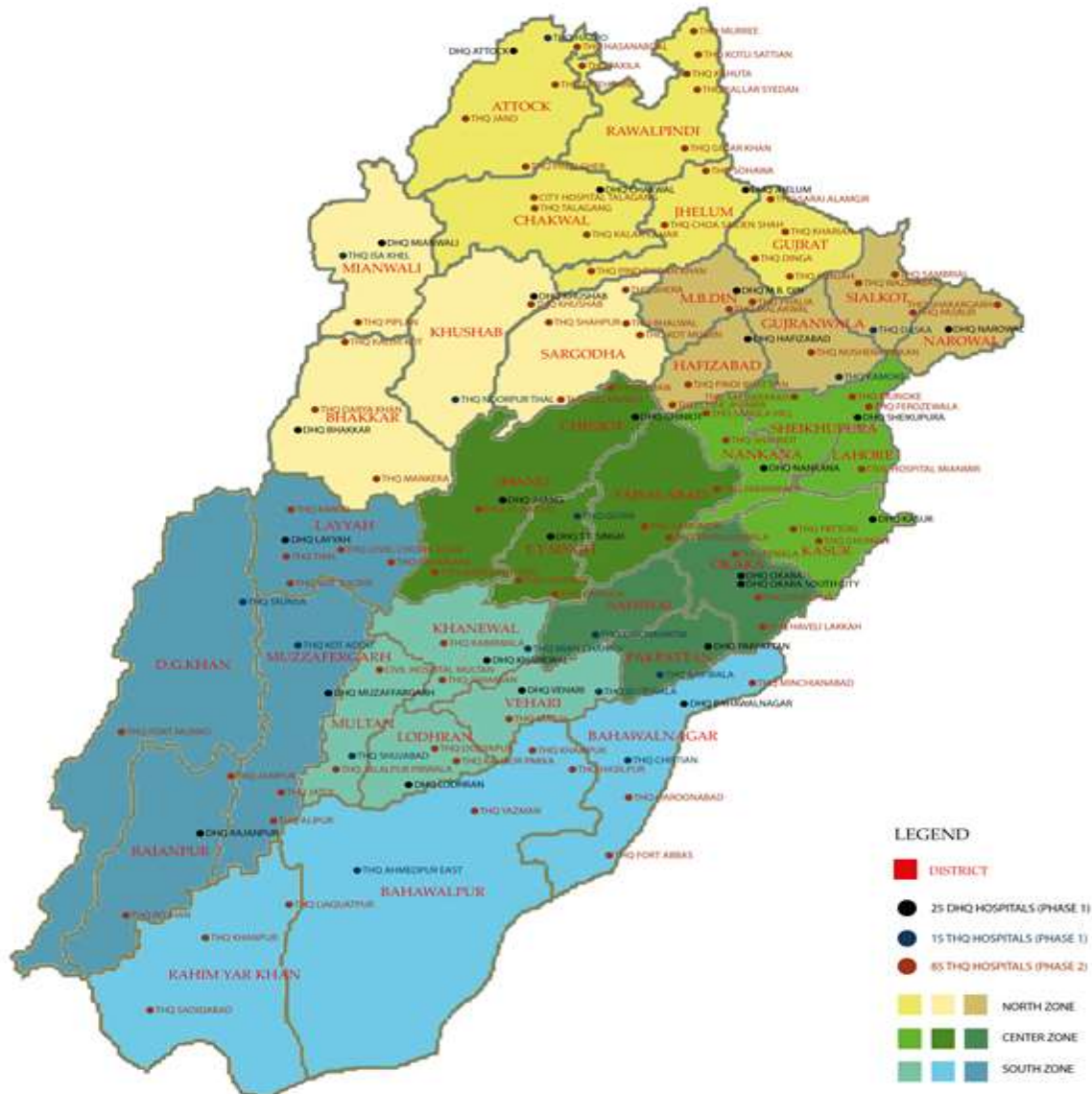
**85 THQ Hospitals covered under the Program:**

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:**LO17010544  
**A/C To be Credited:**Assan Assignment

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	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

PKR Million

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010024  
**A/C To be Credited:**Account-I

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	0.000	0.000	0.000	0.000	0.000	0.000
2	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

PKR Million

<b>Total</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
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# Abstract of Cost

Name of THQ Hospital	Kallar Syedan											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>												
Internal Development	0.000	8.801	8.801	0.000	8.801	8.801	99.743	3.000	102.743	30.380	3.000	33.380
External Development	0.000	1.311	1.311	0.000	1.311	1.311	16.963	0.000	16.963	7.130	0.000	7.130
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>15.711</b>	<b>15.711</b>	<b>0.000</b>	<b>15.711</b>	<b>15.711</b>	<b>116.706</b>	<b>3.000</b>	<b>119.706</b>	<b>37.510</b>	<b>3.000</b>	<b>40.510</b>
Emergency	0.000	34.324	34.324	0.000	34.324	34.324	0.000	48.365	48.365	0.000	80.340	80.340
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	47.292	47.292	0.000	47.292	47.292	0.000	63.308	63.308	0.000	92.992	92.992
Electricity	0.000	13.937	13.937	0.000	13.937	13.937	0.000	13.937	13.937	0.000	15.937	15.937
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	3.004	3.004	0.000	3.004	3.004	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	37.480	37.480	0.000	53.007	53.007
LC Deficit during procurement (currency fluctuation)								2.272	2.272		2.272	2.272
<b>Total Revenue component</b>	<b>0.000</b>	<b>154.043</b>	<b>154.043</b>	<b>0.000</b>	<b>154.043</b>	<b>154.043</b>	<b>0.000</b>	<b>211.105</b>	<b>211.105</b>	<b>0.000</b>	<b>302.764</b>	<b>302.764</b>
<b>Outsourcing component</b>												
Janitorial Services	0.000	10.631	10.631	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	4.833	4.833	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	3.460	3.460	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	2.072	2.072	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>33.713</b>	<b>33.713</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>203.468</b>	<b>203.468</b>	<b>0.000</b>	<b>169.803</b>	<b>169.803</b>	<b>116.706</b>	<b>214.153</b>	<b>330.859</b>	<b>37.510</b>	<b>305.812</b>	<b>343.322</b>
<b>Contingency (1%) only on Civil Component</b>	0.000	0.157	0.157	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	2.035	2.035	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	2.035	2.035	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>207.694</b>	<b>207.694</b>	<b>0.000</b>	<b>169.803</b>	<b>169.803</b>	<b>116.706</b>	<b>214.153</b>	<b>330.859</b>	<b>37.510</b>	<b>305.812</b>	<b>343.322</b>



## 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=8+S=8+E=15)			(T=8+S=8+E=15)			(T=8+S=8+E=15)			(T=8+S=8+E=15)		
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	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	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	8	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	8	15,750	126,000	8	15,750	126,000	8	30,000	240,000	8	30,000	240,000
7		Gurney WITH FOOT STEP)*(N)	3	8	420,000	3,360,000	8	420,000	3,360,000	8	460,000	3,680,000	8	800,000	6,400,000
8		Mercury B.P apparatus*(N)	2	6	33,600	201,600	6	33,600	201,600	6	36,000	216,000	6	36,000	216,000
9		Laryngoscope paed's & adult each*(N)	2	6	10,500	63,000	6	10,500	63,000	6	12,000	72,000	6	20,000	120,000
10		Diagnostic set*(N)	1	3	45,150	135,450	3	45,150	135,450	3	50,000	150,000	3	85,000	255,000
11		ECG Machine (with trolley) *(N)	1	3	169,785	509,355	3	169,785	509,355	3	180,000	540,000	3	300,000	900,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	6	125,265	751,590	6	125,265	751,590	6	215,000	1,290,000	6	300,000	1,800,000
14		SUCKER MACHINE*(N)	1	3	259,350	778,050	3	259,350	778,050	3	275,000	825,000	3	300,000	900,000
15		Resuscitation Trolley (fully equipped) *(N)	1	3	244,733	734,199	3	244,733	734,199	3	400,000	1,200,000	3	600,000	1,800,000
16		INSTRUMENT CABINET*N	1	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900	3	69,300	207,900
17		MEDICINE TROLLEY*N	1	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700	3	60,900	182,700
18	Minor O.T	O.T table WITH foot step	1	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	4	420,000	1,680,000	4	420,000	1,680,000	4	460,000	1,840,000	4	850,000	3,400,000
29		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
30		Nebulizer HD*(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
31		Center Oxygen supply*N	1	1	420,000	420,000	1	420,000	420,000	1	-	-	1	-	-
32		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
33		Defibrillator*N	1	1	302,605	302,605	1	302,605	302,605	1	650,000	650,000	1	800,000	800,000
34		Pulse- oximeter*(N)	4	4	104,000	416,000	4	104,000	416,000	4	160,000	640,000	4	225,000	900,000
35		Bedside-monitor*(N)	4	4	301,665	1,206,660	4	301,665	1,206,660	4	550,000	2,200,000	4	1,200,000	4,800,000
36		ECG MACHINE*(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
37		BP APPARATUS*N	1	1	15,750	15,750	1	15,750	15,750	1	16,000	16,000	1	16,000	16,000
38		FOOT STEP)*(N)	1	1	3,150	3,150	1	3,150	3,150	1	4,000	4,000	1	5,500	5,500
39		ATTENDANT BENCH)*(N)	1	1	5,250	5,250	1	5,250	5,250	1	8,000	8,000	1	10,000	10,000
40	7	(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	15	210,000	3,150,000	15	210,000	3,150,000	15	400,000	6,000,000	15	600,000	9,000,000
41	15	ECG machine(with trolley) *(N)	1	3	169,785	509,355	3	169,785	509,355	3	169,785	509,355	3	300,000	900,000
42	Emergency ward	Pulse- oximeter *(N)	6	13	104,000	1,352,000	13	104,000	1,352,000	13	160,000	2,080,000	13	225,000	2,925,000
43		Bedside-monitor*(N)	3	7	301,665	2,111,655	7	301,665	2,111,655	7	550,000	3,850,000	7	1,200,000	8,400,000
44		B.P apparatus wall type *(N)	6	13	26,250	341,250	13	26,250	341,250	13	30,000	390,000	13	30,000	390,000
45		Nebulizer HD *(N)	2	5	125,265	626,325	5	125,265	626,325	5	215,000	1,075,000	5	300,000	1,500,000

## Emergency Equipment

			Original				1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
46	Watu	Resuscitation Trolley (fully equipped) *(N)	1	3	237,618	712,854	3	237,618	712,854	3	400,000	1,200,000	3	600,000	1,800,000
47		Defibrillator*N	1	3	299,153	897,460	3	299,153	897,460	3	650,000	1,950,000	3	800,000	2,400,000
48		Sucker machine *(N)	2	5	259,350	1,296,750	5	259,350	1,296,750	5	275,000	1,375,000	5	300,000	1,500,000
49	Generalized	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		ambo bag paedts 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>34,324,309</b>			<b>34,324,309</b>			<b>48,364,790</b>			<b>80,339,900</b>
						34.324			34.324			48.365			80.340

## 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

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	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 Gauge	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

## Medical Equipment

Sr. No.	Area	Name of Equipment	Original					1st Revised				2nd Revised				3rd Revised			
			Yard Stick	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	1	0	449,295	-	1	0	449,295	-	1	0	550,000	-	1	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
6		Water Bath	1	1	0	60,000	-	1	0	60,000	-	1	0	157,500	-	1	0	325,000	-
7		Hot air Oven	1	1	0	210,000	-	1	0	210,000	-	1	0	385,000	-	1	0	450,000	-
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,500	364,500	1	9	45,000	405,000
10		glass wares	0	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-	1	0	105,000	-
11		Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
12	X-Rays	Static X-ray Machine	1	1	0	4,200,000	-	1	0	4,200,000	-	1	0	6,000,000	-	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	1	0	3,850,524	-	1	0	3,850,524	-	1	0	4,300,000	-	1	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15		Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-
16		Lead apron and PPE	2	2	0	52,500	-	2	0	52,500	-	2	0	60,000	-	2	0	85,000	-
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	1	0	1,371,331	-	1	0	1,500,000	-	1	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	5,500,000	5,500,000
22	CCU	ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		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
25		ECG Machine Three Channel	2	2	0	169,785	-	2	0	169,785	-	2	0	169,785	-	2	0	300,000	-
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color dopler RADIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29		Blood Cabinet	1	1	0	690,539	-	1	0	690,539	-	1	0	700,000	-	1	0	1,500,000	-
30	Blood Bank	Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
31		Slide viewer	1	1	0	42,000	-	1	0	42,000	-	1	0	55,000	-	1	0	55,000	-
32		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
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	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34	Nursery	Baby Cot	10	4	6	14,669	88,011	4	6	14,669	88,011	4	6	16,000	96,000	4	6	16,000	96,000
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	1,050,000	2,100,000
37		Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	225,000	1,350,000
38		Infant Incubator	2	0	2	858,932	1,717,864	0	2	858,932	1,717,864	0	2	900,000	1,800,000	0	2	1,750,000	3,500,000
39		Suction Pump	1		1	259,350	259,350		1	259,350	259,350		1	275,000	275,000		1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42	O.T (04)	BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
43		Defibrillator	2	1	1	308,713	308,713	1	1	308,713	308,713	1	1	650,000	650,000	1	1	800,000	800,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
46		Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	950,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	7,800,000	-
48		Suction Pump	2		2	259,350	518,700		2	259,350	518,700		2	275,000	550,000		2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	1	1	244,733	244,733	1	1	244,733	244,733	1	1	400,000	400,000	1	1	600,000	600,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	900,000	-
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-
58		Autoclave	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

## Medical Equipment

Sr. No.	Area	Name of Equipment	Original					1st Revised				2nd Revised				3rd Revised			
			Yard Stick	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
59	Gynea (20 beds)	Delivery Set	10	9	1	31,500	31,500	9	1	31,500	31,500	9	1	40,000	40,000	9	1	65,000	65,000
60		Delivery Table	2	2	0	47,250	-	2	0	47,250	-	2	0	47,250	-	2	0	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	2	0	34,650	-	2	0	34,650	-	2	0	40,000	-	2	0	60,000	-
63		Vacume 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	0	2	304,220	608,440	0	2	304,220	608,440	0	2	400,000	800,000	0	2	900,000	1,800,000
67		Baby Cot	2	4	0	14,669	-	4	0	14,669	-	4	0	16,000	-	4	0	16,000	-
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	Surgical Emergency (10 beds)	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	2	0	259,350	-	2	0	259,350	-	2	0	275,000	-	2	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	4	0	141,750	-	4	0	141,750	-	4	0	160,000	-	4	0	220,000	-
76		Stretcher	10	5	5	68,250	341,250	5	5	68,250	341,250	5	5	69,300	346,500	5	5	69,300	346,500
77		wheel chair	10	6	4	31,500	126,000	6	4	31,500	126,000	6	4	35,000	140,000	6	4	35,000	140,000
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	Others	Resuscitation trolley With Crash Cart	5	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	600,000	2,400,000
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 Gass 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	ICU	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, paedrs	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		TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	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	Dental Unit	Dental Unit	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		Autoclave	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		Dental X-RAY Machine	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		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	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		Curing lights	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		Endo motor system	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		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		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
		Total					47,292,396				47,292,396				63,307,750				92,992,138

Medical Equipment

Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	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
							47.292				47.292				63.308
															92.992

### 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	600,000	600,000	2	1,600,000	2,600,000
2	Transformers (100 KVA)	0	450,000	-	0	450,000	-	0	450,000	-	0	450,000	-
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	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
5	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-
6	2 Ton air conditioners (split)	29	55,500	1,609,500	29	55,500	1,609,500	29	55,500	1,609,500	29	55,500	1,609,500
7	2 Ton air conditioners (Cabinet)	20	78,000	1,560,000	20	78,000	1,560,000	20	78,000	1,560,000	20	78,000	1,560,000
8	4 Ton air conditioners (Cabinet)	3	120,000	360,000	3	120,000	360,000	3	120,000	360,000	3	120,000	360,000
9	Ceiling Fans 56"	150	3,090	463,500	150	3,090	463,500	150	3,090	463,500	150	3,090	463,500
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160
12	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>13,937,160</b>			<b>13,937,160</b>			<b>13,937,160</b>			<b>15,937,160</b>
				<b>13.937</b>			<b>13.937</b>			<b>13.937</b>			<b>15.937</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>7169</b>	<b>951100</b>	<b>13,503,500</b>	<b>7169</b>	<b>951100</b>	<b>13,503,500</b>	<b>7169</b>	<b>951100</b>	<b>13,503,500</b>	<b>7169</b>	<b>1288300</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	9,812	58,872	6	9,812	58,872	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	8,976	53,856	6	8,976	53,856	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	109,087	109,087	1	109,087	109,087	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,016	140,160	10	14,016	140,160	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	21,813	21,813	1	21,813	21,813	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,244	29,244	1	29,244	29,244	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,114	36,114	1	36,114	36,114	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	43,858	43,858	1	43,858	43,858	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,207	51,207	1	51,207	51,207	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,703	23,109	3	7,703	23,109	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	45,776	274,656	6	45,776	274,656	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	39,939	79,878	2	39,939	79,878	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	88,119	440,595	5	88,119	440,595	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,092	335,460	5	67,092	335,460	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	49,689	198,756	4	49,689	198,756	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,265	201,060	4	50,265	201,060	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,709	88,963	7	12,709	88,963	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,653	73,060	20	3,653	73,060	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	840	84,000	100	840	84,000	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,380	138,000	100	1,380	138,000	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,501	175,050	50	3,501	175,050	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,782	17,820	10	1,782	17,820	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,233	12,330	10	1,233	12,330	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,361	47,220	20	2,361	47,220	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,449	102,245	5	20,449	102,245	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,107	52,675	25	2,107	52,675	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	634	3,170	5	634	3,170	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,109	11,090	10	1,109	11,090	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	861	12,915	15	861	12,915	15	1,225	18,375	15	1,225	18,375
		<b>Total</b>			<b>2,916,263</b>			<b>2,916,263</b>			<b>4,146,482</b>			<b>4,146,482</b>
		Designing and Site Supervision			87,488			87,488			124,394			124,394
		<b>Grand Total</b>			<b>3,003,751</b>			<b>3,003,751</b>			<b>4,270,877</b>			<b>4,270,877</b>
					3.004			3.004			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

## DAY CARE CENTER

Yard Stick as per Women Development Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	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
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

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	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
List of others Items i.e. Kitchen, Office, Electric items				-			-			-			-
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 / Cutlery 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

## DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	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
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

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	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	HR FOR QMS and MSDS and Day Care Center																	
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>9.340</b>				<b>12.53</b>					
	<b>Total of HR Component</b>												<b>37.48</b>					<b>53.007</b>



## Janitorial Services

	Original			1st Revised	From 1st Revised to onwards
Assumptions				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 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.	
Covered area excluding residential area	25,776	sft			
Covered area assigned to one sweeper	7,500	sft			
Number of sweepers required for covered area	3	Persons			
Road and ROW area	23,936	sft			
Road and ROW assigned to one sweeper	15,000	sft			
Number of sweepers required for road and ROW area	2	Persons			
Number of washroom blocks	7	blocks			
Number of washroom block assigned to one sweeper	3	Persons			
Number of sweepers required for total washroom blocks	2	Persons			
Total sweeper in morning shift	8	Persons			
Total number of sweepers in evening shift	4	Persons			
Total number of sweepers in night shift	4	Persons			
Total number of sweepers in all shifts	16	Persons			
Number of sewer men required	3	Persons			
Number of supervisors	3	Persons			
Salary component					
Type of worker	No of workers	Salary per month	Salary for One Year		
Sweepers / Janitors	16	22,000	4,102,630		
Sewer men	3	22,000	792,000		
Supervisors	3	26,000	936,000		
Cost of Supply per Month		400,000	4,800,000		
Sub Total (Salary component)			10,630,630		

10.631

10.631

## Security and Parking

		Original		From 1st Revised to onwards	
<b>Assumptions</b>				<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 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.</p>	
Covered area excluding residences	25,776				
Covered Area per guard	15,000				
Number of guards	2				
Open area excluding parking area	23,936				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	2				
Number of gates	2				
Number of guards at gates	4				
Total No of Guard	7				
Total number of all guards for second shift	4				
Lady Searcher	2				
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	5	21,525	107,625	1,291,500	
Civilian	8	21,000	168,000	2,016,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
<b>Sub total</b>				<b>4,932,900</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>4,832,900</b>	
				<b>4.833</b>	

## Laundry Services

	Original			From 1st Revised to onwards
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 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.</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

	Original			From 1st Revised to onwards
Item Name	Quantity	Cost per year	Total Cost	<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 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.</p>
<b>Periodical Maintenance Cost</b>				
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

	Original				From 1st Revised to onwards
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<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: "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".</p> <p>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.</p>
Supervisors	1	56,420	56,420	677,040	
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	
Total (Salary component)			217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	34	6,665	226,610	226,610	
Fridge	2	4,000	8,000	8,000	
UPS	12	8,000	96,000	96,000	
Water Cooler	15	4,000	60,000	60,000	
Exhaust	7	3,000	21,000	21,000	
Geyser	15	4,000	60,000	60,000	
Water Pump	3	3,000	9,000	9,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				855,610	
General Total				3,459,610	
				3.460	

# Cafeteria

## Pre-Fabrication Cateen (Procurement)

		Original				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 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.
Sr. No.	Description of work	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	
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	
Total Amount of Platform Construction					1,225,070	
Pre-Fabrication of Canteen Structure						
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	

# Cafeteria

## Pre-Fabrication Cateen (Procurement)

		Original				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
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 Sanitory				410,000	
24	Kitching Fixtures				802,000	
	<b>Grand Total Amount (Rs)</b>				<b>6,742,856</b>	

6.743

## Medical Gases

		Original				From 1st Revised to onwards
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	<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 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.</p>
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	
	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	
Nitrous Oxide	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	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					1,304,400	

1.304



**LANDSCAPE DEVELOPMENT WORKS  
COST ESTIMATE**

		Original				From 1st Revised to onwards
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	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.
1	<b>SOFT LANDSCAPE</b>					
1.1	<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	3,857	20	77,140	
1.2	<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	34,375	34,375	
1.3	<b>GRASSING</b>					
a	<b>GRASSING (EXISTING NON MAINTANE LAWNS)</b>					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	5,290	7	37,030	
b	<b>GRASSING (NEW LAWNS)</b>					
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	6,612	11.25	74,385	
1.4	<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.					
a	Trees 18" pot 6'-7" - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	27	1,500	40,500	
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 Amestel, Pilken, Palms etc.	No's	6	270	1,620	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-	No's	3	600	1,800	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagras, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	2,404	69	165,876	
a	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	378	195	73,710	
1.6	<b>GROUND COVERS</b>					

LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE					
		Original			From 1st Revised to onwards
	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 Alternant Hera, Dianella, Iresine (Red), Hemercolis(Daylily), Duranta etc	No's	2,568	12	30,816
1.7	<b>PALMS</b>				
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer .				
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	3	3,675	11,025
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	4	1,800	7,200
1.8	<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, Ousqualus, Bombay Creeper etc.	No's	13	195	2,535
2	<b>HARD LANDSCAPE</b>				
2.1	<b>WALK WAYS</b>				
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mm as per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	529	150	79,350
2.2	<b>BENCHES</b>				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	14,698	29,396
2.3	<b>DUSTBINS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	2	27,700	55,400
2.4	<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
2.5	<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	2	3,850	7,700
2.6	<b>WATER POINTS (Injector Pump 1HP)</b>	No's	1	45,000	45,000
3	<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	13,224	7.50	99,180
4	<b>CONSTRUCTION OF PLANTERS</b>				
	<b>Large Size</b>				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	51	550	28,050
	<b>Medium Size</b>				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	7	550	3,850
	<b>Small Size</b>				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	12	550	6,600

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original				From 1st Revised to onwards
5	GAZEBO 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	
	Total Amount of - Landscaping				1,657,477	
	PRA(16%)				265,196	
	Design Consultancy				100,000	
	TPV (3%)				49,724	
	Grand Total				2,072,398	
					2.072	

PROVINCE

PUNJAB.

STATION.

RAWALPINDI.

DIVISION.

BUILDINGS  
RAWALPINDI.

DIVISION

NO.1

SUB DIVISION.

BUILDINGS SUB  
RAWALPINDI.

DIVISION

NO.1

NAME OF WORK.

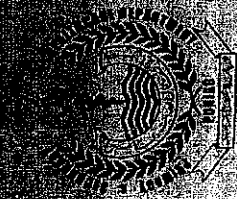
AMENDED ROUGH COST ESTIMATE FOR THE  
WORK "PROGRAMME FOR  
REVAMPING OF ALL THQ HOSPITALS  
IN PUNJAB ONE AT THQ HOSPITAL  
KALLAR SYADAN DISTRICT  
RAWALPINDI" ADP NO. 658 FOR THE  
YEAR 2022-2023

HEAD ACCOUNT.

APP AMOUNT.

Rs. 37.510 (M)





OFFICE OF THE  
CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
RAWALPINDI

Section 4 B Kharabaha Sidi Syedan, Rawalpindi.  
Phone: 051-2831885 Fax: 051-4833640 Email: [ceodhwa@pwa.gov.pk](mailto:ceodhwa@pwa.gov.pk)  
[pddhwa@pwa.gov.pk](mailto:pddhwa@pwa.gov.pk)

P&D 011/THQs/ 0146

Dated: 01/10/2022

To

The Superintending Engineer  
Building Circle No.01  
Near High Way Colony Bin Wadhai Moh.  
Rawalpindi.

Subject

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR  
AMENDMENT REVAMPING OF ALL THE HOSPITALS IN PUNJAB ONE AT THQ  
HOSPITAL KALLAR SYEDAN DISTRICT RAWALPINDI (A.D.P. NO  
658, FOR 2022-23)**

Reference your office letter vide No.5276/D dated 27.09.2022, on the  
subject cited above.

The sent Rough Cost Estimate were not requested to be prepared as  
this office is not conversant about its scope. It is, therefore, requested to send the  
Rough Cost Estimate to the concerned quarter for early processing and action.  
Return in original

CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
RAWALPINDI

P&D 011/THQs/

Copy forwarded for information:

1. The Executive Engineer Building Division No.01, Rawalpindi.

CHIEF EXECUTIVE OFFICER  
DISTRICT HEALTH AUTHORITY  
RAWALPINDI

Ph: 051-9334587  
Fax: 051-9334542



SUPERINTENDING ENGINEER  
BUILDINGS CIRCLE NO. 1  
RAWALPINDI

e.mail: [sepbcwp@gmail.com](mailto:sepbcwp@gmail.com)

To

The Chief Executive Officer,  
District Health Authority,  
Rawalpindi.

No. 5276 /D dated. 27/9 /2022

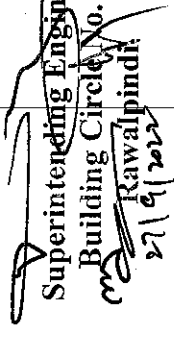
Subject:  
AMENDED

ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR  
REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ  
HOSPITAL KALLAR SYEDAN DISTRICT RAWALPINDI."  
(A.D.P NO. 658, FOR 2022-23)

Rough cost estimate amounting to Rs.37.570 M for the work cited as subject prepared by Executive Engineer Buildings Division No. 1 Rawalpindi based on plinth area rates notified vide Chief Engineer Punjab Buildings Department (North Zone) Lahore memo No. CEBNZ/1188-92/D dated 07-07-2022 & MRS 2<sup>nd</sup> Bi Annual 2022 for the period (1<sup>st</sup> July 2022 to 31<sup>st</sup> December 2022) for District Rawalpindi, is submitted herewith for arranging its administrative approval / funds.

The scheme cited as subject has been reflected in the ADP for the year 2022-23 at G.S No. 658 with indicated cost of Rs. 22060.239 M (Block) & allocation of Rs. 1300.000 M (Block).


DA/Rough cost estimate

  
Superintending Engineer  
Building Circle No. 1  
Rawalpindi  
27/9/2022

No. \_\_\_\_\_ / Dated. \_\_\_\_\_ /2022

Copy is forwarded to the Executive Engineer Buildings Division No. 1 Rawalpindi with reference to his letter No. 3132/DB, dated: 27-09-2022, for pursuance.

DA/Nil

  
Superintending Engineer  
Building Circle No. 1  
Rawalpindi



**ROUGH COST ESTIMATE FRAMED BY THE EXECUTIVE ENGINEER BUILDING DIVISION NO.1 RAWALPINDI FOR EXPENSES OF THE WORK "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI" ADP NO. 658 FOR THE YEAR 2022-2023**

**HISTORY.**

The scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" has been reflected in the ADP 2022-2023 at serial No. 658 with the estimated cost 22060.239 (M) (Block). In this regard, the PMU team visited the THQ Kallar Sayadan and scope of work discussed in detailed with the Medical Superintendent, THQ Hospital Kallar Syadan and then sent to the Executive Engineer, Buildings Division No. 1 Rawalpindi for preparation of rough cost estimate as mentioned in the scope of work letter (copy attached).

Accordingly, the rough cost estimate worth **Rs. 37.510 (M)** has been prepared and submitted for arrangements of its Administrative Approval and funds please.

**SCOPE OF WORK**

The following provision have been made in this estimate:-

1. Revamping of Main Building Admin & OPD.
2. Revamping of O.T area in Main Building.
3. Revamping of Male / Female Medical Wards on First Floor of main Building.
4. Revamping of Gynae Block.
5. Revamping of Emergency Block & Old Building.
6. External Development as mentioned in the letter like Boundary Wall, Road, Sewerage, Gate and Gate pillar etc.
7. Provision of 5000 Gln OHR.

**SPECIFICATION**

The Standard specification of Punjab Building Department will be followed for the execution of work.

**CARRYING OF WORK.**

The work shall be got carried out through the approved Contractor of Punjab Building Department after calling the competitive tenders through publicity.

**RATES.**


This Rough Cost Estimate has been framed on the basis of Plinth Area Rates 2nd BI Annual 2022 Notified Vide the Chief Engineer Punjab Building Department Lahore (NZ) No. CEBNZ/1188-92/D, dated:- 07/07/2022 for the period from 1st July 2022 to 31<sup>st</sup> Dec 2022 for Rawalpindi.

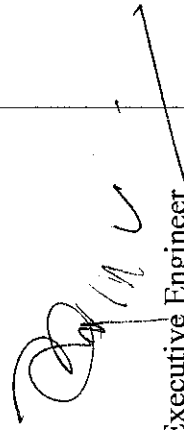
**TIME LIMIT.**

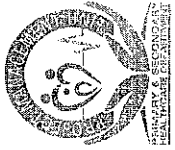
It will take about (12 Months) for the execution of the work from the date of its Commencement and availability of full funds.

**COST.**

Total Cost of Work/ estimate come to **Rs. 37.510 (M)**

  
Sub Divisional Officer  
Buildings Sub Division No.1  
Rawalpindi.

  
Executive Engineer  
Buildings Division No.1  
Rawalpindi.



## MINUTES OF MEETING

## Communication &amp; Works Department

8-1/4

Meeting Title/Project: Kick-off Meeting THQ KallarSyedan with PMU Team

Date: 15/06/2022 Time: 09:00 a.m

Location: THQ Hospital KallarSyedan

## ATTENDEES

Name	Designation
Mr. Javed Sulehria	Director Development, PMU P&SHD
Mr. Muhammad Ahsan	PM Civil, PMU P&SHD
Mr. Shahzeb Asif	PM Electrical, PMU P&SHD
Mr.	SDO (Buildings), C&W Rawalpindi
Mr.	MS THQ KallarSyedan
Mr.	Admin Officer, THQ KallarSyedan

## MINUTES

Sr. #	AGENDA ITEM	Remarks
1	<b>Meeting Agenda:</b>  1. Introduction of Teams 2. Generalized Site Decisions 3. Specified Instructions Area-wise	
2	<b>1. Introduction:</b>  Mr. Javed Sulehria, Director Development, led the kick-off meeting for THQ KallarSyedan. SDO C&W, introduced the team to PMU Health Department and brief the purpose of Visit.	
3	<b>2. Generalized Site Decision:</b>  <b>2.1 Internal Development (To be Executed in Non-Revamped Areas)</b>  <b>a. Flooring and Skirting/Dado</b> Flooring and dado should be fixed in areas where existing tiles are damaged/ broken. <b>b. Paint</b> Paint work should be done in all areas and on all doors Vinyl emulsion Ash white paint should be used on walls and Matt Enamel/Ash white on doors. <b>c. Windows</b> All damaged MS windows should be replaced with Aluminium safety grills. Windows with	

Minutes of Meeting, 15 June 2022

Page 1 of 4





## MINUTES OF MEETING

### Communication & Works Department

#### d. Doors

All damaged doors should be replaced/repainted and painted with matt ash white paint.

#### e. UPVC doors

All washrooms (used for patient/attendants) should be replaced with UPVC doors.

#### f. Seepage Mitigation

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

#### g. Water Proofing

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

#### h. Internal Electrification Works

All the internal electrical works as internal wiring, cables need to be carried out according to the requirement. Further, Internal electrical works should be carried out including

- ❖ Separate DB for ACs should be installed if not already present
- ❖ Wires and Breakers of existing DBs should be replaced as per requirement.

### 2.2 External Development

#### a. Sewerage System

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

#### b. Water Supply System

Assessment of existing water supply system and rectification required to be done as per Hospital Requirement.

#### c. Water supply system from Filtration Plant

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

#### d. Roads

Existing Road conditions need to be re-assessed prior starting execution

#### e. External Electrification Works

External Electrification works may be carried out including external 4 core cables (concealed) at all following points as per required electrical load of the hospital.

- ❖ All external cables should be laid underground in trench and should be laid in conduits at road crossings and traffic routes
- ❖ Existing space for main panels should be extended and covered with door frame of angle iron with jali
- ❖ New MDB should be installed and breakers of existing DBs should be replaced as per requirement
- ❖ Complete Earthing System including Circuit Protective Conductor for the Hospital to be provided as per



## MINUTES OF MEETING

### Communication & Works Department

5  
P-3/9

	standards.
	<ul style="list-style-type: none"><li>• <b><u>Specified Instructions Area-wise</u></b></li></ul> <p>The following specific decisions were taken for THQ KallarSyedan</p> <p><b><u>THQ KallarSyedan</u></b></p> <p><b><u>Old Building:</u></b></p> <ul style="list-style-type: none"><li>• Paint of old building is required.</li><li>• All MS Windows will be replaced with aluminium windows &amp; safety grills.</li><li>• Stainless steel corners will be fixed at edges of the tiles to protect them from damages. SS corners will be fixed with double tape only.</li><li>• Weather shield paint will be applied outside the building.</li><li>• Electric panel room will be constructed in the corridor of Old building.</li><li>• All corridors old safety grills &amp; jaali will be replaced with new safety grills &amp; double jaali.</li><li>• Admin Officer was directed to clean entire roof of the building through janitorial staff periodically to avoid blockage of rain water.</li></ul> <p><b><u>Emergency Block (New Building):</u></b></p> <ul style="list-style-type: none"><li>• Tiles in corridors are damaged. Need to replace tiles in corridors only.</li><li>• Tiles &amp; dado should be fixed in the rooms which have mosaic flooring.</li><li>• All MS Windows will be replaced with aluminium windows &amp; safety grills.</li><li>• Stainless steel corners will be fixed at edges of the tiles to protect them from damages. SS corners will be fixed with double tape only.</li><li>• Graffiti will be applied outside new building.</li><li>• Admin Officer was directed to clean-entire roof of the building through janitorial staff periodically to avoid blockage of rain water.</li></ul> <p><b><u>OPD Block:</u></b></p> <ul style="list-style-type: none"><li>• Dado is required in whole block.</li><li>• New window is required at the end of corridor to provide proper sunlight &amp; ventilation.</li></ul> <p><b><u>Male &amp; Female wards:</u></b></p> <ul style="list-style-type: none"><li>• Reduce height of nursing counter to 30" or 2.5'.</li><li>• Replace chequered tile of ramp as it is damaged at various points.</li></ul> <p><b><u>Operation Theatre:</u></b></p> <ul style="list-style-type: none"><li>• Dado in operation theatre is required.</li><li>• Anti-microbial paneling, anti-static flooring &amp; damp ceiling is required.</li></ul> <p><b><u>Gynae Block:</u></b></p> <ul style="list-style-type: none"><li>• Replace all floor of gynae block as the existing floor is uneven at various point.</li></ul> <p><b><u>External Development:</u></b></p> <ul style="list-style-type: none"><li>• Around 70' of the boundary wall is fallen &amp; required to rebuild.</li></ul>



## MINUTES OF MEETING

### Communication & Works Department


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8-4/19

	<ul style="list-style-type: none"><li>• Approx. 65' of boundary wall requires razor cut wire to be fixed.</li><li>• PCC passage is required to access the burial pit.</li><li>• 5000 gallon OHR is required for residential area.</li><li>• Admin Officer was directed to make arrangements to apply for 2" dia water supply line to local administration to meet the shortage of availability of water.</li><li>• Main gate of hospital is required to be widened.</li><li>• Some manholes require proper cover.</li><li>• Minor quantity of tuff tiles is required at some places.</li></ul>	
5	<p><b>b. <u>Priority of work</u></b></p> <p><b>4.1 <u>Priority 1</u></b></p> <p>3.1</p> <p>a. <b><u>Priority 2</u></b></p> <p>3.2</p>	

Project Manager (Electrical)    Project Manager (Civil)  
PMU, P & SHD                      PMU, P & SHD

Admin Officer                      Medical Superintendent  
THQ KallarSyedanTHQ KallarSyedan

Director Development  
PMU, P & SHD

  
Executive Engineer  
Building Division-Rawalpindi

Director Infrastructure  
PMU, P & SHD

ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR  
REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ  
HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"

ADP NO. 658 FOR THE YEAR 2022-2023

MAIN ABSTRACT OF COST

S.#	Description	Amount	Remarks
1	CLINICAL OPD BLOCK	6.630	
2	MALE AND FEMALE WARD	4.106	
3	OPERATION THEATER GROUND FLOOR	8.490	
4	GYNAE BLOCK	3.598	
5	OLD BUILDING AND EMERGENCY BLOCK	7.557	
6	EXTERNAL DEVELOPMENT	3.214	
7	COST OF OHR 5000 GLN 5000x426 =	2.130	
	<b>TOTAL</b>	<b>35.724</b>	
	<b>Add 5% PST</b>	<b>1.786</b>	
	<b>Say Rs. In (M)</b>	<b>37.510</b>	

*M. D. Durrani*  
Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi.

*M. D. Durrani*  
Executive Engineer,  
Buildings Division No.1  
Rawalpindi.

TECHNICALLY CHECKED	
For Rs.	37.510 (Million)
<i>M. D. Durrani</i> Circle Head Draftsman Buildings Circle No. 1 Rawalpindi.	<i>M. D. Durrani</i> Superintending Engineer Buildings Circle No. 1 Rawalpindi.

COMPARATIVE STATEMENT OF AMENDED ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THE HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"

ADP NO. 658 FOR THE YEAR 2022-2023

Sl	ITEM OF WORK	AS PER APPROVED ROUGH COST ESTIMATE			AS PER AMENDED ROUGH COST ESTIMATE			DIFFERENCE			REMARKS	
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	EXCESS		SAVING
1	2	3	4	5	6	7	8	9	10	11	12	13
CLINICAL BUILDING												
1	Revamping of Main Clinical Building.	1	44076810.00	P.Job	44076810							As Per PMU team visited 15/06/2022 the THQ Kallar Syed and scope of work decided and sent to the Executive Engineer Buildings Division No. Rawalpindi for preparation rough cost estimate (scope of work letter copy attached).
2	Revamping of Diagnostic, OPD & Gyne Buildings.	1	42357834.00	P.Job	42357834							
3	Cost for Heavy Electricity (a) Main Clinical Building G.F. 9600 SH (b) ----- F.F. 9600 SH (c) Diagnostic Block 4598 SH (d) Old RHC Block. 5053 SH (e) Gyne Block. 3693 SH Total 36009 SH	36009	60.00	P.SH	2160540							
	Total				88595184							
	ADD 5% EXTERNAL DEVELOPMENT EXCEPT ITEM NO.3											
	Total "A"				88595184							

F:\SDO-1 Data 2022-23 (Jawad Khan)\Labrar Sab Sub Engineer\rough cost\Revamping THQ Kallar Syadan\20.10.22\THQ Kallar Syadan.xls1

#	ITEM OF WORK	PER APPROVED ROUGH				AS PER AMENDED ROUGH				DIFFERENCE				REMARKS
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	EXCESS	SAVING			
1	2	3	4	5	6	7	8	9	10	11	12	13		
	P/L PREPOLISHED PORCELAIN TILE "Master Tiles, 24"x24" 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) Imported	2609	177.86	P.SA	464037						464037			
2	P/L PREPOLISHED PORCELAIN TILE "Master Tiles, 24"x12" 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) Imported	4181	149.89	P.SA	626690						626690			
3	P/F False ceiling (DAXIPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scatolding, carriage charges complete in all respect & as approved by the Engineer Incharge;	2609	350.00	P.SA	913150						913150			
4	P/F 1 1/2" thick OAK wood Solid door i/c Brass hinges brass towers bolt brass kick plate Brass finger plate, complete in all respect as approved by the Engineer Incharge;	591	1690.80	P.SA	999263						999263			
5	P/L Ceramic Tile Size 12"x18" Master Or Equivalent Laid Over 1:2 Cement Sand Mortar I/C Filling Of Joint With Matching Pigment Complete In All Respect As Approved/ Directed By The Engineer Incharge (For Floor)	123	100.86	P.SA	12406						12406			
6	P/L Ceramic Tile Size 12"x18" Master Or Equivalent Laid Over 1:2 Cement Sand Mortar I/C Filling Of Joint With Matching Pigment Complete In All Respect As Approved/ Directed By The Engineer Incharge (Dado)	770	71.89	P.SA	55353						55353			

ITEM OF WORK	AS PER APPROVED ROUGH					AS PER AMENDED ROUGH					DIFFERENCE			REMARKS
	Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount	EXCESS	SAVING	10-6	6-10	12	13
7	Finishing of exterior surface of walls with Travertine Coating / Cement Sand Coating the cost of all labour and Material Charges as approved by the Engineer Incharge.	6146	56.00 P.SU	344176										
8	P.F.M.S. GRILL TO WINDOWS USING 3/8" X 3/8" SQ BAR AT 90° VERTICALLY IN TWO PARTS WITH 2 NOS HORIZONTAL IRON FOR USING SLIDING OF WINDOWS 1" X 1" X 1/8" ANGLE IRON FRAME AROUND LC PAINTING 3 COATS HOLD FAST COHESIVE IN ALL RESPECT AS APPROVED/ DIRECTED BY THE ENGINEER INCHARGE	750	500.00 P.SU	375000						375000				
9	Supply and erection of Emergency LED Panel light 2'x2' i/c LED light & Driver 36 (W) (Phillips / Alpha LED Ultra Slim) or Equivalent for fixing in false ceiling and electric connection complete in all respect as approved/ directed by the Engineer Incharge	36	9500.00 Each	342000						342000				
10	S.T. of European type high speed decorated false ceiling fan 18" dia with three in one action wall / ceiling 2'x2' ceiling and direct ceiling roof model No.SCF-150-1 complete as approved and directed by the Engineer Incharge.	24	11500.00 Each	276000						276000				
11	P.T. Stainless steel corner heading angle 2"x2"x1/16" with double tape fixed with stainless steel nails i/c cutting fixing complete in all respect as approved by the Executive Engineer.	220	640.00 RN	140800						140800				
12	P.T. OAK wood gola / skirting 2"x2" i/c labour for moulding and finishing in proper shape complete with french polishing as approved by the Engineer Incharge.	870	330.00 RN	287100						287100				
13	S.E. English W.C. Porta made imported one piece i/c double seat cover full size i/c thumb complete set color IC/stone or equivalent complete in all respect as approved by the Engineer Incharge	7	35000.00 Each	245000						245000				
14	Provision of 19.0 083" four Cor Cable	90	4679.00 P.Mtr	421110						421110				

PLAN OF WORK

1	2	AS PER APPROVED ROUGH				AS PER AMENDED ROUGH				DIFFERENCE	REMARKS				
		Qty	Rate	Unit	Amount	Qty	Rate	Unit	Amount						
		3	4	5	6	7	8	9	10	11		12			
		Add 1% for free plantation													
		Add 5% PST													
		Total													
		Rs In Million													
					5363503				1786184		3577322				
					116706312				37509859		79196453				
					116706				37510		79196				
					1072301										

M. I. Sub Divisional Officer  
Buildings Sub Division No. 1  
Kawalpind

Executive Engineer,  
Buildings Division No. 1  
Kawalpind

Superintending Engineer  
Building Circle No. 1  
Kawalpind



**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL  
THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT**

**RAWALPINDI"**

**ADP NO. 658 FOR THE YEAR 2022-2023**

**(CLINICAL OPD BLOCK)**

S.#	Description	Qty	Rate	Unit	Amount
1	Removing door with chowkat.	6	448.45	Each	2,691
2	Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.	19443	2,868.55	%Sft	557,730
3	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a dhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	6910	341.95	P.Sft	2,362,875
4	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	19302	764.3	%Sft	147,526
5	Providing and applying wall putty of 2mm thickness over plastered surface (news urface) top repare the surface evenand smooth complete in all respect.	10143	376.65	%Sft	38,204
6	Preparing surface and painting with emulsion paint any type on old surface 2 coats.	19302	2065.85	%Sft	398,753
7	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	72	1,353.75	P.Sft	97,470
8	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gas ket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect.	36	494.5	P.Sft	17,802
9	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/ MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 1/2" Squar Bars	72	997.05	P.Sft	71,788
10	Painting doors and windows, any type 2 coat on old surface	4561	1694.65	%Sft	77,285
11	Painting sashes, fanlights, glazed or gauzed doors and windows:- old surface 2 coat	656	1031.2	%Sft	6,765

S.#	Description	Qty	Rate	Unit	Amount
12	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	4184	53.2	P.Sft	222,589
13	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.	120	2,340.00	Each	280,800
14	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	140	506.80	P.Sft	70952
15	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, sing approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	47	1,441.20	P.Sft	67,376
16	Removing cement or lime plaster.	6910	424.6	%Sft	29,340
17	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" (300 mm) long	5	929.50	Each	4648
18	Extra for brass fittings to doors and windows, except for hinges, which shall be of iron deodar wood panelled or panelled and glazed or fully glazed.	140	59.70	P.Sft	8358
19	Providing and laying 24 SWG aluminium kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.	40	72.00	P.Rft	2880
			<b>Total</b>		<b>4,465,829</b>
	<b>D/d cost of old material U/S</b>				
i	Cost of Old doors (U/S)	6	5000	Each	30,000
			<b>Total</b>		<b>30,000</b>
			<b>Balance Total</b>		<b>4,435,829</b>
	Add 3% Contingency		+		133,075
			<b>Total A</b>		<b>4,568,904</b>

S.#	Description	Qty	Rate	Unit	Amount
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.				
i	Electrification Portion	6824	✓ 222	P.Sft	1,514,900
ii	Heavy Electric	6824	80	P.Sft	545,910
			Total		6,629,714
			Say In (M)		6.630

*M.I. Durrani*  
 (Sub Divisional Officer,  
 Buildings Sub-Division No.1  
 Rawalpindi.

*M.I. Durrani*  
 Executive Engineer,  
 Buildings Division No.1,  
 Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"**  
**ADP NO. 658 FOR THE YEAR 2022-2023**  
**(CLINICAL OPD BLOCK)**


S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
1	Removing door with chowkat.						
	D-3	5	4.00		7.00	140	
	DW	1	5.50		8.50	47	
					Total	187	Sft
	Total Nos of Doors	6				6	
					Total	6	Nos
2	Rubbing and polishing old gri/ mosaic floor, including repairing voids, uneven surface, complete in all respects.						
	Ground Floor ENT	1	23.50	14.75		347	
	M.V	1	16.00	14.00		224	
	OPD	1	12.50	14.00		175	
	OPD	1	15.50	14.00		217	
	Admin M.S Office	1	16.00	13.50		216	
	Lobby	1	5.25	7.50		39	
	Metting	1	12.00	13.50		162	
	Office	1	16.00	14.00		224	
	I.T Office	1	12.00	13.50		162	
	Admin Office	1	9.75	13.50		132	
	Hepatitis	1	15.50	14.00		217	
	AMS	1	16.00	14.00		224	
	Dentist	1	9.00	14.00		126	
	Eye	1	15.00	14.00		210	
	Office	1	16.00	14.00		224	
	Corridor	1	144.50	8.00		1156	
	Ver	1	144.50	6.50		939	
	Stair hall	1	16.00	18.00		288	
	Open	1	14.75	14.50		214	
	Ramp Side ver	1	89.25	7.00		625	
	ENT O.T & OPD Corridor	1	9.75	18.75		183	
	Store	1	8.00	8.75		70	
	Dark	1	8.00	8.50		68	
	X-Ray	1	13.50	18.00		243	
	Pathologist Lab	1	8.00	18.25		146	
	Corridor	1	55.75	8.00		446	
	Room-II	1	10.00	13.50		135	
	Room-III	1	8.00	13.50		108	
	Room-IV	1	13.50	13.50		182	
	Room-V	1	13.50	13.50		182	
	First Floor OTS	1	91.50	48.00		4392	
	Stair hall	1	16.00	18.00		288	
	Open	1	10.00	14.25		143	
	Room	1	18.00	13.50		243	
	Room	1	18.00	13.50		243	
	Store	1	6.00	6.50		39	
	Room-I	1	18.00	13.50		243	
	Room-III	1	18.00	13.50		243	
	Store	1	7.00	6.50		46	
	Nursing Counter	1	11.25	14.75		166	
	Room	1	9.50	14.00		133	
	Room V	1	11.00	14.00		154	
	Open	1	23.00	15.50		357	
	Room VI	1	9.75	14.00		137	
	Corridor	1	80.75	8.00		646	
	Ver	1	80.75	7.75		626	
	Ver	1	22.75	14.50		330	

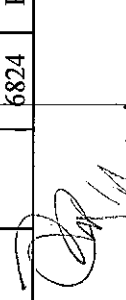
S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	Male Ward	1	44.75	35.00		1566	
	Female Ward	1	44.75	35.00		1566	
					Total	19443	Sft
3	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a dheseive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm						
	ENT	1	23.50	5.00		118	
	Admin	2	14.75	5.00		148	
	Office	2	16+14		5.00	300	
	Eye	2	15+14		5.00	290	
	Dentist	2	9+14		5.00	230	
	AMS	2	16+14		5.00	300	
	Hepatitis	2	15.5+14		5.00	295	
	M.S Office	2	16+13.5		5.00	295	
	Lobby	2	5.25+7.5		5.00	128	
	Meeting Office	2	12+13.5		5.00	255	
	Office	2	16+14		5.00	300	
	I.T Office	2	12+13.5		5.00	255	
	Admin	2	9.75+13.5		5.00	233	
	OPD M.V	2	16+14		5.00	300	
	OPD	2	12.5+14		5.00	265	
	OPD	2	12.5+14		5.00	265	
	Office	2	14+13.5		5.00	275	
	ENT	2	8+13.5		5.00	215	
	Radiologist	2	8+13.5		5.00	215	
	Open	2	14.75	5.00		148	
	Stair hall	1	16.00	5.00		80	
	Stair hall	2	18.00	5.00		180	
	Corridor	1	144.50	5.00		723	
	ENT Ver	1	144.50	5.00		723	
	Ver OPD	1	89.25	5.00		446	
	Ver OPD	2	7.00	5.00		70	
	ENT Passage	2	18.75	5.00		188	
	ENT Passage	1	9.75	5.00		49	
	Room II	2	10+13.5		5.00	235	
	Room III	4	13.5+13.5		5.00	540	
	Room III	2	8+13.5		5.00	215	
	Corridor O.T side	2	55.00	5.00		550	
					Total	8825	Sft
	D/d						
	D-3	66	4.00		5.00	1320	
	DW-1	2	12.25		5.00	123	
	D-2	2	4.75		5.00	48	
	W	30	6.00		2.08	374	
	D-4	4	2.50		5.00	50	
					Total	1915	
		8825	-	1915	=	6910	
					Total	6910	Sft
4	Scraping Ordinary distemper, oil bound distemper, or paint of wall.						
	Ent	2	23.50		11.00	517	10143
	Ent	1	14.75		11.00	162	Sft
	M.V	2	16+14		6.00	360	A
	OPD	2	12.5+14		6.00	318	
	OPD	2	15.5+14		6.00	354	
	Office	2	16+14		6.00	360	
	Eye	2	15+14		6.00	348	
	Dentist	2	9+14		6.00	276	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	AMS	2	16+14		6.00	360	
	Hepatitis	2	15.5+14		6.00	354	
	Corridor	2	146.50		6.00	1758	
	Office	2	14+13.5		6.00	330	
	Ent	2	8+13.5		6.00	258	
	Radio	2	8+13.5		6.00	258	
	Bath	6	6.25+13.5		6.00	711	
	M.S Office	2	16+13.5		6.00	354	
	Lobby	2	5.25+7.5		6.00	153	
	Bath	2	5+5.25		6.00	123	
	Metting	2	12+13.5		6.00	306	
	Office	2	16+14		6.00	360	
	I.T	2	12+13.5		6.00	306	
	Admin	2	9.75+13.5		10.50	488	
	Open	2	14.75+14.5		10.50	614	
	Stair hall	2	16+18		10.50	714	
	Ent	1	23.50	14.75		347	
	M.V	1	16.00	14.00		224	
	OPD	1	12.50	14.00		175	
	OPD	1	15.50	14.00		217	
	Office	1	16.00	14.00		224	
	Eye	1	15.00	14.00		210	
	Dentist	1	9.00	14.00		126	
	AMS	1	16.00	14.00		224	
	Hepatitis	1	15.50	14.00		217	
	Corridor	1	146.50	8.00		1172	
	Office	1	14.00	13.50		189	
	Ent	1	8.00	13.50		108	
	Radio	1	8.00	13.50		108	
	Bath	3	6.25	13.50		253	
	M.S Office	1	16.00	13.50		216	
	Lobby	1	5.25	7.50		39	
	Bath	1	5.00	5.25		26	
	Metting	1	12.00	13.50		162	
	Office	1	16.00	14.00		224	
	I.T	1	12.00	13.50		162	
	Admin	1	9.75	13.50		132	
	Open	1	14.75	14.50		214	
	Ver	1	144.50	8.00		1156	
	Ver	2	144.50	10.50		3035	
					Total	19302	Sft
5	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.						
	Same qty above item "A"					10143	
					Total	10143	%Sft
6	Preparing surface and painting with emulsion paint any type on old surface 2 coats.						
	same qty item No.4				Total	19302	%Sft
7	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.						
	OPD W-1	2	6.00			72	
					Total	72	Sft

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
8	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gas ket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect.						
	Take 50% qty item No.7	72	/	2.00		36	
					Total	36	Sft
9	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/ MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 1/2" Squar Bars						
	Same qty item No.7					72	
					Total	72	Sft
10	Painting doors and windows, any type 2 coat on old surface						
	D-1	6	5.00		7.00	210	
	D-2	2	4.75		7.00	67	
	D-3	66	4.00		7.00	1848	
	DW	2	6.00		7.00	84	
	W-1	30	4.00		6.00	720	
	W-2	64	4.00		6.00	1536	
	CW	4	4.00		6.00	96	
					Total	4561	Sft
11	Painting sashes, fanlights, glazed or gauzed doors and windows:- old surface 2 coat						
	D-1	6	5.00		2.00	60	
	D-2	2	4.75		2.00	19	
	D-3	66	4.00		2.00	528	
	DW-1	2	12.25		2.00	49	
					Total	656	Sft
12	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.						
	outer front	1	146.75		16.00	2348	
	side edge	2	12.00		16.00	384	
	side B/Wall	2	46.50		16.00	1488	
	edg Rawalpindi	2	18.00		16.00	576	
					Total	4796	
	D/d						
	W-1	15	6.00		6.00	540	
		2	6.00		6.00	72	
					Total	612	
		4796	-	612.00	=	4184	
					Total	4184	Sft
13	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.						
		120				120	
					Total	120	Nos

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
14	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood instyle and rail sunder proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	5	4.00		7.00	140	
	D-3				Total	140	Sft
15	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using deluxe section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 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, sing approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.						
	DW	1	5.50		8.50	47	
					Total	47	Sft
16	Removing cement or lime plaster.						
	Same qty item No.3					6910	
					Total	6910	Sft
17	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge. Brass 12" (300 mm) long	5				5	Nos
	D-3				Total	5	
18	Extra for brass fittings to doors and windows, except for hinges, which shall be of iron deodar wood panelled or panelled and glazed or fully glazed.						
		5	4.00		7.00	140	
					Total	140	Sft
19	Providing and laying 24 SWG aluminum kick plate 4" (100 mm) high, fixed with screws 4" (100 mm) centre to centre, on bottom rail of flush doors only of commercial ply.	10	4.00			40	
					Total	40	Sft
i	Cost of Old doors (U/S)	6				6	Each
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.						
		1	146.75	46.50		6824	
					Total	6824	
i	Electrification Portion	6824				6824	P.Sft
ii	Heavy Electric	6824				6824	P.Sft

M.I.   
Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi.

  
Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.



**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL  
THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT**

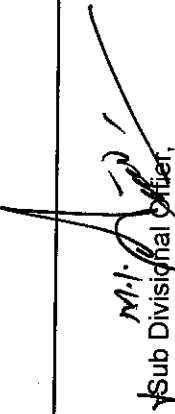
**RAWALPINDI**

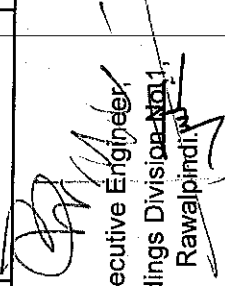
**ADP NO. 658 FOR THE YEAR 2022-2023**

**(MALE AND FEMALE WARD)**

S.#	Description	Qty	Rate	Unit	Amount
1	Dismantling cement concrete 1:2:4 plain.	9	11,209.45	%Cft	1,058
2	Dismantling brick work in lime or cement mortar.	36	4,330.90	%Cft	1,559
3	Pacca brick work in ground floor cement, sand mortar Ratio 1:4	39	36,664.60	%Cft	14,406
4	Cement plaster 1:4 upto 20' (6.00 m) height:- 1/2" (13 mm) thick	113	3289.75	%Sft	3,708
5	Providing and fixing 24" Deep Box type Ward robe consisting of 3/4" thick UV coated MDF board (Medium density Fiber board) Sheet both side glazed shutter sand box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1 mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing box type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge	19	1,250.10	P.Sft	23,439
6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)	3	540.20	P.Cft	1,857
7	Fabrication of mild steel reinforcement for cement concrete, including cuttings, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-40)	11	31,447.45	%Kg	3,310
8	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture (Spotless) with a adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona	15	413.75	P.Sft	6,206
9	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	18982	764.3	%Sft	145,082
10	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.	12750	376.65	%Sft	48,023
11	Preparing surface and painting with emulsion paint any type on old surface 2 coats.	18982	2065.65	%Sft	392,108
12	Painting doors and windows, any type 2 coat on old surface	3064	1694.65	%Sft	51,924
13	Painting sashes, fanlights, glazed or gauzed doors and windows:- old surface 2 coat	272	1031.2	%Sft	2,805

S.#	Description	Qty	Rate	Unit	Amount
14	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	6632	53.2	P.Sft	352,822
15	Cost of Roof Tretment	1	1,223,085	P.Job	1,223,085
16	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.	60	2,340.00	Each	140,400
			<b>Total</b>		<b>2,411,793</b>
	Add 3% Contingency		+		72,354
			<b>Total A</b>		<b>2,484,146</b>
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.				
i	Electrification Portion	7305	222	P.Sft	1,621,793
			<b>Total</b>		<b>4,105,940</b>
			<b>Say In (M)</b>		<b>4.106</b>

M.I.   
 Sub Divisional Officer,  
 Buildings Sub Division No.1  
 Rawalpindi.

  
 Executive Engineer,  
 Buildings Division No.1,  
 Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THE  
HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL, KALLAR SYADAN DISTRICT RAWALPINDI"  
ADP NO. 658 FOR THE YEAR 2022-2023  
(MALE AND FEMALE WARD)**

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
1	Dismantling cement concrete 1:2:4 plain.						
	Damage area Ramp	1	10.00	5.00	0.16	8	
	Male / Female Ward	1	2.00	4.50	0.16	1	
					Total	9	Cft
2	Dismantling brick work in lime or cement mortar.						
	G.F Corridor OPD	1	8.00	0.75	6.00	36	
					Total	36	Cft
3	Pacca brick work in ground floor cement, sand mortar Ratio 1:4						
	Male / Female Ward counter						
	F.F	1	7.50	0.75	2.33	13	
	W/Sill	2	2.33	0.75	2.33	8	
		1	8.00	0.75	3.00	18	
					Total	39	Cft
4	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick						
	Male & Female Ward F.F counter	2	7.50	2.33		35	
		4	2.33	2.33		22	
		2	8.00	3.50		56	
					Total	113	Sft
5	Providing and fixing 24" Deep Box type Ward robe consisting of 3/4" thick UV coated MDF board (Medium density Fiber board) Sheet both side glazed shutter sand box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1 mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing box type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge						
	Counter	1	7.50		2.50	19	
					Total	19	Sft
6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)						
	counter shelf	1	7.50	1.83	0.25	3	
					Total	3	Cft
7	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-40)						
		3	6.75	0.45	=	11	
					Total	11	Kg
8	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills, having Uniform texture (Spotless) with a dheseive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. China Verona						
		1	7.50	2.00		15	
					Total	15	Sft
9	Scraping Ordinary distemper, oil bound distemper, or paint of wall.						
	Open-I	2	14.25		11.00	314	12750
	Room	2	18+13.5		11.00	693	Sft
	Store	2	6+6.5		11.00	275	A
	Bath	2	6+6.25		11.00	270	
	Room	2	18+13.5		11.00	693	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	Room-III	2	18+13.5		11.00	693	
	Bath	4	7+5.25		5.00	245	
	Room6	2	9.75+14		11.00	523	
	Open-II	2	23+15.5		11.00	847	
	Room-5	2	11+14		11.00	550	
	Room V	2	9.5+14		11.00	517	
	N/Counter	2	11.25+14.75		11.00	572	
	Store	2	7+6.5		11.00	297	
	Bath	2	7+8.5		11.00	341	
	Corridor	2	80.75		11.00	1777	
	Corridor	2	8.00		11.00	176	
	Ward I,II	4	44.75+35		11.00	3509	
	G.Bath	2	8.25+17.5		4.00	206	
	G.Bath	2	19.75+12		4.00	254	
	Open-I	1	10.00	14.25		143	
	Room	1	18.00	13.50		243	
	Store	1	6.00	6.50		39	
	Bath	1	6.00	6.25		38	
	Room	1	18.00	13.50		243	
	Room-III	1	18.00	13.50		243	
	Bath	2	7.00	5.25		74	
	Room6	1	9.75	14.00		137	
	Open-II	1	23.00	15.50		357	
	Room-5	1	11.00	14.00		154	
	Room V	1	9.50	14.00		133	
	N/Counter	1	11.25	14.75		166	
	Store	1	7.00	6.50		46	
	Bath	1	7.00	8.50		60	
	Corridor	1	80.75	8.00		646	
	Ward I,II	2	44.75	35.00		3133	
	G.Bath	1	8.25	17.50		144	
	G.Bath	1	19.75	12.00		237	
					Total	18982	Sft
10	Providing and applying wall putty of 2mm thickness over plastered surface (news urface) top repare the surface evenand smooth complete in all respect. Same qty item No.9 "A"					12750	
					Total	12750	Sft
11	Preparing surface and painting with emulsion paint any type on old surface 2 coats. Same qty item No.9					18982	
					Total	18982	Sft
12	Painting doors and windows, any type 2 coat on old surface						
	D-1	2	10.00		7.00	140	
	D-2	8	5.00		7.00	280	
	D-3	16	4.00		7.00	448	
	D-4	4	3.00		7.00	84	
	W-1	34	6.00		6.00	1224	
	W-2	34	4.00		6.00	816	
	CW	18	2.00		2.00	72	
					Total	3064	Sft
13	Painting sashes, fanlights, glazed or gauzed doors and windows:- old surface 2 coat						
	D-1	2	10.00		2.00	40	
	D-2	8	5.00		2.00	80	
	D-3	16	4.00		2.00	128	
	D-4	4	3.00		2.00	24	
					Total	272	Sft

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
14	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.						
	Front Side	2	146.75		16.00	4696	
	Side	2	46.50		16.00	1488	
	Edge	2	18.00		16.00	576	
	Ramp	2	18.00		16.00	576	
					Total	7336	
	D/d						
	CW	8	2.00		2.00	32	
	W-2	16	4.00		6.00	384	
	W-1	8	6.00		6.00	288	
					Total	704	
		7336	-	704.00	-	6632	
					Total	6632	Sft
15	Cost of Roof Treatment						
	Detail Attached	1				1	
					Total	1	Job
16	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.						
		60				60	
					Total	60	Nos
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.						
		1	146.75	46.50		6824	
		1	18.00	91.50		1647	
					Total	8471	
	D/d						
	OTS	1	18.00	19.75		356	
		1	54.00	15.00		810	
					Total	1166	
		8471	-	1165.50	=	7305	
					Total	7305	
i	Electrification Portion	7305				7305	P.Sft

M.P. Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi.

Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.

**ROOF TREATMENT FOR MALE AND FEMALE WARD**

	Description	Nos	L	B	D	Qty	Rate	Unit	Amount
1	Dismantled of 1st Class tile roofing.								
		1	146.75	46.50		6824			
		1	18.00	91.50		1647			
					Total	8471			
	D/d								
	OTS	1	18.00	19.75		356			
		1	54.00	15.00		810			
					Total	1166			
		8471	-	1165.50	=	7305			
					Total	7305	1528.55	%Sft	111666
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4								
	Same Qty as per Item No.1								
	30% of Qty	7305	x	30%	=	2192			
		2192	x	0.167	=	366			
	Gola	1	387.00	0.50	0.50	97			
					Total	463	37004.60	%Cft	171239
3	Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick i/c Applying floating coat of cement 1/32" (0.8 mm) thick.								
	Parapit.	1	387.00	3.00		1161			
					Total	1161	5166.45	%Sft	59982
4	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (2nd Floor)								
	Same Qty as per Item No. 1								
5	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)								
		12							
					Total	12	848.40	Each	10,181
6	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized Polyvinyl Chloride) Nikasi / waste pipe make of Dadex / Popular / Beta or equivalent, plain / socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of special sand Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 41/SN-4) 4" (110 mm)								
	Rain Down pipe	12	26.00			312			
		4	13.00			52			
					Total	364	217.4	P.Rft	79,134
							Total Rs.		1301302
	<b>Deduction cost of old material</b>								
1	Cost of old rusted rain down pipe (U/S)								
	Same Qty as per Item No. 6	364							
					Total	364	10.00	P.Rft	3640
2	Cost of broken roof tiles (U/S)								
	Same Qty as per Item no. 1								
		7305	/	0.28	=	25998			
a.	60% useable	25998	x	60%	=	15599			
					Total	15599	4500.00	%oNos	70194
b.	40% as brick bats.								
		15599	x	0.40	=	6239			
		6239	x	0.28	=	1753			
		1753	x	0.125	=	219			
					Total	219	2000.00	% Cft	4383
							<b>D/D Total Rs.</b>		<b>78217</b>
							<b>Total Rs.</b>		<b>1223085</b>

*M. I. D. Javed*  
Sub Divisional Officer,  
Buildings Sub-Division No.1,  
Rawalpindi.

*Q. A. N. V.*  
Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL  
THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT**

**RAWALPINDI"**

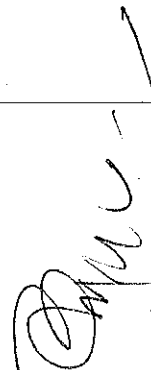
**ADP NO. 658 FOR THE YEAR 2022-2023**

**(OPERATION THEATER GROUND FLOOR)**

S.#	Description	Qty	Rate	Unit	Amount
1	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	1075	341.95	P.Sft	367,596
2	Supply and laying of antibacterial antistatic flooring with copper mesh jointless welding in same colour 2mm thick i/c labour etc (as specified in the quotation) and as approved and directed by the Engineer Incharge.	1047	516	P.Sft	540,059
3	S/E of PVC Antibacterial Wall cladding (BIOCODE UK)back stature G.I from 18 Gauge 12mm thick Gypsum board will be fixed on brick wall to apply 2mm thick anti Microbial wall oven 14to 16mm thickness, joints will be heat welded in same colour (as specified in the quotation) and as approved and directed by the Engineer Incharge.	2658	1788	P.Sft	4,751,610
4	P/F False ceiling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.	1294	350	P.Sft	452,769
5	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	5973	764.3	%Sft	45,655
6	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.	4322	376.65	%Sft	16,279
7	Preparing surface and painting with emulsion paint any type on old surface 2 coats.	5973	2065.65	%Sft	123,390
8	Painting doors and windows, any type 2 coat on old surface	528	1694.65	%Sft	8,948
9	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	2708	53.2	P.Sft	144,066
10	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.	36	2,340.00	Each	84,240
11	Removing door with chowkat.	4	448.45	Each	1,794
12	Removing cement or lime plaster.	1075	424.6	%Sft	4,564

S.#	Description	Qty	Rate	Unit	Amount
13	P/F openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hinges, tower bolt and cutting charges as approved by the Engineer incharge.	70	3000	P.Sft	210,000
			Total		6,750,969
	Add 3% Contingency		+		202,529
			Total A		6,953,498
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.				
i	Electrification Portion	5087	222	P.Sft	1,129,356
ii	Heavy Electric	5087	80	P.Sft	406,975
			Total		8,489,829
			Say In (M)		8.490

M. I. J. J. J.  
 Sub Divisional Officer,  
 Buildings Sub-Division No.1  
 Rawalpindi.

  
 Executive Engineer,  
 Buildings Division No.1,  
 Rawalpindi.





**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"**  
**ADP NO. 658 FOR THE YEAR 2022-2023**  
**(OPERATION THEATER GROUND FLOOR)**

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
1	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a dhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm						
	Room-I	2	8+13.5		5.00	215	
	Auto Clave	2	13.5+18		5.00	315	
	Lav	2	13.5+9		5.00	225	
	Corridor	2	32.75	5.00		328	
	Corridor	1	8.00	5.00		40	
	D/d				Total	1123	
	D-3	2	4.75		5.00	48	
					Total	48	
		1123	-	47.50	=	1075	
					Total	1075	Sft
2	Supply and laying of antibacterial antistatic flooring with copper mesh jointless welding in same colour 2mm thick i/c labour etc (as specified in the quotation) and as approved and directed by the Engineer Incharge.						
	O.T-I	1	20.00	18.00		360	
	O.T-II	1	12.00	18.00		216	
	O.T-III	1	15.75	13.50		213	
	Sill	3	5.00	1.00		15	
	Auto Clave	1	13.50	18.00		243	
					Total	1047	Sft
3	S/E of PVC Antibacterial Wall cladding (BIOCODE UK)back stature G.I from 18 Gauge 12mm thick Gypsum board will be fixed on brick wall to apply 2mm thick anti Microbial wall oven 14to 16mm thickness, joints will be heat welded in same colour (as specified in the quotation) and as approved and directed by the Engineer Incharge.						
	O.T	2	20+18		11.50	874	
	O.T II	2	12+18		11.50	690	
	O.T III	2	15.75+13.5		11.50	673	
	Auto Clave	2	13.5+18		11.50	725	
					Total	2961	
	D/d						
	D-1	1	5.00		9.00	45	
	D-2	1	4.75		9.00	43	
	D-3	4	4.00		9.00	144	
	W	2	6.00		6.00	72	
					Total	304	
		2961	-	303.75	=	2658	
					Total	2658	Sft
4	P/F False ceiling (DAMPA) sheet 2'x2' imported fixed with Aluminum frame (TEE & L) hanged with 10 No wire with RCC roof slab i/c cost of Hook & Scaffolding, carriage charges complete in all respect & as approved by the Engineer Incharge.						
	O.T-I	1	20.00		18.00	360	
	O.T-II	1	12.00		18.00	216	
	Auto Clave	1	13.50		18.00	243	
	O.T III	1	15.75		13.50	213	
	Corridor	1	32.75		8.00	262	
					Total	1294	Sft

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
5	Scraping Ordinary distemper, oil bound distemper, or paint of wall.						
	Ver ENT	2	18.75		6.00	225	4322
	Store	2	8+8		10.50	336	Sft
	X-Ray	2	13.5+18		10.50	662	A
	Corridor	2	55.75+8		6.00	765	
	Lav	2	7.75+13.5		6.00	255	
	Room	4	13.5+13.5		10.50	1134	
	Room-3	2	8+13.5		10.50	452	
	Room-2	2	10+13.5		10.50	494	
	Ver ENT	1	9.75	18.75		183	
	Store	1	8.00	8.50		68	
	X-Ray	1	13.50	18.00		243	
	Corridor	1	55.75	8.00		446	
	Lav	1	7.75	13.50		105	
	Room	2	13.50	13.50		365	
	Room-3	1	8.00	13.50		108	
	Room-2	1	10.00	13.50		135	
					Total	5973	Sft
6	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface even and smooth complete in all respect.						
	Same qty item No.5 "A"					4322	
					Total	4322	Sft
7	Preparing surface and painting with emulsion paint any type on old surface 2 coats.						
	Same qty item No.5					5973	
					Total	5973	Sft
8	Painting doors and windows, any type 2 coat on old surface						
	D-3	12	4.00			336	
	W	8	4.00			192	
					Total	528	Sft
9	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellent with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.						
	Back	1	91.25			1460	
	Side	2	48.75			1560	
					Total	3020	Sft
	D/d						
	W-1	2	6.00			72	
	W-2	10	4.00			240	
					Total	312	Sft
		3020	-	312.00	=	2708	
					Total	2708	Sft
10	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.						
		36				36	
					Total	36	Nos
11	Removing door with chowkat.						
		4	2.50			70	
					Total	70	Sft
	Total Numbers of Door	4					
		4				4	
					Total	4	Nos
12	Removing cement or lime plaster.						
	Same qty item No.1					1075	
					Total	1075	Sft

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
13	P/F openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hings, tower bolt and cutting charges as approved by the Engineer incharge.						
	Bath Door	4	2.50		7.00	70	
					Total	70	Sft
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.						
		1	91.25	55.75		5087	
					Total	5087	
i	Electrification Portion	5087				5087	P.Sft
ii	Heavy Electric	5087				5087	P.Sft

  
 Sub Divisional Officer,  
 Buildings Sub Division No.1  
 Rawalpindi.

  
 Executive Engineer,  
 Buildings Division No.1,  
 Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL  
THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT**

**RAWALPINDI"**

**ADP NO. 658 FOR THE YEAR 2022-2023**

**(GYNAE BLOCK)**

S.#	Description	Qty	Rate	Unit	Amount
1	Removing door with chowkat.	9	448.45	Each	4,036
2	Dismantling glazed or encaustic tiles, etc.	1816	2,391.85	%Sft	43,438
3	Dismantling cement concrete 1:2:4 plain.	426	11,209.45	%Cft	47,787
4	Dismantling cement concrete with brick aggregate.	426	3,057.10	%Cft	13,033
5	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	142	9,807.20	%Cft	13,923
6	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	68	37,004.60	%Cft	25,241
7	Providing and laying flooring with China Verona Marble having uniform texture (Spot less) of required size and specified thickness, with ahesive bond over ¾" thick bedding of (1:2) cement sand mortar i/c the cost of matching, sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge.	1705	371.7	P.Sft	633,841
8	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with ahesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	1069	341.95	P.Sft	365,374
9	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	7142	764.3	%Sft	54,585
10	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.	4371	376.65	%Sft	16,463
11	Preparing surface and painting with emulsion paint any type on old surface 2 coats.	7142	2065.65	%Sft	147,526
12	Painting doors and windows, any type 2 coat on old surface	1028	1694.65	%Sft	17,421
13	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	3102	53.2	P.Sft	165,039
14	Cost of Roof Treatment	1	516676	P.Job	516,676
15	P/F openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hinges, tower bolt and cutting charges as approved by the Engineer incharge.	158	3000	P.Sft	472,500
16	Removing cement or lime plaster.	1069	424.6	%Sft	4,537

S.#	Description	Qty	Rate	Unit	Amount
17	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.	50	2,340.00	Each	117,000
			Total		2,658,420
	<b>D/d cost of old material U/S</b>				
i	Cost of Old doors (U/S)	9	5000	Each	45,000
			Total		45,000
			Balance Total		2,613,420
	Add 3% Contingency		+		78,403
			Total A		2,691,823
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.				
i	Electrification Portion	3000	222	P.Sft	665,891
ii	Heavy Electric	3000	80	P.Sft	239,961
			Total		3,597,674
			Say In (M)		3.598

*M. I. P.*  
Sub Divisional Officer,  
Buildings Sub-Division No.1  
Rawalpindi.

*M. I. P.*  
Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THE HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"**

**ADP NO. 658 FOR THE YEAR 2022-2023**

**(GYNAE BLOCK)**

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
1	Removing door with chowkat.						
	D-4	9	2.50		7.00	158	
					Total	158	Sft
	Total Numbers	9					
		9				9	
					Total	9	Nos
2	Dismantling glazed or encaustic tiles, etc.						
	ENT hall	1	33.25	17.00		565	
	Wall	2	33.25+17		0.33	34	
	Ward	1	18.00	42.00		756	
	Wall	2	18+42		0.33	40	
	M.O Room	1	12.00	16.00		192	
	Wall	2	12+16		0.33	19	
	M.O Room	1	12.00	16.00		192	
	Wall	2	12+16		0.33	19	
					Total	1816	Sft
3	Dismantling cement concrete 1:2:4 plain.						
	ENT Hall	1	33.25	17.00	0.25	141	
	Ward	1	18.00	42.00	0.25	189	
	M.O Room	1	12.00	16.00	0.25	48	
	M.O Room	1	12.00	16.00	0.25	48	
					Total	426	Cft
4	Dismantling cement concrete with brick aggregate.						
	Same qty above item					426	
					Total	426	Cft
5	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.						
	Same qty item No.3	426	x	0.33	=	142	
					Total	142	Cft
6	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4						
	Same qty item No.3	426	x	0.16	=	68	
					Total	68	Cft
7	Providing and laying flooring with China Verona Marble having uniform texture (Spot less) of required size and specified thickness, with a dhesive bond over 3/4" thick bedding of (1:2) cement sand mortar i/c the cost of matching sealer, cutting, grinding and chemical polishing complete in all respect as approved and directed by the Engineer Incharge. 3/4" thick (12"x24"/12"x36")						
	ENT Hall	1	33.25	17.00		565	
	Ward	1	18.00	42.00		756	
	M.O Room	1	12.00	16.00		192	
	M.O Room	1	12.00	16.00		192	
					Total	1705	Sft
8	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a dhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm						
	Halls	2	33.25+17		5.00	503	
	Ward	2	18+42		5.00	600	
	M.O Room	2	10+16		0.33	17	
	M.O Room	2	12+16		0.33	19	
					Total	1139	
	D/d						

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	D-1	1	6.00		5.00	30	
	D-2	1	4.00		5.00	20	
	D-2	1	4.00		5.00	20	
					Total	70	
		1139	-	70.00	=	1069	
					Total	1069	Sft
9	Scraping Ordinary distemper, oil bound distemper, or paint of wall.						
	Groun Floor						
	Halls	2	33.25+17		5.00	503	4371 Sft
	Corridor	2	19.25+4.75		10.50	504	A
	M.O Room-I	2	10+16		5.00	260	
	Store	2	7.75+10		10.50	373	
	Bath	2	7.75+5.25		4.00	104	
	G.Bath	2	18+7.75		4.00	206	
	M.O Room-II	2	12+16		10.50	588	
	Nursury Room	2	10.75+9.5		10.50	425	
	Bath	4	5+5.75		4.00	172	
	M.O Room III	2	12+16		5.00	280	
	Labour Room	2	19.25+16		10.50	740	
	Bath	4	7.75+5.75		4.00	216	
	Halls	1	33.25	17.00		565	
	Corridor	1	19.25	4.75		91	
	M.O Room-I	1	10.00	16.00		160	
	Store	1	7.75	10.00		78	
	Bath	1	7.75	5.25		41	
	Ward	1	18.00	42.00		756	
	G.Bath	1	18.00	7.75		140	
	M.O Room-II	1	12.00	16.00		192	
	Nursury Room	1	10.75	9.50		102	
	Bath	2	5.00	5.75		58	
	M.O Room III	1	12.00	16.00		192	
	Labour Room	1	19.25	16.00		308	
	Bath	2	7.75	5.75		89	
					Total	7142	Sft
10	Providing and applying wall putty of 2mm thickness over plastered surface (news urface) top repare the surface evenand smooth complete in all respect.						
	Same qty item No.9 A					4371	
					Total	4371	Sft
11	Preparing surface and painting with emulsion paint any type on old surface 2 coats.						
	Same qty item No.9					7142	
					Total	7142	Sft
12	Painting doors and windows, any type 2 coat on old surface						
	D-1	2	6.00		7.00	84	
	D-2	2	4.00		7.00	56	
	D-3	2	3.00		7.00	42	
	W-1	8	6.00		6.00	288	
	W-2	22	4.00		6.00	528	
	W-2	2	3.00		5.00	30	
					Total	1028	Sft
13	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metalic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.						
	Front Side	1	77.25		16.00	1236	
	Front edge	1	11.00		16.00	176	
	Front edge	1	7.00		16.00	112	
	Bath outer edge	1	4.75		16.00	76	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	Residence Side	1	45.00		16.00	720	
	shed side	1	37.63		16.00	602	
	edge	2	5.63		16.00	180	
					Total	3102	Sft
14	Cost of Roof Treatment						
	Detail attached	1				1	
						1	P.Job
15	P/F operable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hinges, tower bolt and cutting charges as approved by the Engineer incharge.						
	D-4	9	2.50		7.00	158	
					Total	158	Sft
16	Removing cement or lime plaster.						
	Same qty item No. 8					1069	
					Total	1069	Sft
17	P/F 18 watt LED / SMD light round or rectangular shape best quality complete in all respect as approved by the Engineer Incharge.						
		50				50	
					Total	50	Nos
i	Cost of Old doors (U/S)	9				9	Each
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.						
	Gynae Block	1	77.25	45.00		3476	
					Total	3476	
	D/d						
	OTS	1	11.00	19.75		217	
		1	7.00	33.25		233	
		1	5.63	4.75		27	
					Total	477	
		3476	-	476.74	=	3000	
					Total	3000	
i	Electrification Portion	3000				3000	P.Sft
ii	Heavy Electric	3000				3000	P.Sft

*M.I. J*  
Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi.

*Q. M. U*  
Executive Engineer,  
Buildings Division No.1  
Rawalpindi.



## ROOF TREATMENT FOR GYNAE BLOCK

	Description	Nos	L	B	D	Qty	Rate	Unit	Amount
1	Dismantled of 1st Class tile roofing.								
	Gynae Block	1	77.25	45.00		3476			
					Total	3476			
	D/d								
	OTS	1	11.00	19.75		217			
		1	7.00	33.25		233			
		1	5.63	4.75		27			
					Total	477			
		3476	-	476.74	=	3000			
					Total	3000	1528.55	%Sft	45849
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4								
	Same Qty as per Item No.1					3000			
	30% of Qty	3000	x	30%	=	900			
		900	x	0.167	=	150			
	Gola	1	245.00	0.50	0.50	61			
					Total	212	37004.60	%Cft	78274
3	Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick i/c Applying floating coat of cement 1/32" (0.8 mm) thick.								
	Parapit.	1	245.00	3.00		735			
					Total	735	5166.45	%Sft	37973
4	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (2nd Floor)								
	Same Qty as per Item No. 1					3000			
					Total	3000	11896.72	%Sft	356843
5	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)								
		8				8			
					Total	8	848.40	Each	6,787
6	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi / waste pipe make of Dadex / Popular / Beta or equivalent, plain / socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of special sand Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 41/SN-4) 4" (110 mm)								
	Rain Down pipe	8	13.00			104			
					Total	104	217.4	P.Rft	22,610
							Total Rs.		548336
	Deduction cost of old material								
1	Cost of old rusted rain down pipe (U/S)								
	Same Qty as per Item No. 6	104				104			
					Total	104	10.00	P.Rft	1040
2	Cost of broken roof tiles (U/S)								
	Same Qty as per Item no. 1					3000			
		3000	/	0.28	=	10674			
a.	60% useable	10674	x	60%	=	6405			
					Total	6405	4500.00	%oNos	28821
b.	40% as brick bats.								
		6405	x	0.40	=	2562			
		2562	x	0.28	=	720			
		720	x	0.125	=	90			
					Total	90	2000.00	% Cft	1800
							D/D Total Rs.		31661
							Total Rs.		516676

*M. J. D.*  
Sub Divisional Officer,  
Buildings Sub Division No.1,  
Rawalpindi.

*W. M. V.*  
Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL  
THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT**

**RAWALPINDI**

**ADP NO. 658 FOR THE YEAR 2022-2023**

**(OLD BUILDING AND EMERGENCY BLOCK)**

S.#	Description	Qty	Rate	Unit	Amount
1	Removing windows and sky lights with chowkat.	32	350.45	Each	11,214
2	Removing door with chowkat.	7	448.45	Each	3,139
3	Dismantling cement concrete 1:2:4 plain.	370	11,209.45	%Cft	41,436
4	Dismantling glazed or encaustic tiles, etc.	136	2,391.85	%Sft	3,253
5	Dismantling cement concrete with brick aggregate.	370	3,057.10	%Cft	11,301
6	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	123	9,807.20	%Cft	12,072
7	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	59	37,004.60	%Cft	21,886
8	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with a adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm	1567	341.95	P.Sft	535,707
9	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm	2403	341.95	P.Sft	821,535
10	P/F of Stainless steel angle iron on corners best quality complete in all respect as approved by the Engineer Incharge.	170	832	P.Rft	141,440
11	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	710	1,353.75	P.Sft	961,163
12	Providing and fixing Aluminium Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gas ket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect.	355	494.5	P.Sft	175,548
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/ MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 1/2" Squar Bars	710	997.05	P.Sft	707,906

S.#	Description	Qty	Rate	Unit	Amount
14	P/F openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hinges, tower bolt and cutting charges as approved by the Engineer incharge.	123	3000	P.Sft	367,500
15	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	10730	764.3	%Sft	82,010
16	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.	6985	376.65	%Sft	26,309
17	Preparing surface and painting with emulsion paint any type on old surface 2 coats.	10730	2065.65	%Sft	221,647
18	Painting doors and windows, any type 2 coat on old surface	2142	1694.65	%Sft	36,303
19	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.	7115	53.2	P.Sft	378,491
20	Cost for Roof Treatment	1	889522	P.Job	889,522
21	Removing cement or lime plaster.	2403	424.6	%Sft	10,201
			<b>Total</b>		<b>5,459,583</b>
	<b>D/d cost of old material U/S</b>				
i	Cost of Old doors (U/S)	7	5000	Each	35,000
ii	Cost of Old iron windows (U/S)	32	4000	Each	128,000
			<b>Total</b>		<b>163,000</b>
			<b>Balance Total</b>		<b>5,296,583</b>
	Add 3% Contingency		+		158,897
			<b>Total A</b>		<b>5,455,481</b>
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.				
i	Electrification Portion	5014	222	P.Sft	1,113,208
ii	Public Health Portion	5014	117	P.Sft	586,691
iii	Heavy Electric	5014	80	P.Sft	401,156
			<b>Total</b>		<b>7,556,535</b>
			<b>Say In (M)</b>		<b>7.557</b>

*[Signature]*  
 Sub Divisional Officer,  
 Buildings Sub Division No.1  
 Rawalpindi.

*[Signature]*  
 Executive Engineer,  
 Buildings Division No.1,  
 Rawalpindi.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT THQ HOSPITAL KALLAR SYADAN DISTRICT RAWALPINDI"**

**ADP NO. 658 FOR THE YEAR 2022-2023**

**(OLD BUILDING AND EMERGENCY BLOCK)**

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
1	Removing windows and sky lights with chowkat.						
	W-2	16	4.00		6.00	384	
	CW-2	3	7.50		2.00	45	
	CW-3	3	5.00		2.00	30	
	CW-4	2	4.00		2.50	20	
	CW-1	1	9.00		2.00	18	
	CW-5	1	3.00		2.00	6	
	W-1	4	7.00		6.00	168	
	W-4	1	3.50		6.00	21	
	W-3	1	6.00		6.00	36	
	Total Nos of Windows	32			Total	728	Sft
		32				32	
					Total	32	Nos
2	Removing door with chowkat.						
	D-4	7	2.50		7.00	123	
	Total Nos of Doors	7			Total	123	Sft
		7				7	
					Total	7	Nos
3	Dismantling cement concrete 1:2:4 plain.						
	Store	1	5.25	6.75	0.25	9	
	Room	1	5.25	11.50	0.25	15	
	Store	1	7.75	8.25	0.25	16	
	Store	1	7.75	10.00	0.25	19	
	Medicine	1	10.25	9.00	0.25	23	
	Medicine	1	16.00	19.00	0.25	76	
	Room	1	15.50	9.00	0.25	35	
	Room	1	15.50	20.00	0.25	78	
	Store	2	5.25	11.00	0.25	29	
	Lobby	1	6.00	6.75	0.25	10	
	Room	1	15.75	9.50	0.25	37	
	Room	1	12.00	7.50	0.25	23	
					Total	370	Cft
4	Dismantling glazed or encaustic tiles, etc.						
	damages area /Columns edge	2	4.00	2.00		16	
	damages area /Columns edge	2	3.00	2.00		12	
	damages area /Columns edge	2	4.00	1.50		12	
	damages area /Columns edge	2	6.00	4.00		48	
	damages area /Columns edge	2	4.00	6.00		48	
					Total	136	Sft
5	Dismantling cement concrete with brick aggregate.						
	Same qty item No.3					370	
					Total	370	Cft
6	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.						
	Same qty item No.3	370	x	0.33	=	123	
					Total	123	Cft
7	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4						
	Same qty item No.3	370	x	0.16	=	59	
					Total	59	Cft

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	Lobby	1	6.00	6.75		41	
	Corridor	1	121.75	10.00		1218	
					Total	10730	Sft
16	Providing and applying wall putty of 2mm thickness over plastered surface (news surface) top repare the surface evenand smooth complete in all respect.						
	Same above qty item No. 15 "A"					6985	
					Total	6985	Sft
17	Preparing surface and painting with emulsion paint any type on old surface 2 coats.						
	Same above qty					10730	
					Total	10730	Sft
18	Painting doors and windows, any type 2 coat on old surface						
	D-1	8	4.00		8.50	272	
	D-2	12	3.50		8.50	357	
	D-3	2	9.00		7.00	126	
	DW	2	10.00		8.50	170	
	Grill W-2	32	4.00		6.00	768	
	CW-2	6	7.50		2.00	90	
	CW-3	6	5.00		2.00	60	
	CW-4	4	4.00		2.50	40	
	CW-1	2	9.00		2.00	36	
	CW-5	2	3.00		2.00	12	
	W-1	4	7.00		6.00	168	
	W-4	2	3.60		6.00	43	
					Total	2142	Sft
19	Preparing surface and applying Graffiato Weather Coating (Co-polymer emulsion) of approved colour & shade with weather resistant pigment, highly water repellant with Metallic Spatula having top class finish by smoothing with a plastic Spatula, on abase coat (Primer) over well cleaned plastered surface complete in all respect as approved and directed by the Engineer Incharge.						
	OPD / Emergency	2	124.50		15.00	3735	
	OPD / Emergency	2	61.58		15.00	1848	
	Inner side	1	34.33		15.00	515	
	Inner side	2	24.58		15.00	738	
	Inner side	2	27.25		15.00	818	
					Total	7653	Sft
	D/d						
	W-2	12	4.00		6.00	288	
	CW-3	8	4.00		2.50	80	
	DW-1	2	10.00		8.50	170	
					Total	538	Sft
		7653	-	538.00	=	7115	
					Total	7115	Sft
20	Cost for Roof Treatment						
		1				1	
					Total	1	Job
21	Removing cement or lime plaster.						
	Same qty item No.9					2403	
					Total	2403	Sft
i	Cost of Old doors (U/S)	7				7	Each
ii	Cost of Old iron windows (U/S)	32				32	Each
	Plinth area Rates 2nd B-1 Annual Notified By the Chief Engineer, (North Zone), Punjab Buildings Department Lhaore No. CEBNZ/1188-92/D, dated. 07/07/2022 for the period 1st July 2022 to 31st Dec 2022 for District Rawalpindi.						
	Old Building and Emergency Block	1	124.50	27.38		3408	
		1	24.63	20.63		508	
		1	34.33	17.50		601	
		1	27.25	18.25		497	
					Total	5014	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
	CW-3	3	5.00		2.00	30	
	CW-4	2	4.00		2.50	20	
	CW-1	1	9.00		2.00	18	
	CW-5	4	3.00		2.00	24	
	W-1	4	7.00		6.00	168	
	W-4	1	3.50		6.00	21	
					Total	710	Sft
12	Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer / powder coated of size 1-1/2" x 1/2" and 1.6 mm thick with rubber gas ket i/c cost of Hard wares as approved and directed by the engineer incharge. complete in all respect.						
	50% of above qty					355	
					Total	355	Sft
13	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c " passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/ MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. 1/2" Squar Bars						
	Same qty item No.11					710	
					Total	710	Sft
14	P/F openable door comprising of 3mm thick UPVC hollow profile, chowkat frame of 60mmx64mm and leaf frame 60x106mm length duly reinforced with G.I box frame inside the rod with 20mm vide panel with groves i/c the cost of hardwares hings, tower bolt and cutting charges as approved by the Engineer incharge.	7	2.50		7.00	123	
	D-4 bath Doors				Total	123	Sft
15	Scraping Ordinary distemper, oil bound distemper, or paint of wall.						
	Corridor	2	20.00	5.00		200	6985 Sft
	Store	2	5.25+5.75		6.00	132	A
	Room	2	5.25+11.5		6.00	201	
	Lobby	2	10+9		6.00	228	
	Medicine	2	10.25+9		6.00	231	
	Medicine Store	2	16+19		6.00	420	
	Medicine Store	2	16+18		6.00	408	
	Store	4	7.75+10		6.00	426	
	Fenal Ward	4	15.75+20		10.50	1502	
	Room	2	15.5+9.5		6.00	300	
	Bath	2	7.5+8.75		6.00	195	
	Bath II	2	7.25+8.75		6.00	192	
	Room	2	15.5+20		6.00	426	
	Store	4	5.25+11		6.00	390	
	Lobby	2	6+6.75		6.00	153	
	Corridor	2	121.75+10		6.00	1581	
	Corridor	1	20.00	6.00		120	
	Store	1	5.25	5.75		30	
	Room	1	5.25	11.50		60	
	Lobby	1	10.00	9.00		90	
	Medicine	1	10.25	9.00		92	
	Medicine Store	1	16.00	19.00		304	
	Medicine Store	1	16.00	19.00		304	
	Store	2	7.75	10.00		155	
	Fenal Ward	2	15.75	20.00		630	
	Room	1	15.50	9.50		147	
	Bath	1	7.50	8.75		66	
	Bath II	1	7.25	8.75		63	
	Room	1	15.50	20.00		310	
	Store	2	5.25	11.00		116	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
8	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with a adhesive / bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600mmx 600 mm						
	Store	1	5.25	6.75		35	
	Room	1	5.25	11.50		60	
	Store	1	7.75	8.25		64	
	Store	1	7.75	10.00		78	
	Medicine	1	10.25	9.00		92	
	Medicine	1	16.00	19.00		304	
	Room	1	15.50	9.00		140	
	Room	1	15.50	20.00		310	
	Store	2	5.25	11.00		116	
	Lobby	1	6.00	6.75		41	
	Room	1	15.75	9.50		150	
	Room	1	12.00	7.50		90	
	damage area	2	4.00	2.00		16	
	damage area	2	3.00	2.00		12	
	damage area	2	4.00	1.50		12	
	damage area	2	6.00	4.00		48	
				Total		1567	Sft
9	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting / dado of specified size, Color and Shade with a adhesive / bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed Tile 600mm x600 mm						
	Store	2	5.25+6.75	5.00		120	
	Room	2	5.25+11.5	5.00		168	
	Store	2	7.75+8.25	5.00		160	
	Store	2	7.75+10	5.00		178	
	Medicine	2	10.25+9	5.00		193	
	Medicine	2	16+19	5.00		350	
	Corridor damage	2	4.00	5.00		40	
	Columns	10	1.50	5.00		75	
	Corridor	2	3.00	5.00		30	
	damage	2	2.00	5.00		20	
	Room	2	15.5+9.5	5.00		250	
	Room	2	15.5+20	5.00		355	
	Store	2	5.25+8.25	5.00		135	
	Store II	2	5.25+11	5.00		163	
	Lobby	2	6+6.75	5.00		128	
	Corridor	2	4.00	5.00		40	
				Total		2403	Sft
10	P/F of Stainless steel angle iron on corners best quality complete in all respect as approved by the Engineer Incharge.						
	Corridor	34	5.00			170	
				Total		170	Rft
11	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.						
	W-2	16	4.00			384	
	CW-2	3	7.50			45	

S.#	Description	Nos	Measurements			Qty	Unit
			L	B	H		
i	Electrification Portion	5014				5014	P.Sft
ii	Public Health Portion	5014				5014	P.Sft
iii	Heavy Electric	5014				5014	P.Sft

*M.L.*  
Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi.

Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.



## ROOF TREATMENT FOR OLD BUILDING AND EMERGENCY BLOCK

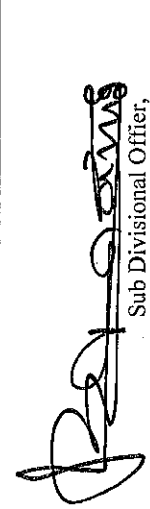
	Description	Nos	L	B	D	Qty	Rate	Unit	Amount
1	Dismentled of 1st Class tile roofing.								
	OPD Block	1	124.50	27.38		3409			
	Emergency Block	1	34.33	17.50		601			
	Emergency Block	1	24.63	20.63		508			
	Emergency Block	1	27.25	18.25		497			
		Total				5015	1528.55	%Sft	76658
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 2: 4								
	Same Qty as per Item No.1								
	30% of Qty	5015	x	30%	=	1505			
		1505	x	0.167	=	251			
	Gola	1	533.00	0.50	0.50	133			
		Total				385	37004.60	%Cft	142285
3	Cement plaster 1:4 upto 20' (6.00 m) height 1/2" (13 mm) thick i/c Applying floating coat of cement 1/32" (0.8 mm) thick.								
	Parapit.	1	533.00	3.00		1599			
		Total				1599	5166.45	%Sft	82612
4	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhooosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (2nd Floor)								
	Same Qty as per Item No. 1					5015			
		Total				5015	11896.72	%Sft	596629
5	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	12				12			
		Total				12	848.40	Each	10,181
6	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi / waste pipe make of Dadex / Popular / Beta or equivalent, plain / socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of special sand Solvents complete in all respect as approved and directed by the Engineer Incharge. Type (SDR 41/SN-4) 4"(110 mm)								
	Rain Down pipe	12	13.00			156			
		Total				156	217.4	P Rft	33,914
							Total Rs.		942278
	<b>Deduction cost of old material</b>								
1	Cost of old rusted rain down pipe (U/S)								
	Same Qty as per Item No. 6	156				156			
		Total				156	10.00	P Rft	1560
2	Cost of broken roof tiles (U/S)								
	Same Qty as per Item no. 1					5015			
a.	60% useable	5015	/	0.28	=	17847			
		17847	x	60%	=	10708			
		Total				10708	4500.00	%oNos	48188
b.	40% as brick bats.								
		10708	x	0.40	=	4283			
		4283	x	0.28	=	1204			
		1204	x	0.125	=	150			
		Total				150	2000.00	% Cft	3009
							D/D Total Rs.		52757
							Total Rs.		889522

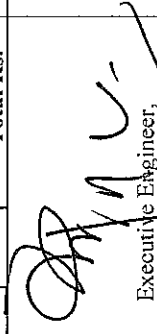
M. J. J. J.  
Sub Divisional Officer,  
Buildings Sub Division No. 1,  
Rawalpindi.

Executive Engineer,  
Buildings Division No. 1,  
Rawalpindi.

**EXTERNAL DEVELOPMENT**

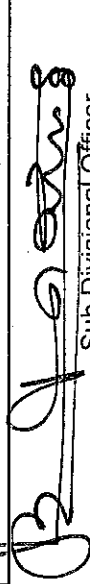
	Description	Nos	L	E	D	Qty	Rate	Unit	Amount
1	Dismantling brick work in lime or cement mortar.								
	Gate and Gate Pillar	2x2	2.75+2.75	0.38	8.00	66			
					Total	66	4330.90	%Cft	2858
2	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.								
	Gate and Gate Pillar	2	2.00	2.00	9.50	76			
					Total	76	18342.70	%Cft	13940
3	Removing door with chowkat.								
	1x12x6=72 Sft	1				1			
					Total	1	448.45	Each	448
4	P/F of Gate and Gate Pillar (Detail Attached)								
		1				1			
					Total	1	729000	P.Job	729000
5	Cost of Sewerage System (Detail Attached)								
		1				1			
					Total	1	989705	P.Job	989705
6	Cost for Boundary Wall 9" thick 8'-0" high.								
	Plinth Area Rates 2nd B-I Annual 2022 Notified								
	Vide the Chief Engineer (N.Z) Punjab Building								
	Department Lahore No.CEBNZ/1188-92/D,								
	dated:-07/07/2022 for the period from								
	1st July 2022 to 31st Dec 2022 for Rawalpindi								
	B/Wall	170				170			
					Total	170	7660.00	P.Rft	1302200
7	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick ( 22mmx15 mm barbs) spaced @ 33 mm c/c clad over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1 1/2"x1 1/2"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. 24 " diameter								
	on new Construction B/Wall	170				170			
	damaged portion of existing B/Wall	200				200			
					Total	370	544.30	P.Rft	201391
							Total Rs.		3239543
	<b>Deduction cost of old material</b>								
1	Cost of Iron Gate 12'x6' (rasted)								
		72				72			
					Total	72	300.00	P.Sft	21600
2	Cost of Bricks as bats								
	Same Qty as per Item no. 1					66			
					Total	66	6000.00	%Nos	3960
							D/D Total Rs.		25560
							Total Rs.		3213983

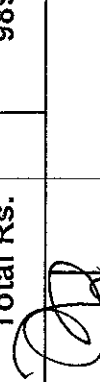
  
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Buildings Sub Division No.1,  
Rawalpindi.

  
Executive Engineer,  
Buildings Division No.1,  
Rawalpindi.

EXTERNAL DEVELOPMENTGENERAL ABSTRACT OF COST

S.No	Description	Qty	Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	2106	10,712.60	%oCft	22,561
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 4: 8	54	27,697.40	%Cft	14,942
3	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1: 2: 4).	54	540.20	P.Cft	29,142
4	Fabrication of M.S reinforcement i/c cutting bending binding laying in position making joints and fastenings including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- b- deformed bars	165	31,447.45	% Kgs	51,988
5	Pacca brick work other than building upto 10ft. (3 m) height cement, sand mortar Ratio 1:4	243	35,561.90	%Cft	86,415
6	1/2"thick (1:4) c/s plaster upto 20' high on walls.	312	3,289.75	%Sft	10,264
7	P/C of RCC pipe 9" dia moulded with cement concrete 1:1 1/2:3 with spigot collar complete in all respect as approved/ directed by the Engineer Incharge	190	529.90	P.Rft	100,681
8	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" i/d (75 mm) 4.05mm thick	300	1,084.40	P.Rft	325,320
9	---do--- 1.5"	680	469.95	P.Rft	319,566
			<b>Total Rs.</b>		<b>960,879</b>
			<b>Add 3% Contingency</b>		<b>28,826</b>
			<b>Total Rs.</b>		<b>989,705</b>

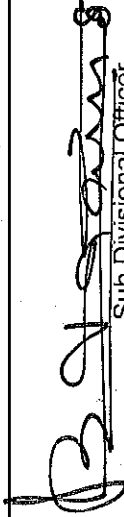
  
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Rawalpindi.

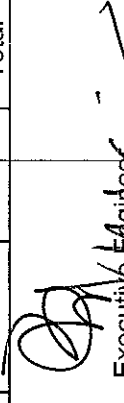
  
Executive Engineer  
Buildings Division No. 1  
Rawalpindi.

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EXTERNAL DEVELOPMENT

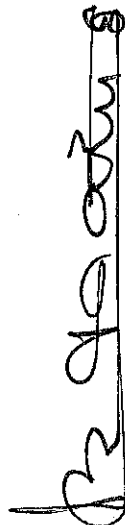
S.No	Description	Nos	Length	Breadth	Depth	Qty
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.					
	for sewer line	1	180.00	3.00	3.00	1620
	manhole	8	4.50	4.50	3.00	486
					Total	2106
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1: 4: 8					
		8	4.50	4.50	0.33	54
					Total	54
3	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1: 2: 4).					
		8	4.50	4.50	0.333	54
					Total	54
4	Fabrication of M.S reinforcement i/c cutting bending binding laying in position making joints and fastenings including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- b- deformad bars					
			Qty as per above item.			54
		54	6.75	0.454	=	165
					Total	165
5	Pacca brick work other than building upto 10ft. (3 m) height cement, sand mortar Ratio 1:4					
	Main hole	8 x 2	4.50+2.50	0.75	3.00	243
					Total	243
6	1/2"thick (1:4) c/s plaster upto 20' high on walls.					
	Main hole	8 x 2	4+2.5	3.00		312
					Total	312
7	P/C of RCC pipe 9" dia moulded with cement concete 1:1 1/2:3 with spigot collar complete in all respect as approved/ directed by the Engineer Incharge					
		1	190.00			190
					Total	190
8	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" i/d (75 mm) 4.05mm thick					
	OHR to UGT tank	300				300
					Total	300
9	---do--- 1.5"					
	UGT tank to Buildings	680				680
					Total	680

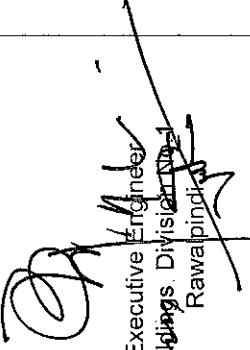
  
 Sub Divisional Officer  
 Buildings Sub Division No.1  
 Rawalpindi.

  
 Executive Engineer,  
 Buildings Division No.1  
 Rawalpindi.

## GATE AND GATE PILLERS

S.No	Description	Measurement			Qty	Rate	Unit	Amount
		Nos	Length	Breadth				
1	Excavation in foundation of buildings bridges and other structures including dag belling, dressing and refilling around structure with excavated earth 5'. In ordinary soil							
	Gate Pillers	3	4	4	168			
	<b>Total</b>				168	10712.6	%Cft	1800
2	Cement concrete brick or stone ballast 1.5" to 2" gauge in F&P ratio 1:4:8							
	Gate Pillers	3	4	4	24			
	<b>Total</b>				24	25296.2	%Cft	6071
3	Reinforced cement concrete in slab of rafts, strip foundation, base slab of columns and retaining walls and other structural members not requiring form work Ratio 1:2:4							
	Gate Pillers base	3	4	4	36			
	Pillers	3	2	2	156			
	<b>Total</b>				192	441.05	P.Cft	84682
4	Fabrication of mild steel reinforcement including cutting, bending, binding and laying in position making joints and fastening including cost of binding wire and labour charges for binding of steel reinforcement also includes removal of rust from bars Deformed bars. Grade 40							
	Take Qty of above item ie	192	6.75	0.454	192			
					588	31447.45	%Kg	185032
5	Pucca brick work other than building cement sand mortar 1:3							
	Gate Pillers	6	2.25	0.375	66			
		6	1.5	0.375	44			
	<b>Total</b>				110	36992.94	%Cft	40577
7	P/F iron grated doors comprising of 2-1/2"x2-1/2"x3/8" angle iron chowkat 2"x2"x3/8" angle iron frame and with 3/4" square bar at 4" center to center penetrate through punch holes of 2-nos 2"x3/8" MS flat horizontal bracings i/c cost of gusses plates of 3/8" MS sheet, hinges, MS Sliding Bolts and three coats of painting complete in all respect as approved and directed by the Engineer incharge.							
	Main gates	1	16		128			
		1	4		32			
	<b>Total</b>				160	2379.1	P.Sft	380656
8	Painting on new surface. Painting doors and windows any type. 3 coats							
	Main Gate	2	16		256			
		2	4		64			
	<b>Total</b>				320	2770.7	%Sft	8866
	<b>Total</b>							707683
	<b>Add 3% Contingency</b>							21230
	<b>Total</b>							728914
	<b>Say Rs.</b>							729000

  
 Sub Divisional Officer  
 Buildings Sub Division No.1  
 Rawalpindi

  
 Executive Engineer  
 Buildings Division No.1  
 Rawalpindi

## DETAIL FOR CONSTRUCTION OF OVER HEAD RESERVIOR 5000 GLNS CAPACITY

S.No	Description	Nos	Length	Breath	Depth	Qty	Unit	Amount
1	Excavation in foundation of Buildings briges and other structures including dag belling, dressing and refilling around structure in ordinary soil.							
	Tank	1	12	12	5	720		
	Toe ealls for P/Protection	2	17.75	1.5	2	107		
		2	14.75	1.5	2	89		
					Total	916		
						10712.6	%Cft	9813
2	Cement concrete brick or stone plaster 1.1/2" to 2" gauge in foundation and plinth ratio 1:4:8.							
	Tank	1	12	12	0.5	72		
					Total	72		
						25296.2	%Cft	18213
3	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a) (i)&(ii) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)							
	Tank Raft	1	12	12	1	144		
	Foundation beams	2	12	1	1.5	36		
		2	10	1	1.5	30		
					Total	210		
						441.05	P.Cft	92620.5
4	Pucca Brick work in foundation and plinth cement sand mortar 1:6							
	Toe walls for P/protection	2	17	0.75	2	51		
		2	15.5	0.75	2	47		
					Total	98		
						32778.85	%Cft	32123
5	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)							
	Columns	4	1	1	35	140		
	Beams	12	9	1	1	108		
	slab of tank	1	11	11	0.67	81		
	walls of tanks	2	11	0.5	9	99		
		2	10	0.5	9	90		
	roof slab of tank	1	11	11	0.42	51		
					Total	569		
						540.2	P.Cft	307374

S.No	Description	Nos	Length	Breath	Depth	Qty	Unit	Amount
6	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-40)							
	Qty of item No.3					210		
	Qty of items no.6					569		
	<b>Total</b>					<b>779</b>		
	779x8x0.454=2829 Kg					31447.45	%Kg	889648
7	P/L watering and ramming earth under floor with surplus earth from foundation lead upto one chain							
	Take 2/3 earth of item No.1 i/e 827/22/3=551 Cft					5107.85	%Cft	2814
8	Supply and filling sand under floor or plugging in wells							
	Floor	1	15.5	15.5	0.33	79		
						2944.6	%Cft	2326
9	P/L watering and ramming brck ballst mixed with 25% sand for floor foundation.							
	Floor	1	15.5	15.5	0.33	79		
						9807.2	%Cft	7748
10	P/L topping of cement concrete 1:2:4 i/c surface finishing and dividing in pannels 1.5" thick							
		1	17	17		289		
						7034.15	%\$ft	20329
11	Providing and laying marble strips for dividing the floor into pannels size 1.5"x3/8"							
	Take 50% qty. item No.9 i/e 289x50/100=145 Rft					145		
						19.8	Rft	2871
12	Mosaic dado or skirting with one part of cement and marbel powder in the ratio 3:1 and two parts of marble chips laid over 1/2" thick cement plaster 1:3 without rubbing and polishing complete with finishing using grey cement 1/2" thick.							
	inside tank bed	1	10	10		100		
	sides	4	10		9	360		
					<b>Total</b>	<b>460</b>		
						21441.1	%\$ft	98629
13	Cement plaster 1:4 upto 20' height 1/2" thick							
	faces of P/protection	4	17		1	68		
						3289.75	%\$ft	2237
14	P/F Terrace railing of 2" i/c conduit pipe 16-SWG welded with 5/8"x5/8" sq.bars b2.75 high fixed at 5" C/C in RCC with suitable arrangement.							

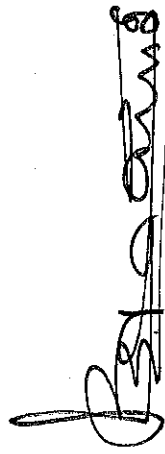
S.No	Description	Nos	Length	Breath	Depth	Qty	Unit	Amount
	Top of tank	4	11			44		
	Along stair	2	42			84		
					Total	128		
						1599.1	P.Rft	204685
15	Fabrication of heavy steel work with angle tee, flat iron including erection in position angle iron 2"x2"x1/4" for stair / ladder 2x46'=92 Rft							
	92 Rft @1.44 Kg/Rft=132 Kgs.					132		
	Flat iron 2"x1/4" for steps							
	1x56x2' for steps							
	1x56x2'=112 Rft							
	112 Rft@0.771 Kg/ Rft =86 Kgs					86		
					Total	218		
						33878.25	%Kg	73855
16	Painting on new surface. Painting guard bars. Gate of iron bars. Grating and railing 3-coats.							
	Terrace railing top of tank	8	11			242		
	stair railing	4	42			462		
					Total	704		
						1835.85	%Sft	12924
17	Providing and fixing guage with suitable arrangement of approved quality as directed by the Engineer Incharge	1				1		
						30000	P.Job	30000
18	Providing and laying G.I pipe heavy quality 3" dia							
		1	100			100		
						1084.4	Each	108440
19	P/F C.I. Manhole cover 24" dia.	1				1		
						2055.65	Each	2056
20	Providing and fixing sluice valve of B.S.S. quality and weight, Class 'B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material) 4" dia							
						2	Nos.	
					@	18404.75	Each	36810
21	P/F Stair with angle iron 1.5"x1.5"x1/4"x3/4" guage 1.5" wide G.I pipe railing 1"x3/4" dia							
						70	Rft	
					@	1050	P.Rft	73500
22	P/F Cost iron bell mouth placed at time of slab.							
						4	Nos.	
					@	7000.00	Each	28000

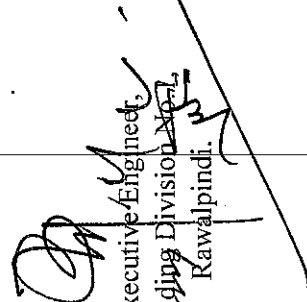


S.No	Description	Nos	Length	Breath	Depth	Qty	Unit	Amount
23	Providing and embedding 10" wide 1/4" thick rubber water stopper in expansion joint of RCC roof slab complete in all respect.							
	Between base slab and wall	4	10.5			42		
						282.9	P.Rft	11881.8

**Total** 2068897  
**Add 3% Contingency** 62067  
**Total** 2130964

2130964    426.193    P.Gln  
5000

  
 Sub Divisional Officer,  
 Building Sub Division No.1  
 Rawalpindi.

Say Rs.    426.00  
  
 Executive Engineer,  
 Building Division No.1  
 Rawalpindi.

ANALYSIS OF RATE


P/F of 18 Watt LED Lights best Quality as approved by the Engineer Incharge.

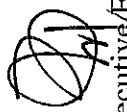
1st July-2022 to 31st Dec 2022

S.No.	Description	Quantity	Rate	Unit	Amount
-------	-------------	----------	------	------	--------

1	Cost of 18 Watt LED Lights best Quality	1	Nos.	1900	Each	1900
2	Cost of Labour	1	L.S	70	Each	70

Total 1970  
Add 20% contractor profit 394  
Total 2364  
Say Rs. 2340

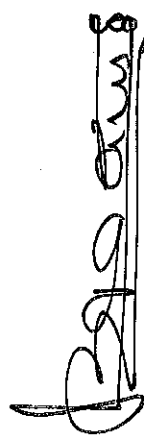
  
Sub Divisional Officer  
Buildings Sub Division No.1  
Rawalpindi

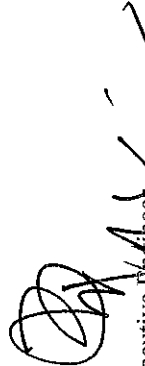
  
Executive Engineer  
Buildings Division No.1  
Rawalpindi

### ANALYSIS OF RATE

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

1st July 2022 to 31st Dec 2022					Unit Rate P.Sft	
Sr. No	Detail	Qty	Unit	Rate	Amount	
<b>A. MATERIAL</b>						
1	DAMPA False ceiling 2'x2' i/c wire	100				
	Add: 5% Wastage	5				
	Total	105	Each	235	24675.00	
2	Aluminum Tee 1"x1/16"					
	2x6x10	120				
	Add: 5% Wastage	6				
	Total	126	Each	18	2268.00	
3	Cost of Rawal plug (1 No) for 1 Sft	8	P.Dozen	30	240.00	
4	Cost of Screw 1 1/4" size	8	P.Dozen	40	320.00	
5	1/8" dia Rod 5' long 1 for 2Sft					
	50x5 = 252					
	225x 0.41x0.454 = 4.25	4.25	P.Kgs	42	178.50	
			Total "A"		27682	
<b>B. LABOUR</b>						
1	Labour for fixing of frame i/c hanging wire upto 20' high	100	P.Sft	15	1500.00	
2	Carriage of Material from factory to site			L.S	300.00	
			Total		1800.00	
	Add: 10% Sundries.				180.00	
			Total "B"		1980.00	
			Total A + B		29661.50	
	Add: 20% Contractor Profit & O.H Charges				5932.30	
			Total		35593.80	
	Rate P.Sft	35593.80	\	100	355.94	
			Say Rs. P.Sft		350/-	

  
 Sub Divisional Officer  
 Buildings Sub Division No.I  
 Rawalpindi.

  
 Executive Engineer  
 Buildings Division  
 Rawalpindi.

**MarFlex**  
PLASTIC INDUSTRY

THE SOLUTION TO YOUR SPACES

**Qoutation**

Attn: Ibrar Qaiser

Project:THQ Hospital Rawalpindi

Date: 2-07-2022

Sr.#	Product Specifications	Unit of Measurement	Unit Price	Quantity	Total Amount
1	Marflex Pvc Antibacterial Wall Cladding Approved by (BIOCODE UK ) Back stature GI Frame 18G 12 mm Gypsum board will be fixed on brick wall to apply 2 mm thick anti microbial wall Overall 14 to 16 mm thickness. Joint will be heat welded in same color. wall sheet	sqft	1490	-	-
2	Lead Sheet Paneling In theater Size:8x4 Thickness:1.5mm With labour	sqft	850	-	-
3	Marflex Antibacterial Antistatic flooring with copper mash jointless welding Same colour Thickness :2mm With Labour	sqft	430	-	-
Total Amount					-

## Terms & Conditions

- 1) Applicable Taxes will be extra.
- 2) Work will resume after advance payment.
- 3) Payments terms will be 70% advance, 20% on material delivery and 10% on site complete.
- 4) Goods once ordered cannot be changed.
- 5) Material delivery 5-7 days.
- 6) Transportation and labor accommodation will be on customer end.
- 7) 5% wastage will be on customer end.
- 8) Floor even Requires
- 9) This quotation is only valid for 15 days.

Shoaib Malik  
Director Sales &  
Marketing  
03214431189

MARFLEX PLASTIC INDUSTRY

Partner

For any enquiry, reach out via email at [projects@themarflexgroup.com](mailto:projects@themarflexgroup.com) or call on +92 3214431189

1. Anti bacterial wall cladding

R = 1490/-

Add 20% Contractor Profit (+) = 298/-

Total R = 1788/- P. 5/4.

2. Anti bacterial Antistatic flooring 2 months.

R = 430/-

Add 20% Contractor Profit (+) = 86/-

Total R = 516/- P. 8/4

Executive Engineer  
Buildings Division No.1  
Rawalpindi

Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi

SITE PLAN FOR THQ HOSPITAL KALLAR SYEDAN AT RAWALPINDI

Sub Divisional Officer,  
Buildings Sub Division No.1  
Rawalpindi

Executive Engineer  
Buildings Division No.1  
Rawalpindi



GROUND FLOOR PLAN OPD ADMIN & O.T

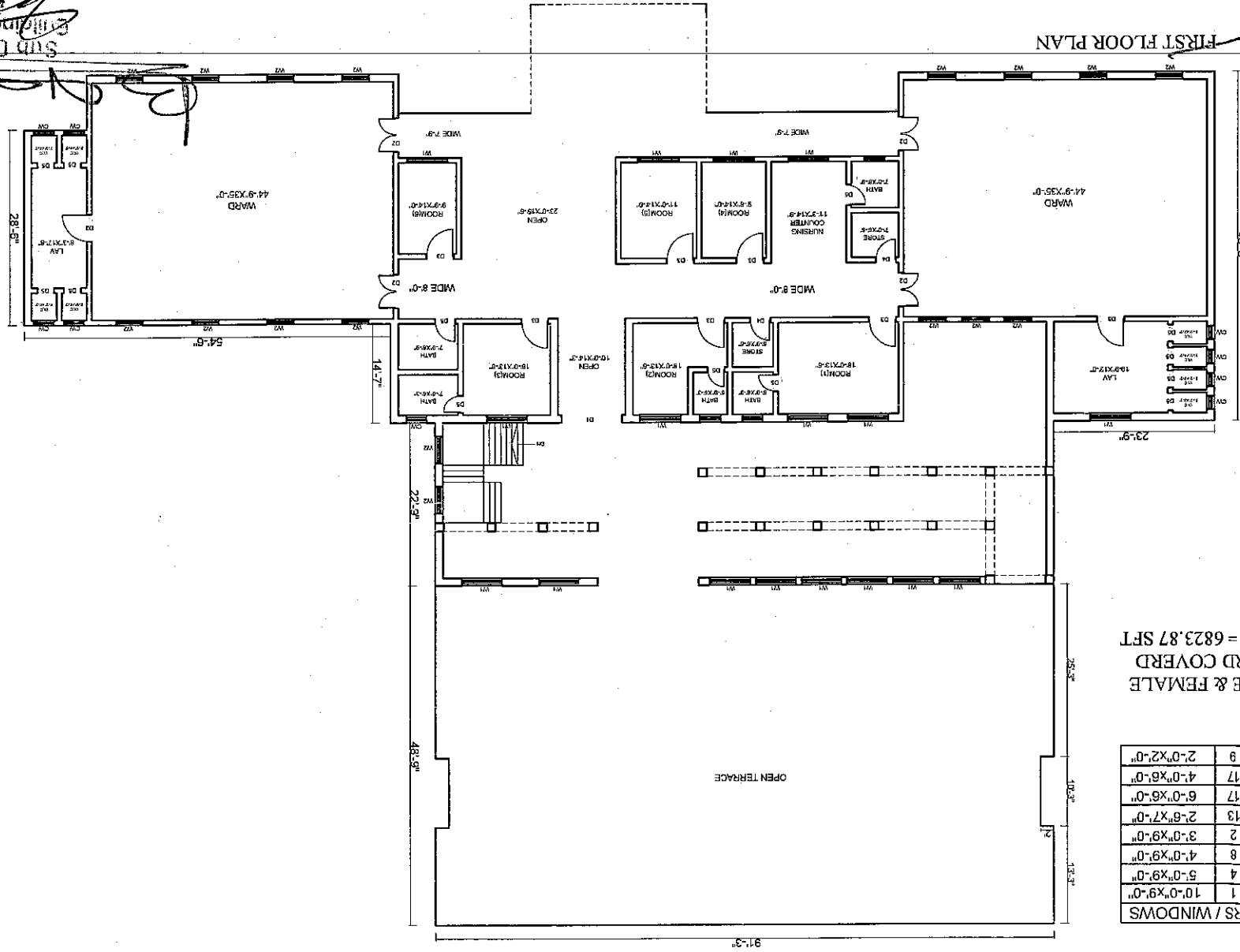
OPD & ADMIN COVERED  
AREA = 6823.87 SFT

O.T COVERED  
AREA = 4461.00  
SFT

DOORS / WINDOWS	
D1	3
D2	1
D3	33
D4	7
DW	1
W1	15
W2	32
CW	2
4'-0"X2'-0"	

DOORS / WINDOWS		D1	D2	D3	D4	D5	W1	W2	CW
		10'-0"X9'-0"	5'-0"X9'-0"	4'-0"X9'-0"	3'-0"X9'-0"	2'-6"X7'-0"	6'-0"X6'-0"	4'-0"X6'-0"	2'-0"X2'-0"
		1	4	8	2	13	17	17	9

MALE & FEMALE  
WARD COVERED  
AREA = 6823.87 SFT



FIRST FLOOR PLAN

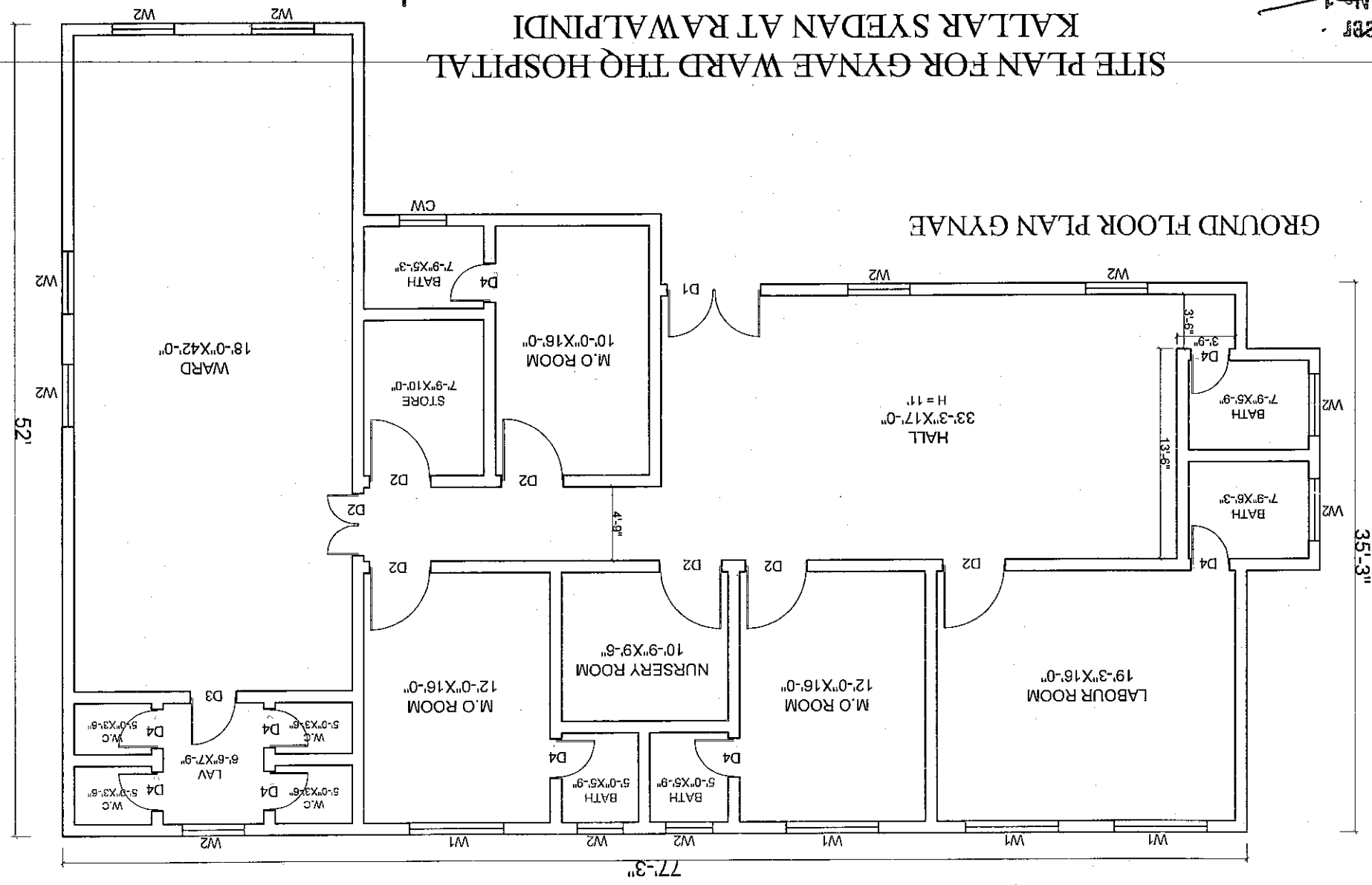
# SITE PLAN FOR THE HOSPITAL KALLAR SYEDAN AT RAWALPINDI

Sub Divisional Officer,  
Buildings Sub Division No. 1  
Rawalpindi

Executive Engineer  
Buildings Division No. 1  
Rawalpindi

DOORS / WINDOWS		D1	D2	D3	D4	W1	W2	CW
		6'-0"x9'-0"	4'-0"x9'-0"	3'-0"x9'-0"	2'-6"x7'-0"	6'-0"x6'-0"	4'-0"x6'-0"	3'-0"x5'-0"
		1	7	1	9	4	11	1

GYNAE COVERD  
AREA = 3005.00  
SFT



SITE PLAN FOR GYNAE WARD THQ HOSPITAL  
KALLAR SYEDAN AT RAWALPINDI

Executive Engineer  
Buildings Division No.1  
Rawalpindi

Sub Divisional Officer  
Buildings Sub Division No.1  
Rawalpindi

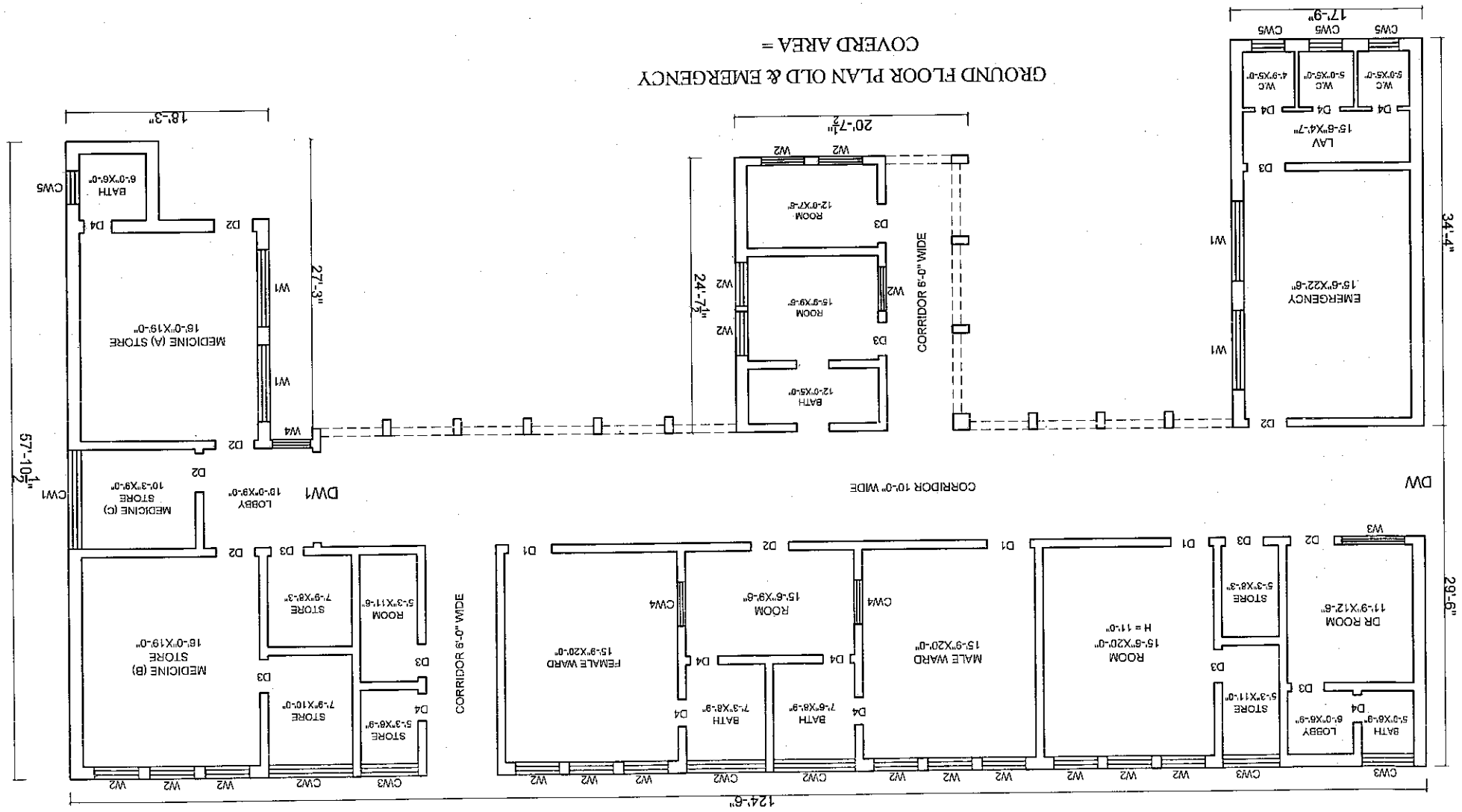


# SITE PLAN FOR RHC HOSPITAL KALLAR SYEDAN AT RAWALPINDI

Sub Divisional Officer,  
Buildings Sub Division No. 3  
Rawalpindi

95

Executive Engineer  
Buildings Division No. 3  
Rawalpindi



OLD COVERED  
AREA = 5013.00SFT

DOORS / WINDOWS		
DW 1	10'-0" X 8'-6"	D1
DW1 1	8'-3" X 8'-6"	D1
D1	4'-0" X 8'-6"	D2
D2	3'-6" X 8'-6"	D3
D3	3'-0" X 7'-0"	D4
D4	2'-6" X 7'-0"	W1
W1	7'-0" X 6'-0"	W2
W2	4'-0" X 6'-0"	W3
W3	6'-0" X 6'-0"	W4
W4	3'-6" X 6'-0"	CW1
CW1	9'-0" X 2'-0"	CW2
CW2	7'-6" X 2'-0"	CW3
CW3	5'-0" X 2'-0"	CW4
CW4	4'-0" X 2'-6"	CW5
CW5	3'-0" X 2'-0"	

## 8. ANNUAL OPERATING COST (POST COMPLETION)

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010024  
**A/C To be Credited:**Account-I

PKR Million

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

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010024  
**A/C To be Credited:**Account-I

PKR Million

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

**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.

## **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.

## 8. 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	38.000	20.656	2.787	2.646	3.915	7.276	75.280
Utilization	17.114	19.828	2.703	1.684	3.851	0.761	45.942

### Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released						5.000	5.000
Utilization						0.000	0.000

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

## **10.4 WEIGHT COST OF CAPITAL INFORMATION**

undefined

## **11. PROJECT BENEFITS AND ANALYSIS**

### **11.1 PROJECT BENEFIT ANALYSIS INFORMATION**

#### **11.3 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.

### **11.2 ENVIRONMENTAL IMPACT ANALYSIS**

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

### **11.3 PACT ANALYSIS**

undefined

### **11.4 ECONOMIC ANALYSIS**

#### **11.4 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.

#### **11.6 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

### Project Benefits and 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**

From September, 2017 to June, 2025

### **12.2 RESULT BASED MONITORING (RBM) INDICATORS**

undefined

### **12.3 IMPLEMENTATION PLAN**

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

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

## 12.6 PROCUREMENT PLAN

undefined

## 13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of new Health Management Structure is available in PC-I

## 14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

N/A

## 15. CERTIFICATE

**Focal Person Name:**Mr. KHIZAR HAYAT

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

**Email:**

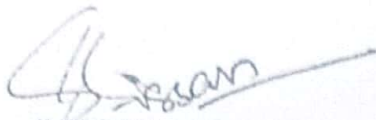
**Tel. No.:**042-99231206

**Fax No:**

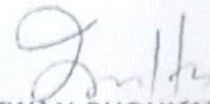
**Address:**31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

15. It is certified that the project titled "Revamping of THQ Hospital Kallar Syedan (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.

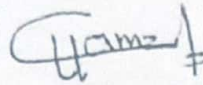
Prepared By:



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

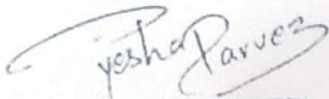


(RIZWAN SHOUKAT)  
PROCUREMENT SPECIALIST, (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)




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

Checked By:

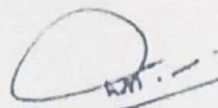


(Dr. AYESHA PARVEZ)  
DEPUTY PROJECT DIRECTOR (PMU),  
PRIMARY & SECONDARY HEALTHCARE  
DEPARTMENT, LAHORE  
(042-99231206)  
(Oct-2022)



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

Approved By:



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

