



PC-1

## Revamping of THQ Hospital, Chunian District Kasur

ORIGINAL APPROVED COST	<b>PKR Million. 363.863/-</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, Chunian District Kasur

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

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

I. KASUR

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

I. CHUNIAN

## **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**

- (I) FEDERAL EDUCATION & PROFESSIONAL TRAINING
- (II) NATIONAL HISTORY AND LITERARY HERITAGE DIVISION
- DEFENCE
- DEFENCE PRODUCTION
- FINANCE, REVENUE AND ECONOMIC AFFAIRS
- FOREIGN AFFAIRS
- HOME DEPARTMENT
- HOUSING AND WORKS
- HUMAN RIGHTS
- INFORMATION AND BROADCASTING DIVISION
- INFORMATION TECHNOLOGY AND TELECOMMUNICATION
- INTER-PROVINCIAL COORDINATION
- KASHMIR AFFAIRS & GILGIT BALTISTAN
- LAW AND JUSTICE
- MARITIME AFFAIRS
- MINISTRY OF COMMUNICATION
- MINISTRY OF CLIMATE CHANGE
- NARCOTICS CONTROL
- NATIONAL FOOD SECURITY & RESEARCH
- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION
- PETROLEUM DIVISION
- PLANNING, DEVELOPMENT AND REFORM
- POWER DIVISION
- PRIVATIZATION
- RAILWAYS
- RELIGIOUS AFFAIRS AND INTER-FAITH HARMONY

- SCIENCE AND TECHNOLOGY
- WATER RESOURCES

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

#### 4. PLAN PROVISION

Sr #	Description
1	<b>Source of Funding:</b> Scheme Listed in ADP CFY
2	<b>Proposed Allocation:</b> 0.000
3	<b>GS No:</b> 5237
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 casualties, 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 than diagnosed the medicine or either to admit it after his examination. In case of medicine he will be sent to hospital pharmacy where again the same ticket number will be displayed. There have to be an option available with the doctor to either redirect him to the hospital pharmacy or other (medical tests, referred to IPD). On displaying the same token number at pharmacy counter the patient will move to pharmacy counter along with his token number and registration slip and take prescribed medicine. Patient will be disposed from that window and process of QMS will be completed. There will be no entry in the basic registration software on the counters of triage, doctor at the moment. Detail of equipment is attached.

The process described above for THQ will be implemented. The important constraints for the systems are:

1. Same token number will be used at all the counters and patient will be getting the ticket from ticketing machine only once at the time of entry.
2. QMS will cater for missed, skipped or delayed patient at any counter.
3. There will be two LED displayed at different location in the waiting area to guide patients about the process details and to display token number along with announcement in URDU.
4. The gap between each display panel from ticketing machine to pharmacy can be customized according to requirement e.g. 5, 10, 30, 60 seconds etc.

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

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

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

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

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

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

Installation of network based CCTV cameras is an important module in the ICT part of revamping project. Scope of this component is to install 60 to 80 cameras in each hospitals at important location i.e. entry, exit, OPD, waiting areas, Parking for surveillance and security purposes. This will also serve as major input to the security services by Outsourced Security Company in the hospitals. Moreover, there will be small scale central control room at each hospital to monitor the allocated locations where the cameras have been installed. This system will also have the facility to record the video for 15 days for all the cameras so that recording of specific duration can be produced on demand. This will also have the facility of central control room which has the capacity to access the camera of THQ hospitals and to view and monitor the area of specific camera within specific hospital at any given time. Therefore, it will establish a centralized surveillance and security mechanism for these 85 public sector healthcare facilities. Detail of equipment is attached.

#### **5.3.3.19 Medicine Store**

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

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

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

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

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

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

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

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

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

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

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

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

#### **5.4.3 MEPG Services**

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

#### **5.4.4 CT Scan Services**

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

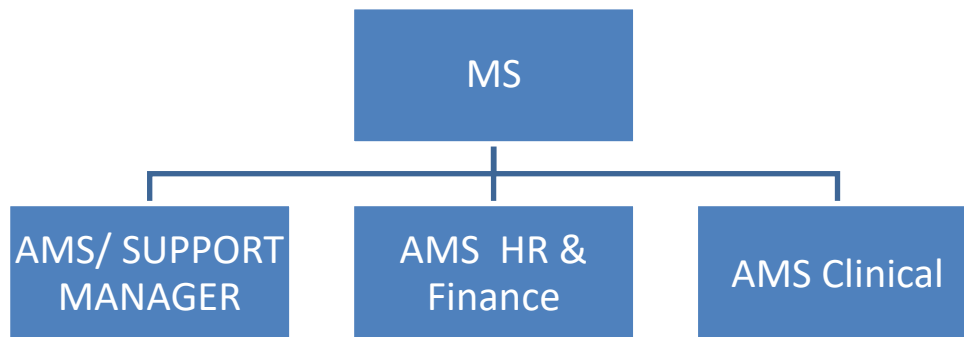
#### **5.4.5 Security**

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

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

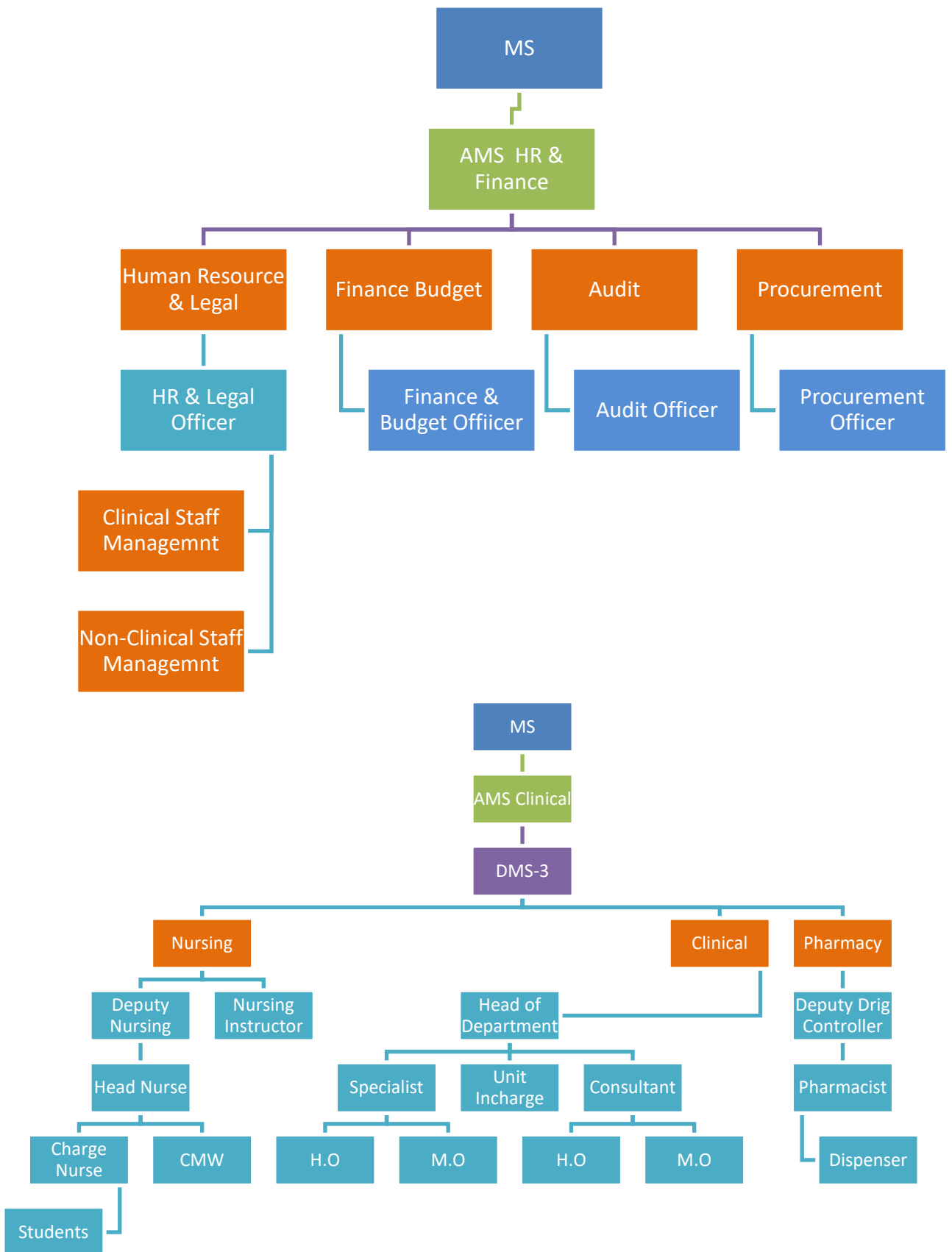
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

## New Organogram of Hospital



### MS

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



#### **5.6.1 Non Clinical HR Interventions (Human Resource (HR) Plan Management Structure)**

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

#### **Responsibilities / Job Descriptions, Eligibility & Financial Implications for Management Structure of Hospital**

##### **5.6.2.1 Medical Superintendent**

Shall be overall responsible for all the affairs of the Hospital

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

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

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



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

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

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

#### **5.6.2.3 Admin Officer**

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

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

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

#### **Eligibility Criteria**

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

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

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

Shall be responsible for following:

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

#### **Eligibility Criteria**

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

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

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

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

#### **Eligibility Criteria**

1. Minimum qualification Masters' degree in Computer Science or equivalent from HEC recognized University
2. 2 years post degree experience of IT/Data analysis(Additional credit may be given for similar assignment experience)

#### **5.6.2.6 Finance & Budget Officer**

Shall be responsible for following:

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

#### **Eigibility Criteria**

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

#### **5.6.2.7 Procurement Officer**

Shall be responsible for following functions:

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

#### **Eigibility Criteria**

1. Minimum qualification Masters' degree in Finance/ MBA Finance or equivalent from HEC recognized University
2. 2 years post degree experience of procurement (Additional credit may be given for public sector experience of procurement)

#### **5.6.2.8 Quality Assurance Officer**

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

**Eligible Criteria**

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

OR

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

2. Minimum 1 Year post degree relevant experience.

**5.6.2.9 Logistics Officer**

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

**Eligible Criteria**

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

**5.6.2.10 Data Entry Operators (DEO)**

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

**Eligible Criteria**

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

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

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

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

#### **Eligibility Criteria**

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

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

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

Shall be responsible whole QMS networking

#### **Eligible Criteria**

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

#### **5.7.1.2 Computer Operators**

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

#### **Eligible Criteria**

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

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

#### **Eligible Criteria**

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

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

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

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

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

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

#### **5.7.2.2 Objectives**

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

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

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

#### **5.7.2.4 Reporting Arrangements**

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

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

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

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

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

#### **5.7.2.7 Remunerations**

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

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

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

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

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

Shall be responsible for general administrative affairs of DCC.

#### **Eligibility Criteria**



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

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

Shall be responsible for basic education of children.

##### **Eligibility Criteria**

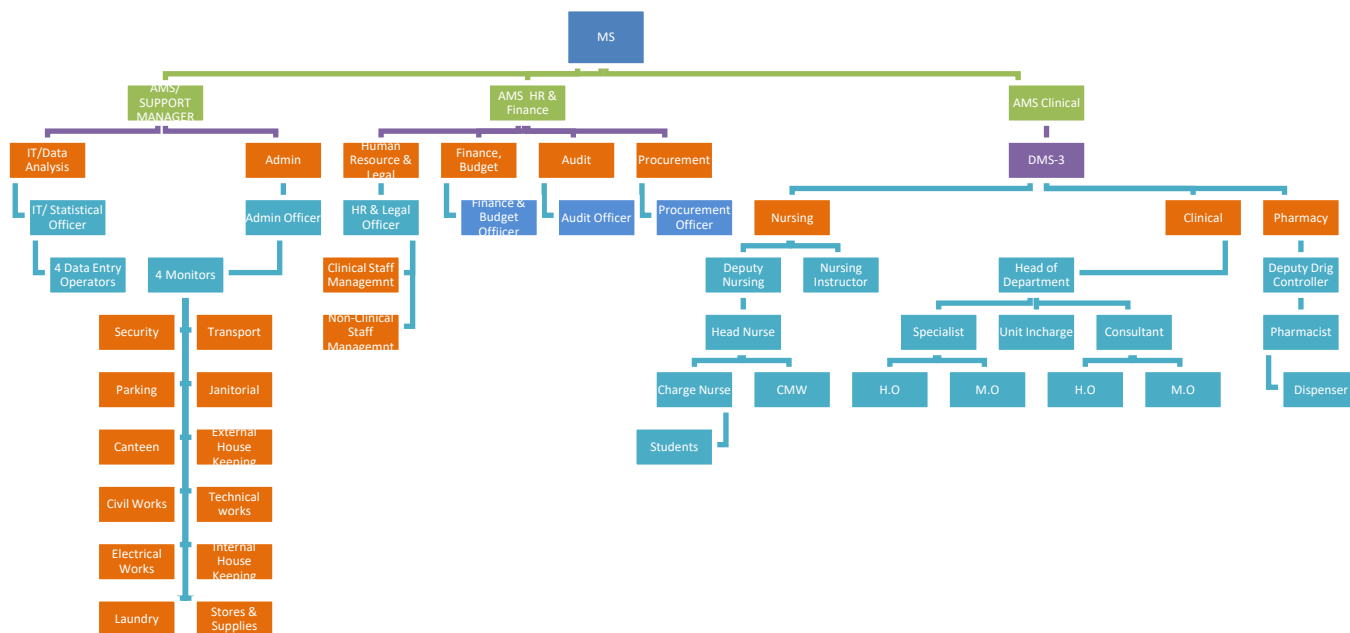
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

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

Shall be responsible for special care of the children.

##### **Eligibility Criteria**

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

### **5.8 Other Initiatives:**

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

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

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

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

## **5.9 Patient Management Protocol**

### **5.9.1 Emergency:**

1. Initial reception and computerization of data, issuance of medical record number and preparation of record file.
2. Patients seen by C.M.O. initial assessment (brief history and physical examination) is entered on the emergency slip/file initial treatment is started.
3. C.M.O calls the medical officer / house officer of the relevant department who takes on of the following action:-
  - i. Discharges the patient from emergency department after the patient is stabilized (himself or after consultation).
  - ii. Returns the patient in emergency department and inform the consultant or call such patient is either discharged after some time i.e. 2 hours of admitted later on
  - iii. Patient is straight way admitted by the medical officer himself or in consultation with the consultant
4. A separate record is maintained by each department. Each patient discusses at the morning meeting and any pitfalls are any pitfalls are corrected.
5. The patient who is admitted is again entered into the computer in the ward, complete history and physical examination is carried out and relevant lab & radiological investigations are ordered. (If not already done in the emergency department).

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

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

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

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

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

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

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

#### **5.9.4 Inventory Control System**

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

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

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

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

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

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

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

#### **5.10 Relationship with Sectoral Objectives**

The Government of the Punjab, Primary & Secondary Healthcare Department is in the process of undertaking number of initiatives to improve health care delivery system in the province. The Government of the Punjab is firmly committed to provide health care services at the doorstep of the community through integrated approach. A number of projects to improve emergency health care service particularly targeting on the promptness and quality have been

initiated. Although major focus is on disease prevention and health promotion strategies by providing specialist health care services to victims of various diseases in the patients is one of the top most priority. The instant project will be a major wing to health department with line departments.

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

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

### **6.1 JUSTIFICATION OF PROJECT**

attached



## **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 for Revamping of THQ Hospital Chunian District Kasur

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

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

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

1. 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 increased from Rs. 29.650 million to Rs. 46.652 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:



## **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:**LO17010561  
**A/C To be Credited:**Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	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>

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010038  
**A/C To be Credited:**Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	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

<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	THQ Chunian					
	Cost in Millions					
Scope of work	2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total
<b>Capital component</b>						
Internal Development	23.030	5.000	28.030	41.359	5.000	46.359
External Development	6.620	0.000	6.620	5.293	0.000	5.293
Water filtration plant	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Capital Component</b>	<b>29.650</b>	<b>5.000</b>	<b>34.650</b>	<b>46.652</b>	<b>5.000</b>	<b>51.652</b>
Emergency	0.000	27.876	27.876	0.000	47.336	47.336
MSDS	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	78.211	78.211	0.000	120.690	120.690
Electricity	0.000	12.790	12.790	0.000	29.990	29.990
IT & QMS & Surveillance	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	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
Human resource (HR) plan	0.000	35.370	35.370	0.000	52.895	52.895
LC Deficit during procurement (currency fluctuation)		3.083	3.083		3.083	3.083
<b>Total Revenue component</b>	<b>0.000</b>	<b>203.074</b>	<b>203.074</b>	<b>0.000</b>	<b>312.211</b>	<b>312.211</b>
<b>Outsourcing component</b>						
Janitorial Services	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total outsourcing cost</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>Total</b>	<b>29.650</b>	<b>208.074</b>	<b>237.724</b>	<b>46.652</b>	<b>317.211</b>	<b>363.863</b>
<b>Contingency (1%) only on Civil Component</b>	0.000	0.000	0.000	0.000	0.000	0.000
<b>Third party monitoring (TPM) (2%)</b>	0.000	0.000	0.000	0.000	0.000	0.000
<b>Grand Total</b>	<b>29.650</b>	<b>208.074</b>	<b>237.724</b>	<b>46.652</b>	<b>317.211</b>	<b>363.863</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=6+S=0+E=6)			(T=6+S=0+E=6)			(T=6+S=0+E=6)			(T=6+S=0+E=6)		
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	6	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	6	15,750	94,500	6	15,750	94,500	6	30,000	180,000	6	30,000	180,000
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	6	420,000	2,520,000	6	460,000	2,760,000	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped) *(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16	Minor O.T	INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLEY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18		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	Constant / specialized care room	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		GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped) *(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36	7	ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		10,000	-
40		(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42		Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000

## 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=6+S=0+E=6)			(T=6+S=0+E=6)			(T=6+S=0+E=6)			(T=6+S=0+E=6)		
44	Emergency ward	B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped) )*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49	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 paed with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		<b>Total</b>				<b>20,463,445</b>			<b>20,463,445</b>			<b>27,876,235</b>			<b>47,336,200</b>
						20.463			20.463			27.876			47.336

# 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)
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 Guage	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000	4	15,000	60,000
63	Bio Cleaning and Disinfection System	1	650,000	650,000	1	650,000	650,000	1	650,000	650,000	1	2,200,000	2,200,000
	<b>Total</b>			<b>8,647,094</b>			<b>8,647,094</b>			<b>9,653,822</b>			<b>13,437,942</b>
				<b>8.647</b>			<b>8.647</b>			<b>9.654</b>			<b>13.438</b>

## 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	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	0	1	449,295	449,295	0	1	449,295	449,295	0	1	550,000	550,000	0	1	550,000	550,000
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	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	5	0	132,825	-	5	0	132,825	-	5	0	180,000	-	5	0	250,000	-
6		Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	0	1	210,000	210,000	0	1	210,000	210,000	0	1	385,000	385,000	0	1	450,000	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	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11	X-Rays	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
12		Static X-ray Machine	1	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	6,000,000	6,000,000	0	1	12,000,000	12,000,000
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	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	1	0	282,975	-	1	0	282,975	-	1	0	350,000	-	1	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	1	1	52,500	52,500	1	1	60,000	60,000	1	1	85,000	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		Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,500,000	-	0	0	2,400,000	-
21	Ultrasound	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	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
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 doplor CARDIOLOGY	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 Bank	Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30		Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	1	0	42,000	-	1	0	42,000	-	1	0	55,000	-	1	0	55,000	-
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	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	2	8	14,669	117,348	2	8	14,669	117,348	2	8	16,000	128,000	2	8	16,000	128,000
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	1	1	335,638	335,638	1	1	335,638	335,638	1	1	985,000	985,000	1	1	1,050,000	1,050,000
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	1	1	858,932	858,932	1	1	858,932	858,932	1	1	900,000	900,000	1	1	1,750,000	1,750,000
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	1	1	125,265	125,265	1	1	125,265	125,265	1	1	215,000	215,000	1	1	300,000	300,000
41	O.T (04)	Anesthesia Machine with Ventilator	1	0	1	2,509,554	2,509,554	0	1	2,509,554	2,509,554	0	1	3,000,000	3,000,000	0	1	7,000,000	7,000,000
42		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	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
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	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	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	Orthopedic	MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	900,000	900,000
52		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	-

### 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
57		Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	2,400,000

## 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
58	Gynea (20 beds)	Autoclave	1	1	0	441,000	-	1	0	441,000	-	1	0	550,000	-	1	0	850,000	-
59		Delivery Set	10	2	8	31,500	252,000	2	8	31,500	252,000	2	8	40,000	320,000	2	8	65,000	520,000
60		Delivery Table	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	55,000	55,000
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000
63		Vaccume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000
64		CTG Machine	1	0	1	628,049	628,049	0	1	628,049	628,049	0	1	725,000	725,000	0	1	900,000	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	2	0	14,669	-	2	0	14,669	-	2	0	16,000	-	2	0	16,000	-
68	Surgical Emergency (10 beds)	Delivery trolley	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250
69		Desktop Fetal Heart Rate Detector	1	0	1	144,375	144,375	0	1	144,375	144,375	0	1	175,000	175,000	0	1	200,000	200,000
70		Steam Sterilizer	0	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	900,000	-
73		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
74		Laryngoscope	0	0	0	9,744	-	0	0	9,744	-	0	0	12,000	-	0	0	20,000	-
75		Set of Surgical Instruments	0	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78	Others	foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000
80		BP Appratus	15	0	15	15,750	236,250	0	15	15,750	236,250	0	15	16,000	240,000	0	15	16,000	240,000
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	ICU	Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98	Dental Unit	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		MORTUERY	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
104		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	-

### 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	Available Quantity	Required Quantity	Cost per Unit	Total Cost		
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					59,080,886				59,080,886				78,210,820				120,690,388		
							59.081					59.081					120.690				



Electricity													
		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	1,200,000	1,200,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	800,000	800,000	1	800,000	2,000,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	1	9,000,000	9,000,000
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	15	55,500	832,500	15	55,500	832,500	15	55,500	832,500	15	55,500	832,500
7	2 Ton air conditioners (Cabinet)	21	78,000	1,638,000	21	78,000	1,638,000	21	78,000	1,638,000	21	78,000	1,638,000
8	4 Ton air conditioners (Cabinet)	5	120,000	600,000	5	120,000	600,000	5	120,000	600,000	5	120,000	600,000
9	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500
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"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
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	10,000,000	10,000,000
	<b>Total</b>			<b>11,840,440</b>			<b>11,840,440</b>			<b>12,790,440</b>			<b>29,990,440</b>
				<b>11.840</b>			<b>11.840</b>			<b>12.790</b>			<b>29.990</b>

3,200,000  
2,000,000

### IT & QMS & Surveillance

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	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

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

# DAY CARE CENTER

## Yard Stick as per Women Development Department

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

# 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
47	Cater Pillar Stuffed	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000	2	1,700	3,000
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800
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 / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000

## 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
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	<b>TOTAL</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>			<b>1,600,000</b>
				<b>1.600</b>			<b>1.600</b>			<b>1.600</b>			<b>1.600</b>

### Human Resource Model of THQ Hospital

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (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
Sub Total of HR Model				4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
Utilization of HR Component									7.230				12.422					
Total of HR Component													35.37					52.895



## Janitorial Services

	Original		From 1st Revised to onwards
Assumptions			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&amp;D Board; it was inter alia decided as under:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	18,889	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	3	Persons	
Road and ROW area	52,060	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	3	Persons	
Number of washroom blocks	5	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	7	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	15	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	15	22,000	3,888,630
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)			10,416,630
10.417			

10.417

## 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:  <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY"</b>.                      In view of above, Outsourcing cost has been excluded from this PC-I.</p>	
Covered area excluding residences	22,502				
Covered Area per guard	15,000				
<b>Number of guards</b>	<b>2</b>				
Open area excluding parking area	80,998				
Area covered per guard per shift for open area excluding parking	15,000				
<b>Number of guards for total area excluding parking area</b>	<b>5</b>				
Number of gates	2				
<b>Number of guards at gates</b>	<b>4</b>				
<b>Total No of Guard</b>	<b>11</b>				
Total number of all guards for second shift	5				
<b>Lady Searcher</b>	<b>2</b>				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	2				
Total no. of Supervisors	2				
<b>Type of worker</b>	<b>No of workers</b>	<b>Salary per month</b>	<b>Salary per Month for all Person</b>	<b>Salary for One year</b>	
Supervisors	2	24,675	49,350	592,200	
Ex-Army	6	21,525	129,150	1,549,800	
Civilian	9	21,000	189,000	2,268,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
<b>Sub total</b>				<b>5,443,200</b>	
<b>Equipment cost</b>					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
<b>Sub total</b>				<b>400,000</b>	
<b>Subtracting Parking Fees</b>				500,000	
<b>Total Security and Parking Services</b>				<b>5,343,200</b>	
				<b>5.343</b>	

## Laundry Services

	Original		From 1st Revised to onwards
Number of beds	60		
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>

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.

## Maintenance of Generator

	Original			From 1st Revised to onwards
Item Name	Quantity	Cost per year	Total Cost	
<b>Periodical Maintenance Cost</b>				
Number of Generators (200 KVA)	-	500,000	-	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: <b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b> In view of above, Outsourcing cost has been excluded from this PC-I.
Number of Generators (100 KVA)	-	300,000	-	
Number of Generators (50 KVA)	2	175,000	350,000	
Repairs Cost	1	350,000	350,000	
<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>2,020,000</b>	
			<b>2.020</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:</p> <p><b>"It would be made sure by the P&amp;SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</b></p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
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	
<b>Total (Salary component)</b>			<b>217,000</b>	<b>2,604,000</b>	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	66	6,665	439,890	439,890	
Fridge	6	4,000	24,000	24,000	
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	
<b>Sub Total</b>				<b>1,084,890</b>	
<b>General Total</b>				<b>3,688,890</b>	
				<b>3.689</b>	

# 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.</p>
Oxygen	Medical Oxygen Gas in 240 CFT Cylinder (MM)	12	144	1850	266,400	
	Medical Oxygen Gas in 48 CFT Cylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFT Cylinder (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

# 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: "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.
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	
<b>Total Amount of Platform Construction</b>					<b>1,225,070</b>	
<b>Pre-Fabrication of Canteen Structure</b>						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick ( 16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwiched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
<b>Total Cost of Pre-Fabrication of Canteen Structure</b>					<b>3,307,052</b>	
<b>Total Amount (Rs)</b>					<b>4,532,121</b>	
22	Electrification				998,735	
23	Plumbing and Sanitary				410,000	
24	Kitching Fixtures				802,000	
<b>Grand Total Amount (Rs)</b>					<b>6,742,856</b>	

6.743

## LANDSCAPE DEVELOPMENT WORKS COST ESTIMATE

		Original				From 1st Revised to 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	9,184	20	183,680	
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	25,361	7	177,527	
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	9,361	11.25	105,311	
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	242	1,500	363,000	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestral, Pilken, Palms etc.	No's	60	270	16,200	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	400	600	240,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	31,500	69	2,173,500	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestrophia Thai etc	No's	4,875	195	950,625	
1.6	<b>GROUND COVERS</b>					
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	25,000	12	300,000	
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	12	3,675	44,100	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	40	1,800	72,000	
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.					



**LANDSCAPE DEVELOPMENT WORKS  
COST ESTIMATE**

		Original			From 1st Revised to onwards
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	100	195	19,500
<b>2</b>	<b>HARD LANDSCAPE</b>				
<b>2.1</b>	<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 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	2000	150	300,000
<b>2.2</b>	<b>BENCHES</b>				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	10	12,562	125,620
<b>2.3</b>	<b>DUSTBINS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	23,675	189,400
<b>2.4</b>	<b>PLAYING EQUIPMENTS</b>				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760
<b>2.5</b>	<b>PLANTERS</b>				
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	7	3,850	26,950
<b>2.6</b>	<b>WATER POINTS (Injector Pump 1HP)</b>	No's	3	45,000	135,000
<b>3</b>	<b>SOFT LANDSCAPE MAINTENANCE</b> (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	40,456	7.50	303,420
<b>4</b>	<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	100	550	55,000
	<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	1,170	550	643,500
	<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	240	550	132,000
<b>5</b>	<b>GAZEBO</b> Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	<b>Total Amount of - Landscaping</b>				<b>7,256,468</b>
	<b>PRA(16%)</b>				1,161,035
	<b>Design Consultancy</b>				100,000
	<b>TPV (3%)</b>				217,694
	<b>Grand Total</b>				<b>8,735,197</b>
					<b>8.735</b>

EXECUTIVE ENGINEER

BUILDINGS DEPARTMENT KASUR

NAME OF WORK:

ROUGH COST ESTIMATE PROGRAMME FOR  
REVAMPING OF TEHSIL HEADQUARTER  
HOSPITALS IN PUNJAB ONE AT T.H.Q  
HOSPITAL CHUNIAN DISTRICT KASUR  
(ADF-658)

AMOUNT RS.46.652-M



ESTIMATE FRAMED BY:

Name of work:

EXECUTIVE ENGINEER BUILDINGS  
DIVISION KASUR.

ROUGH COST ESTIMATE PROGRAMME FOR  
REVAMPING OF T.H.Q. HEADQUARTER  
HOSPITALS IN PUNJAB ONE AT T.H.Q  
HOSPITAL CHUNIAN DISTRICT KASUR  
(ADP-658)

### HISTORY

Govt. of Pakistan is very keen to provide better Health Facilities for people of Punjab. The above subject scheme has showing in ADP 2022-23. In this regard M.S T.H.Q Chunian with PMU Team & Building Department, jointing visit at site dated:29-07-2022. The scope of work attached. Therefore preparation of rough cost estimate to Revamping the T.H.Q Hospital Chunian in District Kasur.

Accordingly this rough cost estimate has been prepared amounting to Rs.46.652-M and submitted for according Administrative Approval and allotment of funds.

### SCOPE OF WORK

The following provision has been made in this estimate.

1. Renovation of Main Building.
2. Construction of Entrance Lobby
3. Construction of Staff Rooms.
4. Construction of Gynecologist Block.
5. E.I portion
6. P.H portion
7. External Development
8. Dismantling.

### SPECIFICATION.

The work will be carried out according to the latest Specifications of C&W Department.

### CARRYING OUT OF WORK

Work will be carried out according to the latest Specifications C&W Department after issuance of Administrative Approval, Technical Sanction, release of funds, and after calling competitive tenders as per PAPRA rules.

### RATES

The estimate is prepared with MRS for 2nd BI to mid period (1st July to 31st December 2022)

### COST

The total cost of the work comes to Rs.46.652-M

### TIME LIMIT

It will take 06 Months to complete the work.

Sub Divisional Officer  
Buildings Sub-Division  
Chunian

Executive Engineer  
Buildings Division  
Kasur





5

**AMENDED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL  
HEADQUARTER HOSPITALS IN PUNJAB ONE AT T.H.Q CHUNIAN DISTRICT  
KASUR (ADP-658)**

**COMPARATIVE STATEMENT**

Sr. No	Description	As per Original R.C/ A.A	As per Amended Rough cost estimate	Variation (+) Exceeds/ (-) Saving (3-2)
	1	2	3	4
1	Main Building(T.H.Q)	24,479,384	23,020,173	-1,459,211
2	Construction of Entrance Lobby & Staff Room	0	14,033,700	14,033,700
3	Electric Installation	2,254,086	4,304,640	2,050,554
4	Public Health	547,947	2,265,600	1,717,653
5	External Development(Sewerage )	638,840	1,857,174	1,218,334
6	Cost of Dismantling	0	13,900	13,900
	<b>TOTAL</b>	<b>27,920,256</b>	<b>45,495,186</b>	<b>17,574,930</b>
	<b>Deduction of Old Material</b>	457,976	1,064,700	606,724
	<b>Net Total</b>	27,462,280	44,430,486	16,968,206
	<b>ADD 3% Contingencies</b>	823,868	0	-823,868
	<b>ADD 5% PST</b>	1,373,114	2,221,524	848,410
	<b>Grand Total</b>	<b>29,659,263</b>	<b>46,652,011</b>	<b>16,992,748</b>
	<b>Say Rs</b>	<b>29,659,000</b>	<b>46,652,000</b>	<b>16,993,000</b>
	<b>Or</b>	<b>29.650-M</b>	<b>46.652-M</b>	<b>17.000-M</b>

  
 Sub Divisional Officer  
 Buildings Sub Division  
 Chunian

  
 Executive Engineer  
 Buildings Division  
 Kasur



**AMENDED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEADQUARTER HOSPITALS IN PUNJAB ONE AT T.H.Q CHUNIAN DISTRICT KASUR (ADP-658)**

**COMPARATIVE STATEMENT**

Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+/-) Excess (-) Saving (10-6)	Remarks		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount				
1	2	3	4	5	6	7	8	9	10	11	12		
A	<b>Main Building</b>												
1	Removing doors with chowkat	59	1	Each	331.65	19567	60	1	Each	438	26280	6713	
2	Removing windows and sky lights with chowkat.	152	1	Each	258.7	39322	126	1	Each	341.5	43029	3707	
3	Removing windows and sky lights with chowkat.(Grills)	0	1	Each	0	0	132	1	Each	341.5	45078	45078	
4	Dismantling glazed or encaustic tiles, etc.	797	100	Cft	1,768.80	14097	2135	100	Cft	2,335.85	49870	35773	
5	Dismantling cement concrete 1:2:4 plain.	87	100	Cft	8,421.60	7365	839	100	Cft	11,174.60	93755	86390	
6	Dismantling cement concrete with brick aggregate.	33	100	Cft	2,296.80	761	0	100	Cft	0.00	0	-761	
7	Dismantling brick or flagged Flooring without concrete foundation.	19187	100	Sft	650.70	124852	0	100	Sft	0.00	0	-124852	
8	Dismantling 1st class tile roofing.	632	100	Sft	1148.40	7258	0	100	Sft	0.00	0	-7258	
9	Earthwork excavation undressed lead upto a single throw of Kass, phaorah or shovel	15256	1000	Cft	3,445.20	52566	0	1000	Cft	0.00	0	-52566	
10	Dismantling brick work with cement mortar or lime mortar	1066	100	Cft	3253.80	34683	124	100	Cft	4317.45	5354	-29329	
11	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. in ordinary soil. By Manual	0	0	0	0	0	5655	1000	Cft	10677.75	60383	60383	
12	P/L C.C brick or stone ballast 1½" to 2" gauge in F/P (1:6:18)	0	0	0	0	0	1282	100	Cft	10677.75	136889	136889	
13	Dry rammed brick or stone ballast 1½" to 2" gauge	238	100	Cft	5115.00	12184	263	100	Cft	9155.50	24079	11895	
14	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4/c lead 210-KM	33	100	Cft	25014	8286	842	100	Cft	48738.05	410374	402088	
15	Pacca Brick work (1:6) in foundation	0	0	0	0	0	4139	100	Cft	31039.55	1284727	1284727	
16	P/L 1-1/2" thick DPC (1:2:4) with one coat of bituman and one coat of polythen sheet 500 gauge.	0	0	0	0	0	803	100	Sft	8660.50	69544	69544	
17	P/L Vertical D.P.C with 1/2" thick cement sand plaster (1:3) with one coat of bituman and one coat of polythen sheet 500 gauge.	0	0	0	0	0	322	100	Sft	5682.65	18298	18298	
18	Pacca brick work in ground floor Ratio 1:4	9	100	Cft	25239.05	2208	288	100	Cft	33795.1	97330	95122	
19	F/W/R earth under floor with surplus earth from foundation etc.	0	0	0	0	0	3770	1000	Cft	5090.45	19191	19191	
20	F/W/R earth under floors with new earth excavated from outside, lead upto one mile.	0	0	0	0	0	4102	1000	Cft	15777.65	64720	64720	





Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount				
1	2	3	4	5	6	7	8	9	10	11	12		
21	Pacca brick work C/S mortar (1:6) in G/F.	0	0	0	0	4230	100	Cft	33223.35	1405348	1405348		
22	P/L 1/2" thick cement sand plaster (1:3) on wall with one coat of 10lbs bituman i/c polythen sheet 500 gauge	0	0	0	0	351	100	Sft	5456.00	19151	19151		
23	Cement pointing 1:2 flush on floor.	0	0	0	0	10801	100	Sft	2604.35	281296	281296		
24	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 First Floor 1:2.4 i/c lead 210-KM	824	1	Cft	442.70	364840	1929	1	Cft	662.09	1277172	912332	
25	P/L R.C.C (1:2.4) in slab of rafts / strip foundation, base slab of column and retaining walls, etc complete in all respects: with horizontal shuttering. (Use Chanab Sand) i/c lead 210-km	0	0	0	0	5	1	Cft	563.34	2817	2817		
26	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement. Deformed Grade 40	2613	100	Kg	19958.65	521579	5927	100	Kg	31380.40	1859916	1338337	
27	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. 1:2	3098	100	Sft	2844.85	88133	4612	100	Sft	4499.10	207498	119365	
28	Pacca Brick Work in S/C mortar 1:6 in Ground Floor	1066	100	Cft	24,259.60	258592	1329	100	Cft	33,223.35	441538	182946	
29	Cement pointing struck joints, on walls upto 20' height (1:2) i/c red oxide pigment	0	0	0	0	4612	100	Sft	4170.85	192360	192360		
30	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded, with ploythene Sheet 500 gauge. Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32- 38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water 1" thick	19187	100	Sft	16566.4	3178642	2578	100	Sft	12173.40	313830	-2864812	
31	Removing cement or lime plaster.	21972	100	Sft	319.00	70090	21399	100	Sft	423.30	90582	20492	
32	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick	25770	100	Sft	2302.1	593240	25196	100	Sft	3245.95	817850	224610	
33	Pre-polished china Verona marble Slab for steps ¾" thick of required size and design not less than 4 sft of supreme quality laid in white cement and matching pigment over a bed of ¾" thick c/s mortar 1:2 i/c making gola on exposed edges, complete in all respect as approved by the Engineer Incharge. N.S	1281	1	Sft	526.00	674003	0	1	Sft	0	0	-674003	
34	Providing and fixing 2" wide MS/GI Chowkat single/double rebate made of 16SWGMS sheet pressed/welded/supported with M.S. flat 1- 1/4"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold, fasts (6- Nos) welded/screwed, punching of lock hole covered with MS Box, coating with anti-rust paint includ	0	0	0	0	0	147	1	Sft	1150.00	169050	169050	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
35	Providing and fixing 1 1/2" thick solid flush door comprising of 2.5mm thick Deodar/Ash/Oakply with grooves, compressed over 2.5mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, lower bolt, handles, glue, sawing charges and	0	0	0	0	0	134	1	Sft	678.55	90926	90926	
36	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/	0	0	0	0	0	53	1	Sft	2024.90	107320	107320	
37	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/Shelves/Treads/ Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortar i/c the cost of matching sealer complete in all respect as approved and directed by the Engineer Incharge. china verona	0	1	Sft	0.00	0	1991	1	Sft	412.35	820989	820989	
38	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") 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 (1.6 mm thick section)	4847	1	Sft	498.50	2416230	3137	1	Sft	1348.40	4229931	1813701	
39	Providing and fixing Aluminum Flyscreen comprising of Fiber/Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brown color/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of hardware as approved and directed by the engineer in charge, complete in all respect (1.6 mm thick section take as per above items no 21)	4847	1	Sft	330.05	1599752	1568	1	Sft	493.05	773102	-826650	
40	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 3/8" Squar Bars	4847	1	Sft	464.00	2249008	2667	1	Sft	854.15	2278018	29010	
41	P/F M.S.Grill Of 1/2"x1/2" Sq Bar 4" C/C (Making Rectangle ) 3 Nos Vertical Bars, 2nos Horizontal Bars I/C M.S Flat 1.5"x3/16" For Frame In Windows Of Approved Design 6 Nos Holdfast 9" Long Of M.S Iron 3/4" X3/4"x1/8" Painting Three Coats I/C Cost Of Labour Material And Carriage Welding Etc Complete In All Respect As Approved By The Engineer Incharge	1404	1	Sft	626.45	879536	0	1	Sft	0.00	0	-879536	
42	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape ) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	0	1	Sft	0.00	0	2333	1	Sft	1234.00	2878922	2878922	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12		
43	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass 1.6 mm thick	0	1	Sft	0.00	0	179	1	Sft	1437.60	257330	257330	
44	Providing and fixing 2"wide MS/GI Chowkat singel/double rebate made of 16SWGMSsheetpressed/welded/supportedwithM.S.flat1- 1/4"x1/8" i/c 6"long M.S.Flat1"x1/8"hold fasts(6- Nos)welded/screwed,punching of lockholecoveredwithMSBox,coatingwithantirustpaintincludingfilling withcementsandmortar(1:8)andembeddingholdfastincementconcr ete(1:2:4),completeinallrespectasapproved a	0	1	Sft	0.00	0	1316	1	Sft	621.90	818420	818420	
45	Providing and fixing 1½" thick solid flush door comprising of 2.5mmthick Deodari/Ash/Oakply withgrooves,compressedover2.5mmthickcommercialplyover1"thic kpackingwoodinstyleandrailsunderproperpressurei/c thecostofnails ,lowerbolt,handles,glue,sawingchargesandlacquarpolishingto sho wthegrainsofplyproperly,sandpaperingand3/8"thickmatchingwood enlippingasapprovedanddirectedbytheEngineer Incharge.	0	1	Sft	0.00	0	1440	1	Sft	678.55	977112	977112	
46	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge.	0	1	Sft	0.00	0	210	1	Sft	1150.00	241500	241500	
47	S/F sand under floor; or plugging in wells.	0	0	0	0	0	948	100	Cft	2943.30	27902	27902	
48	P/L Dry rammed brick or stone ballast 1½" to 2" gauge.	0	0	0	0	0	948	100	Cft	9155.50	86794	86794	
49	P/L Prepolished Porcelain Tile "Master Or Eq" With Dry / Wet / Venied Application, Dvw Series (Light Color) Class Sb, 16"x16" Size Laid Over A Bed Of ¾" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)	546	1	Sft	229.95	125553	0	1	0	0.00	0	-125553	
50	ProvidingandlayingsuperbqualityPorcelainglazedtilesflooringofMA STERbrandofspecifiedsizeinapproveddesign,ColorandShadewitha dhensive/bondover¾"thick(1:3)cementplasteri/c thecostofsealerfor finishingthejoints/cuttinggrindingcompleteinallrespect as approved and directed by the Engineer Inchargea) Full body Glazed tiles 600 mm x 600 mm (For Floor)	0	1	Sft	0.00	0	3891	1	Sft	340.55	1325080	1325080	
51	P/L Prepolished Porcelain Tile "Master Or Eq" With Dry / Wet / Venied Application, Dvw Series (Light Color) Class Sb, 16"x16" Size Laid Over A Bed Of ¾" Thick C/S Mortar 1:2, I/C Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)	4658	1	Sft	245.79	1144890	0	1	Sft	0.00	0	-1144890	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
52	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bondo ver 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints, cutting grinding complete in all respects as approved and directed by the Engineer Incharge. Full body Glazed tiles 400 mm x 400 mm (For Dado)	0	1	Sft	0.00	0	4929	1	Sft	340.55	1678571	1678571	
53	P/L Ceramic Tile "Master or Eq" SP Series - Plain matching Dark Colors (Glossy / Matt) SP PLN - ST, 12"x18" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, i/c Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Floor)	93	1	Sft	212.26	19740	0	1	Sft	0.00	0	-19740	
54	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. For Floor) 12"x36"	0	1	Sft	0.00	0	771	1	Sft	240.00	185040	185040	
55	P/L Ceramic Tile "Master or Eq" SP Series - Plain matching Dark Colors (Glossy / Matt) SP PLN - SB, 12"x18" Size Laid Over A Bed Of 3/4" Thick C/S Mortar 1:2, i/c Filling Joints With White Cement Mixed With Matching Pigment Complete In All Respect As Approved By The Engineer Incharge (For Dado)	609	1	Sft	228.10	138913	0	1	Sft	0.00	0	-138913	
56	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer Incharge. For dado) 12"x36"	0	1	Sft	0.00	0	1581	1	Sft	292.75	462838	462838	
57	P/L 1-1/2" (40 mm) thick mosaic flooring, consisting of 1/2" (13mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, including rubbing With out polishing complete with finishing :- (using grey cement)	0	1	Sft	0.00	0	4674	100	Sft	19423.00	907831	907831	
58	P/L marble strips 1-1/2" x 3/8" for dividing floor	0	1	Rft	0.00	0	3151	1	Rft	19.80	62390	62390	
59	P/L Antistatic floor sheet poly floor colour chemical resistance ESD silver/grey 2mm thick UK i/c Preparation of Floor surface by laying epoxy Damp Proof i/c all labour caping strip carriage complete.	512	1	Sft	942.96	482796	0	1	Sft	0.00	0	-482796	
60	P/F BioClad Antimicrobial Wall Pannel UK with local G.I and gypsum frame as approved by engineer incharge.	544	1	Sft	2000.00	1088000	0	1	Sft	0.00	0	-1088000	





Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12		
61	P/F BioClad Antimicrobial Ceiling UK Powder coated as approved by engineer incharge.	288	1	Sft	2000.00	576000	0	1	Sft	0.00	0	-576000	
62	Providing and fixing of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600mm x 600mm x 9.10mm over aluminum Tee's 1"x1" size at 2'-0" x 2'-0" center to center longitudinally and transversally & aluminum angle of size 1" x 1" at comes/ends, including all accessories such as steel hanging wire, hooks screws, nails rowal plugs, cross joints etc complete in all respect as approved by the Engineer Incharge.NS	14714	1	Sft	90.00	1324260	0	1	Sft	0.00	0	-1324260	
63	P/F plastic wall Panelling china Made 10" wide 9'-6" height of 10" wide Strip of approved colour and design by engineer incharge.	25934	1	Sft	200.00	5186800	0	1	Sft	0.00	0	-5186800	
64	Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/2"x1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/2"x1/8" (20x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled,complete in working order.	476	1	Sft	1081.30	514699	298	1	Sft	1596.30	475697	-39002	
65	P/L Face Work By Using Gutka 9" X 2-1/4"X2-1/4" Of Approved Quality In Cement Surkhi Mortar 1:3 I/C Back Filling With 1:3 Cement Sand Mortar Making Tradezoidal Groove/ Set Back Of 1/4" Depth During Fresh Masonry Work Laid With G.I. Wire 8- Swg. 8-Shapperd Wall Ties, One Side Embedded In The Masonry Work And Other Side In Gutka At 12" Center To Center Vertically And 36" Center To Center Horizontally. Raking Out Joints, Curing, Scaffolding And Its Removal, Complete (Contractor Shall Prepare Samples At Site) As Approved By The Engineer Incharge. N.S	3550	1	Sft	164.00	582200	0	1	Sft	0.00	0	-582200	
66	Providing and laying fair face Gutka cladding laid in (1:2) cement/red moss mortar having 1/4" thick groove finish/cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively/cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge.. 2 1/4" x 2-1/4" x 9"	0	1	Sft	0.00	0	5240	1	Sft	181.45	950798	950798	
67	Preparing surface and painting with emulsion paint:-	3230	100	Sft	434.00	14018	17430	100	Sft	2917.75	508564	494546	
68	Preparing surface and painting with emulsion paint:- 2-coat on old surface after scraping	0	100	Sft	0.00	0	23687	100	Sft	2796.55	662419	662419	
69	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect. Old surface one coat	6361	100	Sft	1034.00	65773	10666	100	Sft	1925.45	205368	139595	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021).				As per Amended Rough cost Estimate (1st July to 31 December 2022).				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
11	S/E of ceiling fan alongwith regulator i/c carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading on the rod, where necessary.	0	0	0	0	0	12	1	Each	462.50	5550	5550	
12	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).(a) 6" deep (i) 20~60A take size (10"x14"x6") .833x1.167x0.5=0.486-cft	0	0	0	0	0	0.9720	1	Each	18,634.45	18113	18113	
13	S/E of SMD/COB Ceiling lights 6" dia 5-8 watt round or sequare shape fixed in ceiling complete (Pak Lite)	0	0	0	0	0	50	1	Each	1400	70000	70000	
14	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" dia	0	0	0	0	0	2	1	Each	3133.00	6266	6266	
15	Earthing of iron clad/aluminum switches etc with G.I Wire No. 8 SWG in G.I pipe 15 mm (1/2") dia recessed or on surface of wall and floor complete with 1.5 meter long G.I pipe 50 mm (2" dia) with reducing socket 4 to 5 meter below ground level and 2 mete	0	0	0	0	0	2	1	Each	9592.65	19185	19185	
	<b>Public Health</b>											0	
1	Providing and fitting European Coupledset of Water Closet(WC) and flushing Cisternof PORTA brand(fullsize)/i/c the cost of CP/rubber connection,thimble,seatcoverandrawlboltscompleteinalirespectsas approved and directed by the Engineer Incharge	0	0	0	0	0	2	1	Each	19987.90	39976	39976	
2	Providing and fixing, double seat and cover only. (bakelite)	0	0	0	0	0	2	1	Each	908.60	1817	1817	
3	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	0	0	0	0	0	2	1	Each	4329.95	8660	8660	
4	Under Counter Vanity Basin	0	0	0	0	0	2	1	Each	7329.95	14660	14660	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
ii	1" Dia	0	0	0	0	0	100	1	P-Rft	106.90	10690	10690	
	<b><u>External Development Sewerage System</u></b>											0	
1	Earth work excavation in open cutting for sewers and manholes	0	0	0	0	0	1236	1000	Cft	8042.17	9940	9940	
2	P/L cement concrete brick ballast 1-1/2" to 2" gauge ratio 1:6:18.	0	0	0	0	0	61	100	Cft	19896.85	12137	12137	
3	P/L R.C.C. 1:2:4 in raft slab i/c lead 210-km	0	0	0	0	0	32	1	Cft	563.34	18027	18027	
4	Fabrication of mild steel reinforcement	0	0	0	0	0	98	100	Kg	31380.40	30753	30753	
5	Pacca brick work 1:4 other than building.	0	0	0	0	0	234	100	Cft	33795.10	79081	79081	
6	1/2" thick cement plaster 1:3 upto 20' height	0	0	0	0	0	285	100	Sft	3424.50	9760	9760	
7	P/L P.C.C. 1:2:4 i/c lead 210-km	0	0	0	0	0	9	100	Cft	48738.02	4386	4386	
8	Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.	0	0	0	0	0	38	100	Sft	2934.10	1115	1115	
9	P/F 6" thick RCC man hole cover with 3"x3"x1/4" angle iron frame 22" i/d.	0	0	0	0	0	6	1	Each	11086.50	66519	66519	
10	Providing and laying non-reinforced concrete pipe 225 mm (9") i/d wall thickness 1 inch (25 mm)	0	0	0	0	0	100	1	Rft	191.05	19105	19105	
	<b><u>External Development Tuff Paver</u></b>												
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 mm) and lift upto 5 ft in ordinary soil	0	0	0	0	0	360	1000	Cft	10677.75	3844	3844	
2	Dry rammed brick or stone ballast 1 1/2' to 2" gauge	0	0	0	0	0	90	100	Cft	9155.50	8240	8240	
3	Providing and fixing precast Edge Kerb Stone (4" to 6" thick), of 3500 PSICompressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting(i) 18" high	0	0	0	0	0	140	1	Rft	529.45	74123	74123	
4	Dry rammed brick or stone ballast 1 1/2' to 2" gauge	0	0	0	0	0	660	100	Cft	9155.50	60426	60426	
5	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4	0	0	0	0	0	228	100	Cft	48738.05	111123	111123	



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
6	P/F tuff paver 60mm havng strength 7000 psi over sand cushion 2" to 3" thick sand grouted of approved firmcomplete in all respect.	0	0	0	0	0	1822.25	1	Sft	151.35	275798	275798	
					TOTAL	24479384					35974641	11495257	
		add 3% Contingence				0					1079239	1079239	
					TOTAL(A)	24479384					37053883	12574499	
<b>B</b>	<b>Electric Installation</b>												
1	Supply and erection of PVC pipe for wiring recessed in walls, including bends, inspection joints, boxes, pull boxes, hook, cutting and repair surface etc. completed with all specified. 3/4" dia(20 mm)	500	1	Rft	61.00	30500	18880	1	P-sft	228.00	4304640		
ii	1" dia (25 mm)	2000	1	Rft	70.50	141000	0	0	0	0.00	0		
2	Supply and fixing of single core PVC insulated copper, conductor cables 3.029 (220/230) volt for wiring (rate for cable).3/0.029 Single Core	12000	1	Rft	14.05	168600	0	0	0	0.00	0		
ii	7/0.029 Single Core	6000	1	Rft	18.35	110100	0	0	0	0.00	0		
iii	7/0.036" Single Core	5000	1	Rft	25.60	128000	0	0	0	0.00	0		
iv	7/0.064" 4 core cable	1000	1	Rft	274.85	274850	0	0	0	0.00	0		
v	(19/0.052") 4 Core cable	600	1	Rft	509.85	305910	0	0	0	0.00	0		
3	S/E of gange plate with pvc box recessed type Bush made (hilife) of approved quality & colour complete in all respects by approved engineer incharge 1-3 Holes	100	1	Each	550.00	55000	0	0	0	0.00	0		
ii	1-4 Holes	200	1	Each	600.00	120000	0	0	0	0.00	0		
iii	6 Holes	200	1	Each	625.00	125000	0	0	0	0.00	0		
4	S/E of switch 10-Amp piano type single Pole (Bush hilife) complete in all respects as approved	1200	1	Each	80.00	96000	0	0	0	0.00	0		
5	S/E of Socket 10-Amp piano type single Pole (Bush hilife) complete in all respects as approved	100	1	Each	85.00	8500	0	0	0	0.00	0		






Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+/-) Excess (-/-) Saving (10-6)	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1	2	3	4	5	6	7	8	9	10	11	12
6	S/E of power plug combined recessed type 20 amp bush hilife complete as approved	80	1 Each	800.00	64000	0	0	0	0.00	0	
7	S/E of button holder bakelite.	100	1 Each	36.00	3600	0	0	0	0.00	0	
8	S/E of LED 12 watt philps making connection complete	100	1 Each	400.00	40000	0	0	0	0.00	0	
9	S/E of fan dimmr Bush /hilife (N.S)	14	1 Each	450.00	6300	0	0	0	0.00	0	
10	S/E of branch distribution board of M.S sheet with front cover of glass i/c cost of painting liner and outer connectn with thimble jumper and internal wiring 18x24 complete wall mounted front accessoires with neon light /phase indication 3-Nos amp volt meters MCB /MCC complete in all repsect MCB Terasaki 100 amp TP I NO MCB terrasaki 6-30 amp Sp 18-Nos(N.S) INCOMING 01 NO 100-Amp D P (5-K-A) Terasaki japan 01 No 60-Amp volt meter (0-500 Amp)indiator neon light OUT GOING 6-Nos 6/20-Amp MCB single phase (6-KA) Terasaki japan (N.S)	2	1 Each	50000.00	100000	0	0	0	0.00	0	
11	S/E of SMD/COB Ceiling lights 4" dia 5-8 watt round or sequire shape fixed in ceiling complete.(Pak Lite)	550	1 Each	750.00	412500	0	0	0	0.00	0	
12	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer incharge. Plastic body 12" dia	20	1 Each	2500.00	50000	0	0	0	0.00	0	
13	Earthing of iron clad/aluminum switches etc with G.I Wire No. 8 SWG in G.I pipe 15 mm (1/2") dia recessed or on surface of wall and floor complete with 1.5 meter long G.I pipe 50 mm (2" dia) with reducing socket 4 to 5 meter below ground level and 2 mete	2	1 Each	7112.75	14226	0	0	0	0.00	0	
				<b>TOTAL B</b>	<b>2254086</b>					<b>4304640</b>	<b>2050555</b>




Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+)Excess (-) Saving (10-6)	Remarks		
		Qty	Unit		Rate	Amount	Qty	Unit				Rate	Amount
1	2	3	4		5	6	7	8		9	10	11	12
10	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge	6	1	Each	5500.00	33000	0	0	0	0.00	0		
11	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower	3	1	Each	1576.25	4729	0	0	0	0.00	0		
12	P/Fof Sonex/Master/Faisal Master Wall Shower open Type	2	1	Each	31978.80	63958	0	0	0	0.00	0		
13	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium quality ¾"	150	1	P-Rft	151.95	22793	0	0	0	0.00	0		
b	.....do..... 1" dia	200	1	Rft	227.05	45410	0	0	0	0.00	0		
14	Providing, laying, cutting, jointing, testing and disinfecting.PPRC pipeline beta quality complete 25mm	200	1	Rft	47.00	9400	0	0	0	0.00	0		
ii	.....do..... 32 mm	200	1	Rft	71.00	14200	0	0	0	0.00	0		
15	P/F PPRC Male elbow 25x1/2 mm	40	1	Rft	141.00	5640	0	0	0	0.00	0		
16	P/F PPRC Male elbow 32x3/4 mm	40	1	Rft	149.00	5960	0	0	0	0.00	0		
17	P/F PPRC reducer Elbow 32x25 mm	40	1	Rft	97.00	3880	0	0	0	0.00	0		
18	P/F PPRC Socket 25 mm	40	1	Rft	36.00	1440	0	0	0	0.00	0		
19	P/F PPRC Female Socket 25x1/2 mm	40	1	Rft	91.00	3640	0	0	0	0.00	0		
20	P/F PPRC Female Socket 32x25 mm	40	1	Rft	45.00	1800	0	0	0	0.00	0		
21	Providing, laying, cutting, jointing, testing and disinfecting P.V.C. pipe line with 'B' Class working pressure pipe, in trenches, complete in all respects						0	0	0	0.00	0		
i	2" diameter class d	200	1	Rft	147.85	29570	0	0	0	0.00	0		



Sr. No.	Description	As per Approved Rough cost Estimate (1st July to 31st December 2021)				As per Amended Rough cost Estimate (1st July to 31 December 2022)				(+ )Excess (-) Saving (10-6)	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1	2	3	4	5	6	7	8	9	10	11	12
								TOTAL	13900		
	G. TOTAL (A+B+C+D+F)				27920256				45495186	17574930	
	D/d Cost of old material				457976				1064700	606724	
	Net Total				27462280				44430486	16968206	
	Add 3% Contegence				823868				0	-823868	
	Add 5% PST				1373114				2221524	848410	
	G.Total:				29659262				46652010	16992748	
	Say RS:				29659000				46652000	16993000	
	G.Total:				29.650-M				46.652-M	17.000-M	



  
 Sub-Divisional Officer  
 Buildings Sub Division  
 Chunian

  
 Executive Engineer  
 Buildings Division  
 Kasur



**ABSTRACT OF COST**  
**MAIN BUILDING**

<u>Sr.</u> <u>No.</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1	Main Building (T.H.Q)	23,020,173
2	Construction of Entrance Lobby& Staff Room.	14,033,700
	<b>Total</b>	<b>37,053,874</b>

  
SUB DIVISIONAL OFFICER  
BUILDINGS SUB DIVISION  
 CHUNIAN





### ABSTRACT OF COST (MAIN BUILDING)

Sr. No	Description of Item	Qty	Unit		Rate	Amount
1	Removing doors with chowkat	60	1	Each	438.00	26280
2	Removing windows and sky lights with chowkat.	126	1	Each	341.50	43029
3	Removing windows and sky lights with chowkat.(Grills)	132	1	Each	341.50	45078
4	Dismantling glazed or encaustic tiles, etc.	2135	100	Sft	2335.85	49879
5	Dismantling cement concrete 1:2:4 plain.	839	100	Cft	11174.60	93730
6	Pacca brick work in ground floor Ratio 1:4	121	100	Cft	33795.10	40871
7	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4 i/c lead 210-KM	842	100	Cft	48738.05	410211
8	Cement pointing 1:2 flush on floor.	10801	100	Sft	2604.35	281302
9	Dismantling brick work with cement mortar or lime mortar	124	100	Cft	4317.45	5343
10	Pacca brick work in ground floor Ratio 1:4	13	100	Cft	33795.10	4309
11	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 1:2:4 i/c lead 210-KM	137	1	Cft	662.09	90851
12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement Deformed Grade 40	420	100	Kg	31380.40	131666
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. 1:3 after scraping	1491	100	Sft	4499.10	67093
14	Pacca Brick Work in S/C mortar 1:6 in Ground Floor	1329	100	Cft	33223.35	441460
15	Removing cement or lime plaster.	21399	100	Sft	423.30	90580
16	Cement plaster 1:4 upto 20' (6.00 m) height:- 1/2" (13 mm) thick	25196	100	Sft	3245.95	817858
17	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement and mortar i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. china verona	1420	1	Sft	412.35	585331
18	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of approved manufacturer having frame size of 100 x 20 mm (4"x3/4") 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 (1.6 mm thick section)	2667	1	Sft	1348.40	3595509
19	Providing and fixing Aluminum Flyscreen comprising of Fiber/Aluminum wire gauze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardware as approved and directed by the engineer incharge. complete in all respect (1.6 mm thick section take as per above items no 21 50%)	1333	1	Sft	493.05	657359
20	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge 3/8" Squar Bars	2667	1	Sft	854.15	2277591
21	Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1 1/2"x1 1/2"x3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge	2333	1	Sft	1234.00	2879231



22	Providing and fixing 2"wide MS/GI Chowkat singel/double rebate made of 16SWGMSsheetpressed/welded/supportedwith M.S.flat 1-1/4"x1/8" i/c 6"long M.S.Flat 1"x1/8"hold fasts(6-Nos)welded/screwed,punching of lockholecoveredwithMSBox,coatingwithantirustpaintinclu dingfillingwithcementsandmortar(1:8)andembeddingholdf astincementconcrete(1:2:4),completeinallrespectasappr oved and directed by Engineer Incharge. 10.50 " wide	1169	1	Sft	621.90	727001
23	Providing and fixing 1 1/2" thick solid flush door comprising of 2.5mmthick Deodar/Ash/Oakply withgrooves,compressedover2.5mmthickcommercialplyo ver1"thickpackingwoodinstyleandrailsunderproperpressu re i/c the cost of nails, tower bolt, handles, glue, sawing charge sand lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick matching wooden liping as approved and directed by the Engineer Incharge.	1306	1	Sft	678.55	885847
24	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of, hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge.	210	1	Sft	1150.00	241500
25	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bondover 3/4"thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Inchargea) Full body Glazed tiles 600mmx 600 mm (For Floor)	1660	1	Sft	340.55	565270
26	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand skirting/dado of specified size, of specified size in approved design, Color and Shade with adhesive/bondover 3/4"thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Inchargea) Full body Glazed tiles 600 mm x 600 mm (For Dado)	2476	1	Sft	340.55	843287
27	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4"thick(1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge: For Floor) 12"x36"	620	1	Sft	240.00	148830
28	Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4"thick(1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge. For Floor) (For Dado) 12"x36"	1437	1	Sft	292.75	420609
29	P/L 1-1/2"(40 mm) thick mosaic flooring, consisting of 1/2 "(13mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing With out polishing complete with finishing :- (using grey cement)	3863	100	Sft	19423.00	750286
30	P/L marble strips 1-1/2" x 3/8" for dividing floor	2318	1	Rft	19.80	45891
31	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 (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections, including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handle etc., and hardware any required as approved by the engineer in-charge.	179	1	Sft	1437.60	256612



32	Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/8" (20x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	298	1	Sft	1596.30	474899
33	Providing and laying fair face Gutka cladding laid in (1:2) cement/red posso mortar having 1/4" thick groove finish i/c cost of 8SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respects as approved and directed by the Engineer In Charge. 2-1/4" x 2-1/4" x 9"	1939	1	Sft	181.45	351888
34	Preparing surface and painting with emulsion paint:- 3-coat on new surface	17430	100	Sft	2917.75	508549
35	Preparing surface and painting with emulsion paint:- 2-coat on old surface after scraping	23687	100	Sft	2796.55	662419
36	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect. Old surface one coat	10666	100	Sft	1925.45	205377
37	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect. On new surface 2-coat	4529	100	Sft	5245.30	237547
38	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hardware complete in all respects as approved and directed by the Engineer In Charge. (Brass) 12" dia	46	1	Each	926.00	42596
39	10" dia	12	1	Each	646.00	7752
40	Providing and fixing class room almirah consisting of 1" (25 mm) thick solid flush shutter with deodar wood lipping 3/4" (6 mm) thick all around (Approved Factory Manufactured) fixed in deodar wood frame 3"x1" (75mm x 25mm) including full hinges C.P. fittings with RCC (1:1 1/2:3) shelves 1 1/2" (40 mm) thick including 3 coats of painting.	83	1	P-Sft	835.90	68962
41	Providing and fixing 2"x2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer In Charge. N.S	400	1	P-Rft	610.00	244000
42	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mm X 600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer In Charge.	288	1	SFT	550	158400
43	Supply and installation anti microbial Hygienic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer In Charge.	288	1	SFT	700	201600
44	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channel of size 3.5" X 2" X 3.5" duly screwed on wall i/c the cost of hardware as approved and directed by the Engineer In-charge	680	1	SFT	2450	1666000
<b>Total Amount=</b>						<b>22349683</b>

ADD 3% Contingencies

670,490

23,020,173

SUB DIVISIONAL OFFICER  
BUILDINGS SUB DIVISION  
M CHUNIAN



## DETAIL OF QUANTITIES OF MAIN BUILDING

1 Removing doors with chowkat						
Dw2				2	Nos	
D-2				12	Nos	
D-3				22	Nos	
D-4				12	Nos	
D-5 +OMS Hall				12	Nos	
Total=				60	Nos	
2 Removing windows and sky lights with chowkat.						
W-1				20	Nos	
Cw				27	Nos	
W-2				5	Nos	
W-3				8	Nos	
W-4				43	Nos	
W-5				4	Nos	
W-7				6	Nos	
W-8				3	Nos	
W-9				4	Nos	
W-11				6	Nos	
Total=				126	Nos	
3 Removing windows and sky lights with chowkat.( grill) etc						
				126	Nos	
Grill				6	Nos	
Total=				132	Nos	
4 Dismantling glazed or encaustic tiles, etc.						
X-Room	1	18	16	288	Sft	
Dis	1	16	12	192	Sft	
lab Bath	1	7	7.625	53	Sft	
lav	2	14	20	560	Sft	
Lab bath	2	2x(7+7.625)	4	228	Sft	
WC	4	2x(5+4)	4	288	Sft	
WC	1	2x(5+3.5)	4	68	Sft	
Lav	2	2x(8.625+20)	4	458	Sft	
Total=				2135	Sft	
5 Dismantling cement concrete 1:2:4 plain.						
x-Room	1	18	16	1/8	36	Cft
Dis	1	16	12	1/8	24	Cft
lab Bth	1	7	7.625	1/8	7	Cft
Lav/M	2	14	20	1/8	70	Cft
Waiting	2	14	16	1/8	56	Cft
Emergency	1	12	16	1/8	24	Cft
office	1	14	16	1/8	28	Cft
record	1	8	16	1/8	16	Cft
P.P F/Side	2	65 1/4	6.75	1/8	110	Cft
Plinth R/side & L	2	43 1/2	3 1/4	1/8	35	Cft
	4	79 1/4	3 1/4	1/8	129	Cft
	2	65	3 1/4	1/8	53	Cft
	4	66 1/8	3 1/4	1/8	107	Cft
	2	26 3/8	3 1/4	1/8	21	Cft
	2	66	3 1/4	1/8	54	Cft
Back side	1	168 3/4	3 1/4	1/8	69	Cft
Total=				839	Cft	
6 Pacca brick work in ground floor Ratio 1:4						
New WC wall	2	5 3/8	0.75	1/4	2	Cft
	2	5 3/8	0.375	8 1/2	34	Cft
	3	3 1/2	0.75	1/4	8	Cft
	3	3 1/2	0.375	8 1/2	33	Cft
N.Counter& Stair area	3	7	0.75	3	16	Cft
	3	6 1/4	0.75	3	14	Cft
	9	2	0.75	3	14	Cft
Total=				121	Cft	
7 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): 1:2:4						
As per above item	5				839	Cft
Door sill	7	2 1/2	0.375	1/8	1	Cft





	4	3 1/2	0.75	1/8	1	Cft
				Total=	842	Cft
8 Cement pointing 1:2 flush on floor.						
Main Building of Roof						
X-ray, OT Block	1	139 1/4	28 7/8		4021	Sft
Wards	2	45 1/2	46 5/8		4243	Sft
	1	72 1/2	35		2538	Sft
				Total=	10801	Sft
9 Dismantling brick work with cement mortar or lime mortar.						
Clean utility wall	1	9	3/4	11	74	Cft
Opening for window 2	2	6	3/4	5 1/2	50	Cft
				Total=	124	Cft
10 Pacca brick work in ground floor Ratio 1:4						
Vanity	4	2	0.375	2 1/2	8	Cft
	2	7	0.375	2 1/2	5	Cft
				Total=	13	Cft
Reinforced cement concrete in roof slab, beams, columns lintels, girders and other						
11 structural members laid in situ or precast laid in position, or prestressed members cast First						
Floor 1:2:4 (210KM lead)						
Beam N/S	1	20 1/4	3/4	1	15	Cft
Beam Lab	1	10 5/8	3/4	1	8	Cft
C.Slab	3	7	2	1/3	42	Cft
	3	4	2	1/3	24	Cft
Vanity Slab	2	7	2	1/3	28	Cft
WC Door	1	8 1/2	3/8	1/2	3	Cft
New Window	2	7 1/2	1 1/8	3/4	17	Cft
				Total=	137	Cft
12 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending,						
		137	6.75	0.453	420	Kg
13 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. 1:3 after scraping						
Roof Projection and window shade Repairing						
F/S	1	125	2 1/2		313	Sft
L/S R/S	2	43 1/2	2 1/2		218	Sft
Corridor	4	53 7/8	2 1/2		539	Sft
OT ward	2	79 1/4	2 1/2		396	Sft
	1	27 1/8	2 1/2		68	Sft
Xray ward	2	50 1/2	2 1/2		253	Sft
	1	27 1/8	2 1/2		68	Sft
Wards Block	2	163 1/4	2 1/2		816	Sft
	2	62 5/8	2 1/2		313	Sft
				Total=	2983	Sft
			50%		1491	Sft
14 Pacca Brick Work in S/C mortar 1:6 in Ground Floor						
Close Grill	7	7 1/4	1 1/8	4 1/2	257	Cft
uper side	7	7 1/4	1 1/8	1	57	Cft
W1(CW)	18	7	1 1/8	2	284	Cft
W-2	5	6	1 1/8	2	68	Cft
W-3	9	5	1 1/8	2	101	Cft
W-4	54	4	1 1/8	2	486	Cft
W-5	4	4	1 1/8	2	36	Cft
W-7	6	3	1 1/8	2	41	Cft
				Total=	1329	Cft
15 Removing cement or lime plaster.						
M.S Office	1	2x(24+16)		11	880	Sft
	6	2x(12+16)		3	1008	Sft
	8	2x(14+16)		3	1440	Sft
Exam. Toilet	4	2x(8+7.625)		3	375	Sft
Entrance Hall	1	2x(14+18)		3	192	Sft
Dental Tech/Store	2	2x(10+16)		3	312	Sft
Record	1	2x(8+16)		3	144	Sft
Verandah 7'	1	2x(122.75+7)		3	779	Sft
Stair Hall	1	2x(22+16)		3	228	Sft



Dispensary	1	2x(16+22)	3	228	Sft
Verandah 7'	2	2x(53.875+7)	3	731	Sft
	3	2x(18+16)	3	612	Sft
Sterilization	2	2x(12+10)	3	264	Sft
Scrub up	1	2x(12+6)	3	108	Sft
Toilet	1	2x(6+5)	3	66	Sft
Lavotry, Cub	3	2x(5.25+5)	3	185	Sft
Film, Dark Room	3	2x(7+5)	3	216	Sft
Dry Room	4	2x(14+20)	3	816	Sft
Wards	4	2x(28+20)	3	1152	Sft
Children Ward	2	2x(12+14)	3	312	Sft
Stair Hall	1	2x(20+14)	3	204	Sft
Staff Toilet	1	2x(8+6.625)	3	88	Sft
Staff Lavotry	1	2x(8+7.625)	3	94	Sft
Doctor Room	1	2x(14+14)	3	168	Sft
Clean Utility/Treatment	2	2x(9+14)	3	276	Sft
Single Ward Bed	5	2x(10+14)	3	630	Sft
Dirty Utility	2	2x(10+8)	3	216	Sft
Linen	2	2x(10+8)	3	216	Sft
Munty O/s	2	2x(18.5+24.5)	8 1/2	1462	Sft
	2	2x(18.5+24.5)	20	3440	Sft
Off set of main Building		A	Total	17430	Sft
F/Side	2	65 1/4	3	392	Sft
plinth R/side	1	43 1/2	3	131	Sft
	2	79 1/4	3	476	Sft
	1	65	3	195	Sft
	2	66 1/8	3	397	Sft
	1	26 3/8	3	79	Sft
	1	66	3	198	Sft
Back side	2	45 3/8	3	272	Sft
	1	72 1/2	3	218	Sft
	2	8	3	48	Sft
	2	15	3	90	Sft
L/side	1	43 1/2	3	131	Sft
	2	79 1/4	3	476	Sft
	1	65	3	195	Sft
	2	66 1/8	3	397	Sft
	1	26 3/8	3	79	Sft
	1	66	3	198	Sft
		B	Total	3969	Sft
		A+B	G.Total	21399	Sft
16 Cement plaster 1:4 upto 20' (6.00 m) height:- 1/2" (13 mm) thick					
Same Quantity As Removing plaster from walls				21399	Sft
Parapit	1	129	2 3/4	355	Sft
	2	46	2 3/4	253	Sft
	1	35 7/8	2 3/4	99	Sft
	1	38 5/8	2 3/4	106	Sft
	1	44 1/4	2 3/4	122	Sft
	1	30 3/8	2 3/4	84	Sft
	3	53 7/8	2 3/4	444	Sft
	1	20 5/8	2 3/4	57	Sft
	2	54 1/2	2 3/4	300	Sft
	2	79 1/4	2 3/4	436	Sft
	2	28 7/8	2 3/4	159	Sft
	4	47 3/8	2 3/4	521	Sft
	2	65 1/8	2 3/4	358	Sft
	2	22 1/8	2 3/4	122	Sft
	2	5	2 3/4	28	Sft
	1	72 1/2	2 3/4	199	Sft
	1	56 7/8	2 3/4	156	Sft
			Total =	25196	Sft

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



Providing and fixing 2" wide MS/GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded/supported with M.S. flat 1-1/4" x 1/8" i/c 6" long M.S. Flat 1" x 1/8" hold fasts (6-Nos) welded/screwed/punching of lock hole covered with MS Box, coating with anti-rust paint including filling with cement sand mortar (1:2:4) and embedding hold fast in cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. 10.50" wide

D-2	12	4 1/2	7	378	Sft
D-3	22	3 1/2	7	539	Sft
D-4	12	3	7	252	Sft
Total=				1169	Sft

Providing and fixing 1 1/2" thick solid flush door comprising of 2.5mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1" thick pack ing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing c harges and lacquar polishing to show the grains of ply properly, sand papering and 3/8" thick match in g wooden liping as approved and directed by the Engineer Incharge.

D-2	12	4 1/2	7	378	Sft
D-3	25	3 1/2	7	613	Sft
D-4	15	3	7	315	Sft
Total=				1306	Sft

Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mm x 64mm and leaf frame 60 mm x 106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge.

D-5	12	2 1/2	7	210	Sft
Total=				210	Sft

Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge a) Full body Glazed tiles 600 mm x 600 mm (For Floor)

x-Room	1	18	16	288	Sft
Dis	1	16	12	192	Sft
lab Bth	1	7	7.625	53	Sft
Wating	2	14	16	448	Sft
Emergency	1	12	16	192	Sft
office	1	14	16	224	Sft
record	1	8	16	128	Sft
Dark	1	7	5.5	39	Sft
Stair area	1	16	6	96	Sft
Total=				1660	Sft

Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand skirting/dado of specified size, of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge a)

Full body Glazed tiles 600 mm x 600 mm (For Dado)

Wating	4	14	4	224	Sft
	4	16	4	256	Sft
EMR	2	12	4	96	Sft
	2	16	4	128	Sft
office	2	14	4	112	Sft
	2	16	4	128	Sft
Reourd	2	8	4	64	Sft
	2	16	4	128	Sft
Dsi	2	16	4	128	Sft
	2	22	4	176	Sft
Store	2	12	4	96	Sft
	2	16	4	128	Sft
X-Room	2	18	4	144	Sft
	2	16	4	128	Sft
film	2	7	4	56	Sft
	2	5	4	40	Sft



	2	5 1/2	4	44	Sft
Counter 3x2	6	7	3	126	Sft
	6	2	3	36	Sft
	6	3	2	108	Sft
Bottom	3	11	2.25	74	Sft
				<b>Total=</b>	<b>2476 Sft</b>

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

Lav + WC	2	14	20	560	Sft
Lab bath	1	7	7.625	53	Sft
Door cill	3	3	0.75	7	Sft
				<b>Total=</b>	<b>620 Sft</b>

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

WC 5x2	10	5	7	350	Sft
	10	3 1/2	7	245	Sft
WC 1x2	2	5	7	70	Sft
	2	4	7	56	Sft
New WC 2x2	4	5	7	140	Sft
	4	3 1/2	7	98	Sft
Lav 1x2	2	14	7	196	Sft
	2	20	7	280	Sft
Lab bath 1x2	2	7	7	98	Sft
	2	7 5/8	7	107	Sft
				<b>Total=</b>	<b>1640 Sft</b>

D/d					
D5	8	2 1/2	7	140	Sft
	3	3	7	63	Sft
				<b>Total=</b>	<b>203 Sft</b>
				<b>NET</b>	<b>1437 Sft</b>

29 P/L 1-1/2" (40 mm) thick mosaic flooring, consisting of 1/2" (13mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, including rubbing With out polishing complete with finishing :- (using grey cement)

P.P F/Side	2	65 1/4	6.75	881	Sft
Plinth R/side & L	2	43 1/2	4	348	Sft
	4	79 1/4	1	317	Sft
	2	65	4	520	Sft
	4	66 1/8	4	1058	Sft
	2	26 3/8	4	211	Sft
	2	66	4	528	Sft
				<b>Total=</b>	<b>3863 Sft</b>

30 P/L marble strips 1-1/2" x 3/8" for dividing floor

As per above item No.	29	x60%	2318	Rft
			<b>Total=</b>	<b>2318 Rft</b>

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

Dw2	3	7	8 1/2	179	Sft
				<b>Total=</b>	<b>179 Sft</b>





Providing and fixing collapsible gate made of 2"x2"x1/4" (50x50x6 mm) ice iron at top and bottom, channel iron verticals 3/4"x1/4"x1/4"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/4"x1/8" (20x6x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

Dw-1	1	14.00	8 1/2	119	Sft
Dw-2	3	7	9	179	Sft
Total=				298	Sft

Providing and laying fair face Gutka cladding laid in (1:2) cement/red posso mortar having 1/4" thick groove finish i/c cost of 8SWG wire net shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respects as approved and directed by the Engineer Incharge. 2-1/4" x 2-1/4" x 9"

F/S	1	125	12 1/2	1563	Sft
R/Side	1	43 1/2	12 1/2	544	Sft
	1	49 1/8	12 1/2	614	Sft
Total=				2720	Sft

**Deduction**

W-1	11	7	5 1/2	424	Sft
Windows set-back	11	7	3	231	Sft
W-2	1	6	5 1/2	33	Sft
W-3	1	5	5 1/2	28	Sft
W-4	3	4	5 1/2	66	Sft
Total=				781	Sft
Net Total=				1939	Sft

34 Preparing surface and painting with emulsion paint:- 3-coat on new surface

As per above item	15	A		17430	Sft
Total =				17430	Sft

35 Preparing surface and painting with emulsion paint:- 2-coat on old surface after scraping

M.S Office	1	2x(24+16)	7	560	Sft
	6	2x(12+16)	7	2352	Sft
	8	2x(14+16)	7	3360	Sft
Exam. Toilet	4	2x(8+7.625)	7	875	Sft
Entrance Hall	1	2x(14+18)	7	448	Sft
Dental Tech/Store	2	2x(10+16)	7	728	Sft
Record	1	2x(8+16)	7	336	Sft
Verandah 7'	1	2x(122.75+7)	7	1817	Sft
Stair Hall	1	2x(22+16)	7	532	Sft
Corridor 8' W	2	2x(29.125+8)	7	1040	Sft
Corridor 8' W	1	2x(16+8)	7	336	
Dispensary	1	2x(16+22)	7	532	Sft
Verandah 7'	2	2x(53.875+7)	7	1705	Sft
	3	2x(18+16)	7	1428	Sft
Sterilization	2	2x(12+10)	7	616	Sft
Scrub up	1	2x(12+6)	7	252	Sft
Toilet	1	2x(6+5)	7	154	Sft
Lavatory Cub	3	2x(5.25+5)	7	431	Sft
Film, Dark Room	3	2x(7+5)	7	504	Sft
Dry Room	4	2x(14+20)	7	1904	Sft
Wards	4	2x(28+20)	7	2688	Sft
Children Ward	2	2x(12+14)	7	728	Sft
Stair Hall	1	2x(20+14)	7	476	Sft
Staff Toilet	1	2x(8+6.625)	7	205	Sft
Staff Lavatory	1	2x(8+7.625)	7	219	Sft
Doctor Room	1	2x(14+14)	7	392	Sft
Clean Utility/Treatment	2	2x(9+14)	7	644	Sft
Single Ward Bed	5	2x(10+14)	7	1470	Sft
Dirty Utility	2	2x(10+8)	7	504	Sft
Linen	2	2x(10+8)	7	504	Sft



Deduction					
As per above item	34			17430	Sft
Grill	14	5 1/2	4 1/2	347	Sft
	2	7 1/4	4 1/2	65	Sft
	11	6 1/2	4 1/2	322	Sft
DW1	1	14	2 1/2	35	Sft
DW2	3	7	2 1/2	53	Sft
D1	8	5	3	120	Sft
D-2	11	4 1/2	3	149	Sft
D-3	21	3 1/2	3	221	Sft
D-4	11	3	3	99	Sft
D-5	10	2 1/2	3	75	Sft
W-1	21	7	4 1/2	662	Sft
W-2	5	6	4 1/2	135	Sft
W-3	9	5	4 1/2	203	Sft
W-4	56	4	4 1/2	1008	Sft
W-5	4	4	3	48	Sft
W-6	13	2	5 1/2	143	Sft
W-7	6	3	3	54	Sft
W-8	3	2	3	18	Sft
W-9	4	2	2	16	Sft
W-11	6	8 1/2	5 1/2	281	Sft
			Total=	4051	Sft
			Net Total=	23687	Sft

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

As per item No	13	50%		1491	Sft
Back side	2	45 3/8	14 1/2	1316	Sft
	1	72 1/2	14 1/2	1051	Sft
	2	8	14 1/2	232	Sft
	2	15	14 1/2	435	Sft
L/side	1	43 1/2	14 1/2	631	Sft
	2	79 1/4	14 1/2	2298	Sft
	1	65	14 1/2	943	Sft
	2	66 1/8	14 1/2	1918	Sft
	1	26 3/8	14 1/2	382	Sft
	1	66	14 1/2	957	Sft
OMS hall	2	29 1/4	13 1/2	790	Sft
			Total =	12444	Sft
D/d					
W1	7	7	5 1/2	270	Sft
W11	6	8 1/2	5 1/2	281	Sft
W5	1	4	3	12	Sft
W6	13	2	5 1/2	143	Sft
W4	14	4	5 1/2	308	Sft
Grill-3	11	7 1/2	4 1/2	371	Sft
DW2	3	7	8 1/2	179	Sft
GI	6	6 1/2	5 1/2	215	Sft
			Total =	1777	Sft
			Net	Total =	10666 Sft

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

As per item No	13	50%		1491	Sft
Parapit	1	129	2 3/4	355	Sft
	2	46	2 3/4	253	Sft
	1	35 7/8	2 3/4	99	Sft
	1	38 5/8	2 3/4	106	Sft
	1	44 1/4	2 3/4	122	Sft
	1	30 3/8	2 3/4	84	Sft
	3	53 7/8	2 3/4	444	Sft
	1	20 5/8	2 3/4	57	Sft



	2	28 7/8	2 3/4	159	Sft
	4	47 3/8	2 3/4	521	Sft
	2	65 1/8	2 3/4	358	Sft
	2	22 1/8	2 3/4	122	Sft
	2	5	2 3/4	28	Sft
	1	72 1/2	2 3/4	199	Sft
	1	56 7/8	2 3/4	156	Sft
Mumty S/wall	2	18 1/2	8 1/2	315	Sft
L wall	2	24 1/2	8 1/2	417	Sft
Total=				4529	Sft

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

D-2	12		1	12	No
D-3	22		1	22	No
D-4	12		1	12	No
Total=				46	No

39 10" dia

D-5	12		1	12	No
Total=				12	No

40 Providing and fixing class room almirah consisting of 1" (25 mm) thick solid flush shutter with deodar wood lipping 1/4" (6 mm) thick all around (Approved Factory Manufactured) fixed in deodarwood frame 3"x1" (75mm x 25mm) including full hinges C.P. fittings with RCC (1:1 1/2:3) shelves 1 1/2" (40 mm) thick including 3 coats of painting.

Counter	3	7	2 1/2	53	Sft
	3	4	2 1/2	30	Sft
Total=				83	Sft

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

	400	Rft
Total=	400	Rft

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

(b) Bevelled edges & flange 21.5

mm					
(iii) 600 mmX 600 mm	1	18	16	288	Sft
OT Roof				Total=	288 Sft

43 Supply and installation anti microbial Hygenic flooring (with anti bacterial agent ) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.

OT floor	1	18	16	288	Sft
Total=				288	Sft

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

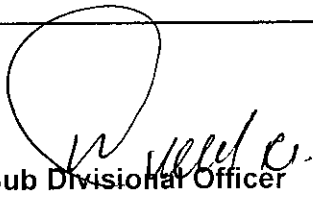
(b) 2.5mm thick					
OT Walls	2	18	10	360	Sft
	2	16	10	320	Sft
Total=				680	Sft



## CONSTRUCTION OF ENTARCE LOBBY & STAFF ROOMS

### GENERAL ABSTRACT OF COST

Sr. No	Description	Amount
1	Building Portion	11,964,888
2	Electric Installation	667,416
3	Public Health	208,385
4	External Development	784,270
	<b>TOTAL</b>	<b>13,624,959</b>
	Add 3% Contingency Charges	408,749
	<b>G.Total</b>	<b>14,033,707</b>
		<b>14,033,700</b>

  
 Sub Divisional Officer  
 Buildings Sub Division  
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# CONSTRUCTION OF ENTARCE LOBBY & STAFF ROOMS

## ABSTRACT OF COST

Sr. No.	Description of Item	Qty	Unit		Rate	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. in ordinary soil. By Manual	5655	1000	Cft	10677.75	60383
2	P/L C.C brick or stone ballast 1½" to 2" gauge in F/P (1:6:18).	1282	100	Cft	21354.85	273823
3	P/L Dry rammed brick or stone ballast 1½" to 2" gauge.	263	100	Cft	9155.50	24079
4	Pacca Brick work (1:6) in foundation	4139	100	Cft	31039.55	1284727
5	P/L 1-1/2" thick DPC (1:2:4) with one coat of bituman and one coat of polythen sheet 500 gauge.	803	100	Sft	8660.50	69560
6	P/L Vertical D.P.C with 1/2" thick cement sand plaster (1:3) with one coat of bituman and one coat of polythen sheet 500 gauge.	322	100	Sft	5682.65	18298
7	F/W/R earth under floor with surplus earth from foundation etc.	3770	1000	Cft	5090.45	19191
8	F/W/R earth under floors with new earth excavated from outside, lead upto one mile.	4102	1000	Cft	15777.65	64720
9	Pacca brick work C/S mortar (1:6) in G/F.	4230	100	Cft	33223.35	1405348
10	Pacca brick work C/S mortar (1:4) in G/F.	154	100	Cft	34894.10	53737
11	P/L R.C.C(1:2:4) in roof slab beam columns lintels, girders and other structural members laid in situ or precast laid in position, or restressed members cast in situ, complete in all respects: with horizontal shuttering. (Using Course Sand) i/c lead 210-km	1792	1	Cft	662.09	1186465
12	P/L R.C.C (1:2:4) in slab of rafts / strip foundation, base slab of column and retaining walls; etc complete in all respects: with horizontal shuttering. (Use Chanab Sand) i/c lead 210-km	5	1	Cft	563.34	2817
13	Fabrication of mild steel reinforcement for cement concrete, i/c cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (Deformed bars G-40).	5507	100	Kg	31380.40	1728119
14	P/L 1/2" thick cement sand plaster (1:3) on wall with one coat of 10lbs bituman i/c polythen sheet 500	351	100	Sft	5456.00	19156
15	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, (1:3) upto 20' height.	3121	100	Sft	3708.60	115745
16	1/2" Thick Cement plaster (1:4) upto 20' height.	6190	100	Sft	3245.95	200920
17	Cement pointing struck joints, on walls upto 20' hieght (1:2) i/c red oxide pigment.	406	100	Sft	4170.85	16934



18	P/L Single layer of tiles 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand (1:3) on top of RCC roof slab, provided with 34 lbs. per % Sft. bitumen coating and polythen sheet 500 gauge.	2578	100	Sft	12173.40	313830
19	P/L P.C.C (1:2:4) i/c placing, compacting, finishing and curing complete i/c lead 210-km	6	100	Cft	48738.02	2924
20	P/F PVC pipe line BSS with D Class working pressure 4" dia	87	1	Rft	757.95	65942
21	Providing and installing P.V.C. bends, of B.S.S. Class 'D' working pressure: 4" i/d (100 mm)	12	1	Each	795.55	9547
22	Providing and fixing 2" wide MS/GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded/supported with M.S. flat 1-1/4"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold fasts (6-Nos) welded/screwed, punching lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding in concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge. 10.50" wide	147	1	Sft	1150.00	169050
23	Providing and fixing 1 1/2" thick solid flush door comprising of 2.5mm thick Deodar/Ash/Oak ply with grooves, compressed over 2.5mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges and lacquar polishing to show the grains of ply properly, sandpapering and 3/8" thick matching wooden liping as approved and directed by the Engineer Incharge.	134	1	Sft	678.55	90926
24	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardware, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge.	53	1	Sft	2024.90	107320
25	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" x4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	187	1	Sft	1437.60	268831
26	P/F iron sliding bolt 10" long	6	1	Each	410.00	2460
27	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	470	1	Sft	854.15	401451

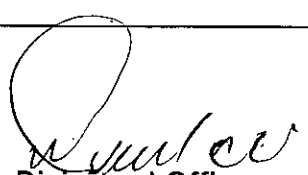


28	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	470	1	Sft	1348.40	633748
29	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 gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.	235	1	Sft	493.05	115867
30	P/F class room almirah consiting of 1" thick solid flush shutter with deodar wood lipping 1/4" thick all around fixed in deodar wood frame (3"x1") i/c full hinges C.P. fittings with RCC (1:1 1/2:3) shelves 1 1/2" thick including 3 coats of painting.	120	1	Sft	835.90	100308
31	S/F sand under floor, or plugging in wells.	948	100	Cft	2943.30	27902
32	P/L Dry rammed brick or stone ballast 1 1/2" to 2" gauge.	948	100	Cft	9155.50	86794
33	P/L P.C.C 1:2:4 complete.i/c lead 210-km	300	100	Cft	48738.02	146214
34	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design ,Color and Shade with adhesive /bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(i=600 mm x 600 mm Full body Glazed tiles)(For Floor)	2271	1	Sft	340.55	773389
35	Providing and laying superb quality Porcelain glazed tiles of MASTER brand,skirting/dado of specified size in approved design ,Color and Shade with adhesive /bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(i=600 mm x 600 mm Full body Glazed tiles)(For skirting/dado)	2453	1	Sft	340.55	835369
36	Providing and laying superb quality Ceramic tile floors of Master brand of specified size,Glossy/Matt/Textureofapproved Color and Shade as per approved design with adhesivebond, over 3/4"thick(1:2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respectsand as approved and directed by the Engineer Incharge. For Floor) 12"x36")	151	1	Sft	240.00	36240
37	Providing and laying superb quality Porcelain glazed tiles of MASTER brand,skirting/dado of specified size in approved design ,Color and Shade with adhesive /bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.(i=400 mm x 400 mm Full body Glazed tiles)(For skirting/dado)	144	1	Sft	292.75	42156
38	Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities / Shelves / Treads / Window Cills,having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. (i) China Verona	571	1	Sft	412.35	235349

92



39	P/L 1-1/2" (40 mm) thick mosaic flooring, consisting of 1/2" (13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" (25 mm) thick floor of 1:2:4 cement concrete, with rubbing and polishing complete with finishing using grey cement.	811	100	Sft	19,573.00	158737
40	P/F marble strip of any shade, for dividing the mosaic flooring into panels (1-1/2"x3/8").	833	1	Rft	19.80	16493
41	P/L 1 1/2" (40 mm) thick conglomerate flooring (two coat work) with top layer of 1/2" thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 3/16" sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:-	578	100	Sft	10433.90	60308
42	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick (1:3) cement plaster or the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mm x 300mm	80	100	Sft	211.60	169
43	Providing and laying fair face Gutka cladding laid in (1:2) cement/ red posso mortar having 1/4" thick groove finish i/c cost of 8-SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing excluding carriage charges complete in all respect as approved and directed by the Engineer Incharge. (I) 2-1/4" x 2-1/4" x 9"	3301	1	Sft	181.45	598966
44	Preparing surface and painting with emulsion paint:- 3-coat on new surface	9311	100	Sft	1295.00	120576
					<b>Total Rs:</b>	<b>11,964,888</b>

  
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**DETAIL OF QUANTITY  
( NEW LOBBY & STAFF ROOMS)**

Sr. No.	DESCRIPTION	No.	L	B	H/D	Qty.	Unit
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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. in ordinary soil. Bv Manual						
	Lobby H wall	1	x 35 3/4	x 4	x 3	= 429	Cft
		1	x 35 3/4	x 3	x 3	= 322	"
	V walls	1	x 13 3/4	x 4	x 3	= 165	"
		1	x 17	x 3	x 3	= 153	"
		1	x 4	x 4	x 3	= 48	"
	Staff Rooms H walls	2	x 44 1/4	x 4	x 3	= 1062	"
		2	x 44 1/4	x 5	x 3	= 1328	"
	V walls	6	x 12 3/4	x 4	x 3	= 918	"
		2	x 5	x 4	x 3	= 120	"
		2	x 6 1/4	x 4	x 3	= 150	"
		1	x 48 1/4	x 3	x 3	= 434	"
<b>Total A</b>						<b>5129</b>	<b>Cft</b>

	Toe wall (lobby)	1	x 24	x 1 1/2	x 1	= 36	Cft
		1	x 35 3/4	x 1 1/2	x 1	= 54	"
	lands scape	1	x 6 3/4	x 1 1/2	x 1	= 10	"
	Ramp wall	1	x 20	x 1 1/2	x 1	= 30	"
	Steps	1	x 13	x 3	x 1	= 39	"
	Toe wall (Staff Roos)	2	x 48 1/4	x 1 1/2	x 1	= 145	"
		3	x 5	x 1 1/2	x 1	= 23	"
		1	x 53	x 3	x 1	= 159	"
	Steps	1	x 10	x 3	x 1	= 30	"
<b>Total B</b>						<b>526</b>	<b>Cft</b>

<b>Net Total (A+B)</b>		<b>5129</b>	+	<b>526</b>	<b>Net Total</b>		<b>5655</b>	<b>Cft</b>
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2	P/L C.C brick or stone ballast 1 1/2 " to 2" gauge in F/P (1:6:18)						
	As per item No 1(A) x3/4/3	1	x 5129	x 3/4	/ 3	= 1282	Cft
<b>Total</b>						<b>1282</b>	<b>Cft</b>

3	P/L Dry rammed brick or stone ballast 1 1/2" to 2" gauge.						
	Toe Wall						
	As per item No 1(A) x3/4/3	1	x 526	x 1/2	/ 1	= 263	Cft
<b>Total</b>						<b>263</b>	<b>Cft</b>

4	Pacca Brick work (1:6) in foundation						
	Lobby H wall	1	x 35 3/4	x 3	x 1/4	= 27	Cft
		1	x 35 3/4	x 2 5/8	x 1/4	= 23	Cft
		1	x 35 3/4	x 2 1/4	x 1/4	= 20	Cft
		1	x 35 3/4	x 1 7/8	x 1/4	= 17	Cft
		1	x 35 3/4	x 1 1/2	x 1/4	= 13	Cft
		1	x 35 3/4	x 1 1/8	x 1/4	= 10	Cft
		1	x 35 3/4	x 3/4	x 4 1/2	= 121	Cft
	H wall	1	x 35 3/4	x 2 5/8	x 1/4	= 23	Cft
		1	x 35 3/4	x 2 1/4	x 1/4	= 20	Cft
		1	x 35 3/4	x 1 7/8	x 1/4	= 17	Cft
		1	x 35 3/4	x 1 1/2	x 1/4	= 13	Cft
		1	x 35 3/4	x 1 1/8	x 5	= 201	Cft
		1	x 35 3/4	x 3/4	x 4 3/4	= 127	Cft
	V walls	1	x 14 4/9	x 3	x 1/4	= 11	Cft
		1	x 14 4/5	x 2 5/8	x 1/4	= 10	Cft
		1	x 15 1/5	x 2 1/4	x 1/4	= 9	Cft
		1	x 15 4/7	x 1 7/8	x 1/4	= 7	Cft
		1	x 16	x 1 1/2	x 1/4	= 6	Cft
		1	x 16 1/3	x 1 1/8	x 5	= 92	Cft
	V walls	1	x 16	x 2 5/8	x 1/4	= 11	Cft
		1	x 15 2/3	x 2 1/4	x 1/4	= 9	Cft
		1	x 15 1/3	x 1 7/8	x 1/4	= 7	Cft
		1	x 15	x 1 1/2	x 1/4	= 6	Cft
		1	x 14 4/7	x 1 1/8	x 1/4	= 4	Cft
		1	x 14 1/5	x 3/4	x 1/4	= 3	Cft
		1	x 14	x 3/4	x 4 1/2	= 47	Cft
		1	x 4	x 3	x 1/4	= 3	Cft
		1	x 4	x 2 5/8	x 1/4	= 3	Cft
		1	x 4	x 2 1/4	x 1/4	= 2	Cft
		1	x 4	x 1 7/8	x 1/4	= 2	Cft
		1	x 4	x 1 1/2	x 1/4	= 2	Cft
		1	x 4	x 1 1/8	x 1/4	= 1	Cft
		1	x 4	x 3/4	x 4 1/2	= 14	Cft
	Staff Roos H.walls	2	x 44 1/4	x 3	x 1/4	= 66	Cft
		2	x 44 1/4	x 2 5/8	x 1/4	= 58	Cft
		2	x 44 1/4	x 2 1/4	x 1/4	= 50	Cft
		2	x 44 1/4	x 1 7/8	x 1/4	= 41	Cft
		2	x 44 1/4	x 1 1/2	x 1/4	= 33	Cft
		2	x 44 1/4	x 1 1/8	x 5	= 498	Cft



	2	x	44 1/4	x	3 3/4	x	1/4	=	83	Cft
	2	x	44 1/4	x	3 3/8	x	1/4	=	75	Cft
	2	x	44 1/4	x	3	x	1/4	=	66	Cft
	2	x	44 1/4	x	2 5/8	x	1/4	=	58	Cft
	2	x	44 1/4	x	2 1/4	x	1/4	=	50	Cft
	2	x	44 1/4	x	1 7/8	x	1/4	=	41	Cft
	2	x	44 1/4	x	1 1/2	x	1/4	=	33	Cft
	2	x	44 1/4	x	1 1/8	x	1/4	=	25	Cft
V walls	2	x	44 1/4	x	3/4	x	3 3/4	=	249	Cft
	6	x	13 3/8	x	3	x	1/4	=	60	Cft
	6	x	13 3/4	x	2 5/8	x	1/4	=	54	Cft
	6	x	14 1/8	x	2 1/4	x	1/4	=	48	Cft
	6	x	14 1/2	x	1 7/8	x	1/4	=	41	Cft
	6	x	14 7/8	x	1 1/2	x	1/4	=	33	Cft
	6	x	15 1/4	x	1 1/8	x	1/4	=	26	Cft
	6	x	15 5/8	x	3/4	x	1/4	=	18	Cft
V walls(Coorridor)	6	x	16	x	3/4	x	4 1/4	=	306	Cft
	2	x	7 3/8	x	3	x	1/4	=	11	Cft
	2	x	7 3/4	x	2 5/8	x	1/4	=	10	Cft
	2	x	8 1/8	x	2 1/4	x	1/4	=	9	Cft
	2	x	8 1/2	x	1 7/8	x	1/4	=	8	Cft
	2	x	8 7/8	x	1 1/2	x	1/4	=	7	Cft
	2	x	9 1/4	x	1 1/8	x	1/4	=	5	Cft
	2	x	9 5/8	x	3/4	x	1/4	=	4	Cft
V walls(Coorridor)	2	x	10	x	3/4	x	4 1/4	=	64	Cft
	2	x	5	x	3	x	1/4	=	8	Cft
	2	x	5	x	2 5/8	x	1/4	=	7	Cft
	2	x	5	x	2 1/4	x	1/4	=	6	Cft
	2	x	5	x	1 7/8	x	1/4	=	5	Cft
	2	x	5	x	1 1/2	x	1/4	=	4	Cft
	2	x	5	x	1 1/8	x	1/4	=	3	Cft
V walls old building side	2	x	5	x	3/4	x	4 1/2	=	34	Cft
	1	x	47 1/4	x	3	x	1/4	=	35	Cft
	1	x	46 7/8	x	2 5/8	x	1/4	=	31	Cft
	1	x	46 1/2	x	2 1/4	x	1/4	=	26	Cft
	1	x	46 1/8	x	1 7/8	x	1/4	=	22	Cft
	1	x	45 3/4	x	1 1/2	x	1/4	=	17	Cft
	1	x	45 3/8	x	1 1/8	x	1/4	=	13	Cft
Toe wall (lobby)	1	x	45	x	3/4	x	4 1/2	=	152	Cft
	1	x	24	x	1 1/8	x	1/4	=	7	Cft
	1	x	24	x	3/4	x	3	=	54	Cft
	1	x	35 3/4	x	1 1/8	x	1/4	=	10	Cft
	1	x	35 3/4	x	3/4	x	3	=	80	Cft
lands scape	1	x	6 3/4	x	1 1/8	x	1/4	=	2	Cft
	1	x	6 3/4	x	3/4	x	3	=	15	Cft
Ramp wall	1	x	20	x	1 1/8	x	1/4	=	6	Cft
	1	x	20	x	3/4	x	2 1/2	=	38	Cft
Steps	1	x	13	x	3	x	1 1/2	=	59	Cft
	1	x	13	x	2	x	1/2	=	13	Cft
	1	x	13	x	1	x	1/2	=	7	Cft
Toe wall (Staff Roos)	2	x	48 1/4	x	1 1/8	x	1/4	=	27	Cft
	2	x	48 1/4	x	3/4	x	3	=	217	Cft
	3	x	5	x	1 1/8	x	1/4	=	4	Cft
	3	x	5	x	3/4	x	3	=	34	Cft
	1	x	53	x	1 1/8	x	1/4	=	15	Cft
	1	x	53	x	3/4	x	3	=	119	Cft
Steps	1	x	10	x	3	x	1 1/2	=	45	Cft
	1	x	10	x	2	x	1/2	=	10	Cft
	1	x	10	x	1	x	1/4	=	3	Cft
<b>TOTAL</b>									<b>4139</b>	<b>Cft</b>
5 P/L 1-1/2" thick DPC (1:2:4) with one coat of bituman and one coat of polythen sheet 500										
Lobby H wall	1	x	35 3/4	x	3/4	x	2	=	54	Sft
	1	x	35 3/4	x	1 1/8	x	2	=	80	Sft
V walls	1	x	16 1/2	x	3/4	x	2	=	25	"
	1	x	3 1/4	x	3/4	x	2	=	5	"
	1	x	12 1/2	x	3/4	x	2	=	19	"
Staff Roos H.walls 1st DPC	2	x	44 1/4	x	1 1/8	x	2	=	199	"
v walls	2	x	43 1/2	x	1 1/8	x	2	=	196	"
	2	x	4	x	3/4	x	2	=	12	"
Staff Roos H.walls 2nd DPC	4	x	44 1/4	x	3/4	x	1	=	133	"
V walls	6	x	16	x	3/4	x	1	=	72	"
	2	x	4 1/4	x	3/4	x	1	=	6	"
	1	x	45	x	3/4	x	1	=	34	"
	2	x	10	x	3/4	x	1	=	15	"
<b>Total</b>									<b>849</b>	<b>Sft</b>
D/d										
Lobby Door	2	x	5	x	3/4			=	8	Sft
oping	1	x	12 1/2	x	3/4			=	9	Sft
Staff room D1	6	x	3 1/2	x	3/4			=	16	Sft
	1	x	6	x	3/4			=	5	Sft
oping	1	x	10	x	3/4			=	8	Sft
<b>D/d Total</b>									<b>46</b>	<b>Sft</b>
<b>Net Total</b>									<b>803</b>	<b>Sft</b>
849 1/5	-	46								




## ELECTRIC INSTALLATION (Lobby & Staff Rooms)

Sr.No.	DESCRIPTION	QTY	RATE	UNIT		AMOUNT
1	Supply and erection of PVC pipe for wiring, recessed in walls, including bends, inspection joints, boxes, pull boxes, hook, cutting and repair surface etc. completed with all specified. 3/4" dia(20 mm)					
ii	1" dia (25 mm)	500	94.60	1	Rft	47,300
iii	2" dia (50 mm)	600	183.45	1	Rft	110,070
2	Supply and fixing of single core PVC insulated copper, conductor cables 3.029 (220/230) volt for wiring (rate for cable).3/0.029 Single Core	4000	25.70	1	Rft	102,800
ii	7/0.029 Single Core	1500	40.75	1	Rft	61,125
iii	7/0.036" Single Core	300	53.80	1	Rft	16,140
iv	7/0.044 " 4 Single Core	150	75.10	1	Rft	11,265
iv	7/0.044 " Twine Core	113	160.20	1	Rft	18,103
3	Providing and fixing 4" deep cable tray with straight flange fabricated with perforated G.I. Sheet of specified guage, size and depth duly wall supported/ceiling hung, supported on painted brackets of MS angle iron of 1-1/2"x1-1/2"x3/16" and MS patti of 1-1/2"x3/16" size @ 5 ft C/C, hangers i/c the cost of hardwares as approved and directed by the Engineer Incharge 6SWG (i)4"x4"	16	393.55	1	Rft	6,297
ii	9"x4"	20	643.75	1	Rft	12,875
iii	4"x3"	8	335.35	1	Rft	2,683
3	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge					
i	1 Gange	10	382.5	1	Each	3,825
ii	2 Gange	15	634.5	1	Each	9,518
iii	3 Gange	10	742.5	1	Each	7,425
iv	4 Gange	15	802.5	1	Each	12,038
4	Three pin Light Plug 10/13 Amp	10	610.5	1	Each	6,105
5	Three Pin Power Plug 15-32 Amp	10	754.5	1	Each	7,545
6	S/E of button holder bakelite.	50	53.75	1	Each	2,688
7	S/E of LED Bulbe 12 watt philps making connection complete	50	650.00	1	Each	32,500
8	Supply of ceiling fan 56" sweep of approved.	12	6500.00	1	Each	78,000
9	S/E of ceiling fan alongwith regulator i/c carriage from local Railway Station/Store to site of work, electric wire/cable for suspension rod and board connection, and cutting, threading	12	462.50	1	Each	5,550



10	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessed/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights, Thimble, Copper Comb, <del>Wiring, Neutral &amp; Earth Bar, Door</del> Earthing, Digital Voltmeter, Digital Ammeter, Volt Selector Switch, Ammeter selector switch, Current Transformers and Controls Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (a) 6" deep (i) 20-60A take size (10"x14"x6") .833x1.167x0.5=0.486-cft	0.9720	18,634.45	1	Each	18,113
11	S/E of SMD/COB Ceiling lights 6" dia 5-8 watt round or square shape fixed in ceiling complete. (Pak Lite)	50	1400	1	Each	70,000
12	<del>Providing and fixing Copper</del> wined Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" dia	2	3133.00	1	Each	6,266
13	Earthing of iron clad/aluminum switches etc with G.I Wire No. 8 SWG in G.I pipe 15 mm (1/2") dia recessed or on surface of wall and floor complete with 1.5 meter long G.I pipe 50 mm (2" dia) with reducing socket 4 to 5 meter below ground level and 2 meter	2	9592.65	1	Each	19,185
Total						667,416


  
 Sub Divisional Officer  
 Buildings Sub Division  
 Churian





## PUBLIC HEALTH

Sr. No	Description	Qty	Rate	Unit	Amount
1	Providing and fitting European Coupledset of Water Closet(WC) and flushing Cisternof PORTA brand(fullsize)i/c the cost of CP/rubber connection,thimble,seatcoveranddrawalboltscompleteinallrespectsasap proved and directed by the Engineer Incharge	2	19987.90	Each	39976
2	Providing and fixing, double seat and cover only. .(bakelite)	2	908.60	Each	1817
3	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.coloured, with pedestal	2	4329.95	Each	8660
4	Under Counter Vanity Basin	2	7329.95	Each	14660
5	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete..(coloured)	2	2636.85	Each	5274
6	Providing and fixing chromium plated bib cock:-1/2" dia	4	775.00	Each	3100
7	Providing and Fixing Chromium Plated double Bib Cock 1/2" dia (madeofSonex/Master/Faisa) complete in all respect as approved and directed by the Engineer in charge.	2	1732.00	Each	3464
8	Providing and Fixing Chromium Plated Tee Stop Cock 1/2" dia complete	6	955.00	Each	5730
9	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.	1	7600.00	Each	7600
10	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe andwaste coupling	1	6405.30	Each	6405
11	Providingandfixing1/2"dia Muslim Shower of Fasial/Master comprisingof1/2" dia onemeter longrubber/CPflexiblepipeandhandshowercompleteinallrespectsasa pprovedanddirectedbytheEngineer Incharge.	2	2212.00	Each	4424
12	Providing,fixing,testingandcommissioningofuPVC(Unplasticizedpolyvin ylChloride)Nikasi/wastepipemakeofdadex/Popular/Beta/BBJplain/sock etendedconformingtocodeEN-1401 of specified SDR(StandardDimensionRatio)including the cost of specials and Solventscomplete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8)				
i	6" diameter	150	381.50	P-Rft	57225
ii	4" diameter	100	260.60	P-Rft	26060
13	Providing,laying,testing and commissioning of POLYPROPYLENERANDOMCOPOLYMER(PPRC)watersupplypipem adeof(Dadex/Popular/Beta/BBJ)withspecifiedpressureratingPN(PRES SURENOMINAL)andconformingtoDIN80778078codei/ccostofsolvent,s pecials,makingjharriescompleteinallrespectsasapprovedanddirectedby Engineer Incharge.(Internal/External Diameters mentioned).PN-20				
i	3/4" Dia	200	66.50	P-Rft	13300
ii	1" Dia	100	106.90	P-Rft	10690
<b>Total</b>					<b>208385</b>


  
 Sub Divisional Officer  
 Buildings Sub Division  
 R Chunian



External Development  
(Tuff Paver + Sewerage system)

GENERAL ABSTRACT

Sr. No	Description	AMOUNT
1	2	3
1	Tuff Pavers	533447
2	Sewerage System	250823
	<b>TOTAL</b>	<b>784270</b>

  
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Buildings Sub Division  
Chunian



CONSTRUCTION OF PARKING PASSAGE

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 mm) and lift upto 5 ft in ordinary soil

Main Entr	2	20	1.5	1	60	Cft			
	2	100	1.5	1	300	Cft			
Total					360	Cft	% 0Cft	10677.75	3844

2 Dry rammed brick or stone ballast 1 1/2' to 2" gauge

Main Entr	2	20	1.5	0.25	15	Cft			
	2	100	1.5	0.25	75	Cft			
Total					90	Cft	% Cft	9155.50	8240

2 Providing and fixing precast Edge Kerb Stone (4"to 6" thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect. With Painting(i) 18" high

Total Length	140	140							
Total					140	RFT	P.RFT	529.45	74123

3 Dry rammed brick or stone ballast 1 1/2' to 2" gauge


Main Entr	20	100	0.33	660	Cft				
Total					660	Cft	% Cft	9155.50	60426

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

1	18.5	98.5	0.125	228	Cft				
Total					228	Cft	%Cft	48738.05	111016

5 P/F tuff paver 60mm havng strength 7000 psi over sand cusion 2" to 3" thick sand grouted of approved firm complete in all respect.

1	18.5	98.5	1822.25	Sft					
Total					1822.25	Sft	P-Sft	151.35	275798
Total								533447	

  
Sub Divisional Officer  
Buildings Sub Division  
Chunian



**EXTERNAL DEVELOPMENT**

<u>Sl. No.</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
1	Entrance Passage	484,399
2	Parking Passage(CAR)	406,216
3	External Sewerage	912,466
	<b>Total=</b>	<b>1,803,081</b>
	<b>ADD 3% Contigencies</b>	<b>54,092</b>
	<b>Total=</b>	<b>1,857,174</b>

*P. Ueda*  
*R. S.O. O*  
*Chennai*





# CONSTRUCTION OF ENTRANCE PASSAGE OF MAIN BUILDING

Excavation in foundation of building, bridges and other structures

Main Entr	2	78	1	234 Cft			
	2	55	1	165 Cft			
				399 Cft	% 0Cft	10677.75	4260

Providing and fixing precast Edge Kerb Stone (4" to 6" thick); of 3500 PSI

Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc complete in all respect.

With Painting

(i) 18" high

Total Length	188			188 Rft	P.RFT	529.45	99537
--------------	-----	--	--	---------	-------	--------	-------

Dry rammed brick or stone ballast 1 1/2' to 2" gauge

Main Entr	56	20.5	0.25	95 Cft			
	78	55	0.25	354 Cft			
				449 Cft	% Cft	9155.50	41075

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

1:2:4

	1	56	20.5	0.125	144 Cft		
	1	78	55	0.125	536 Cft		
				680 Cft	%Cft	48738.05	331297

5 P/F tuff paver 60mm having strength 7000 psi over sand cushion 2" to 3" thick sand grouted of approved firm complete in all respect.

	1	56	20.5	1148 Sft			
	1	78	55	4290 Sft			
				5438 Sft	P-Sft	151.35	8230

Total 484399

*[Signature]*  
Sub Divisional Officer  
Buildings Sub  
Chunian



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### CONSTRUCTION OF PARKING PASSAGE (CAR)

Excavation in foundation of building, bridges and other structures

Main Entr	2	40	1	120 Cft
	2	100	1	300 Cft
				420 Cft

% 0Cft 10677.75 4485

Providing and fixing precast Edge Kerb Stone  
(4"to 6" thick), of 3500 PSI

Compressive Strength, embeded in PCC 1:2:4  
over lean concrete 1:4:8 etc  
complete in all respect.

With Painting

(i) 18" high

Total Length 240

230 RFT

P.RFT

529.45

121774

3 Dry rammed brick or stone ballast 1 1/2' to 2"  
gauge

Main Entr	40	100	0.25	330 Cft
				330 Cft

% Cft 9155.50 30213

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

1:2:4

1	40	100	0.125	500 Cft
				500 Cft

%Cft 48738.05 243690

5 P/F tuff paver, 60mm havng strength 7000 psi over sand  
cusion 2" to 3" thick sand grouted of approved  
firmcomplete in all respect.


1	40	100	4000 Sft
			4000 Sft

P-Sft

151.35

6054

Total 406216

  
Sub Divisional Officer  
Buildings Sub  
Chunian



**DISMENTLING**

Dismantling glazed or encaustic tiles, etc.

Existing counter Top	1	x	7	x	2	14	Sft
	1	x	4	x	2	8	Sft
	1	x	7	x	2 1/2	18	Sft
	1	x	4	x	2 1/2	10	Sft

Total 50 Sft

@ Rs. 2335.85 %ft 1156

Dismantling RCC (1:2:4)

Existing counter	2	x	7	x	1 3/4	x	1/4	6	Cft
	2	x	4	x	1 3/4	x	1/4	4	Cft
Plur shade	1	x	18 1/2	x	6	x	3/8	42	Cft
Beam	4	x	6	x	1/2	x	3/4	9	Cft

Total 60 Cft

@ Rs. 18285.70 %Cft 11017

Dismantling brick work with cement mortar or lime mortar

Existing counter	1	x	7	x	3/4	x	3	16	Cft
	1	x	3	x	3/4	x	3	7	Cft
	3	x	3	x	3/8	x	3	8	Cft

Total 31 Cft

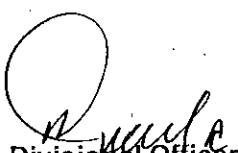
@ Rs. 4317.45 %Cft 1336

Total Rs. 13509

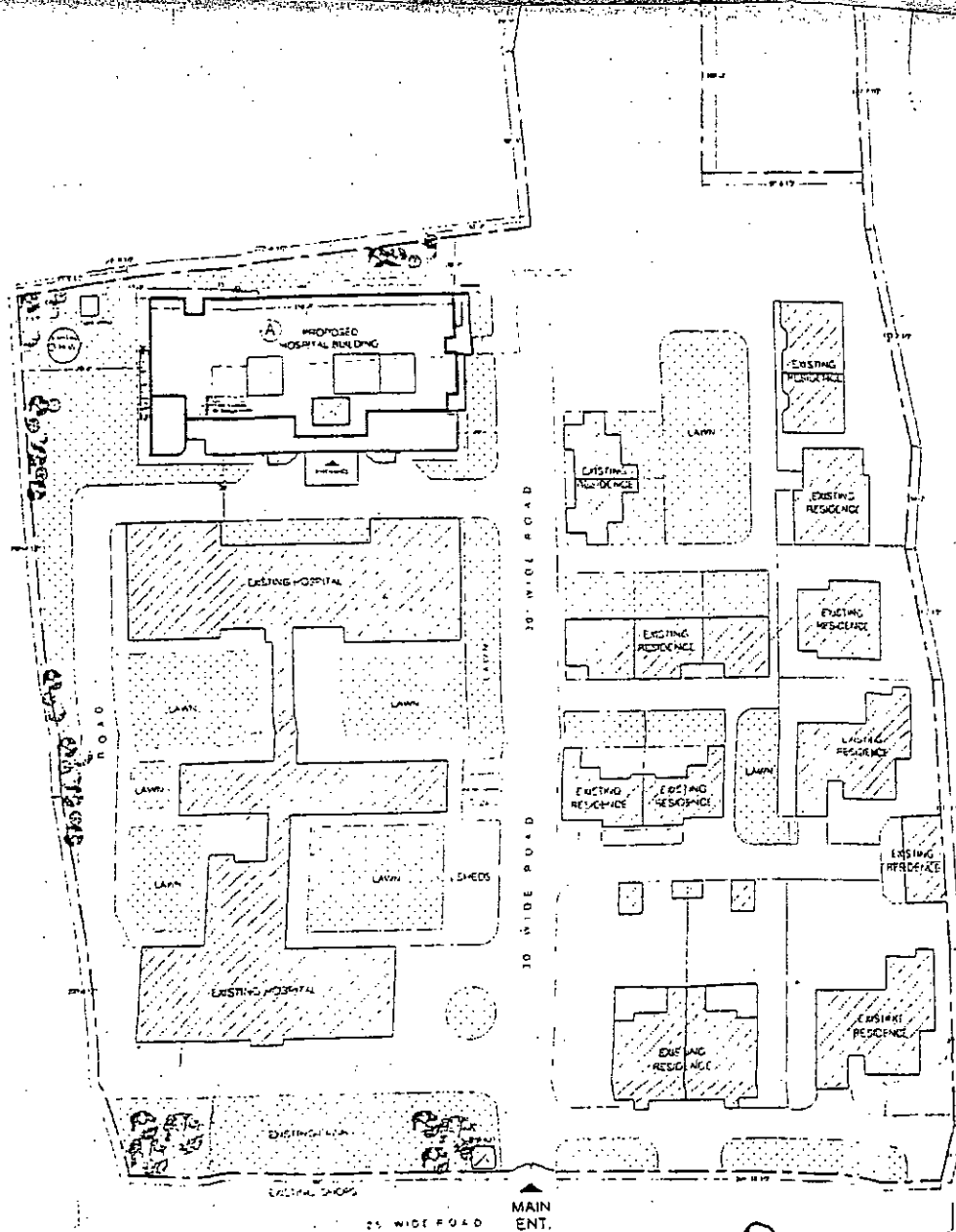
ADD 3% Contigencies 405

Total Rs. 13914

Say RS 13900

  
Sub Divisional Officer  
Buildings Sub Division  
Chunian





LAYOUT PLAN




Executive Engineer  
Buildings Division  
Kasur

Sub-Divisional Officer  
Building Sub Division  
Pattoki

11/17/09/22  
Medical Superintendent  
T.H.O Hospital Churian

With this office prior to start of construction  
PROVISION OF ONE MORE STOREY i.e. 2nd FLOOR  
IS TO BE KEPT IN THE FOUNDATION DESIGN.  
IF ANY ERROR/OMISSION IS FOUND IN THE DESIGN  
THIS OFFICE MAY BE CONTACTED FOR THE  
RECTIFICATIONS

#### LEGEND

EXISTING WORK SHOWN THUS   
PROPOSED WORK SHOWN THUS   
DEMOLISED WORK SHOWN THUS 

#### NOTE.

SCHEME NAME OF UP-GRADATION OF T.H.O. HOSPITAL  
CHURIAN HAS BEEN CHANGED AS PER REQUIRED BY THE  
H.S. T.H.O. HOSPITAL CHURIAN, VIDE LETTER NO. 24  
DATED: 29-01-2021

LAND AREA = KANALS : ACRES  
54.26 : 6.78

#### PROJECT

CONSTRUCTION OF 20-BEDDED  
SURGICAL WARD AT T.H.O HOSPITAL  
CHURIAN, DISTRICT KASUR.

TITLE LAYOUT PLAN E-17  
P-113  
(MAXIMUM DRAWING)

SCHEME NO.	SUB-SCHEME NO.	DRAWING NO.	DATE
2338	1	4	15-8-18

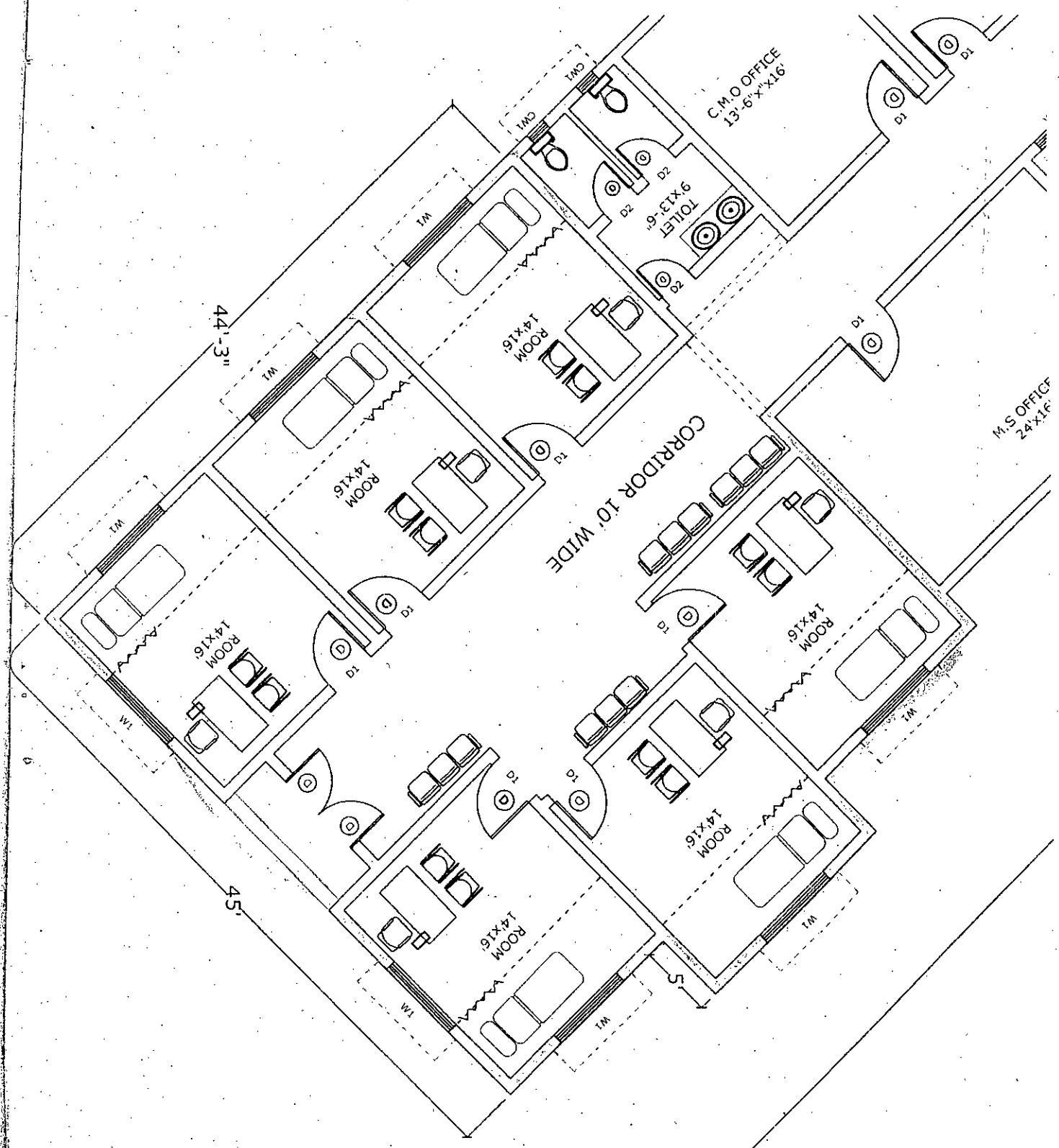
SCALE  
N.T.S.  
N  
HADAYAT ALI  
ARCH. ASSISTANT  
MOHSIN ABBAS  
DRAWN BY  
ZERMINA FAROOQI  
ASSISTANT DIRECTOR  
RABIA NAZIR  
DESIGNER  
ASIFA REHMAN  
DIRECTOR ARCHITECTURE  
SALEEM UR REHMAN  
CHIEF ARCHITECT, PUNJAB

ARCHITECTURE DEPARTMENT  
OFFICE OF THE CHIEF ARCHITECT  
GOVT. OF THE PUNJAB LAHORE









*[Signature]*  
17/09/92  
Medical Superintendent  
H.O. Hospital Churni



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

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

**Grant Number:**Government Buildings - (PC12042)  
**LO NO:**LO22010038  
**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:**LO22010038  
**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	A12403-Other Buildings	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
<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	40.000	20.040	2.229	1.635	3.915	7.276	75.095
Utilization	21.809	20.039	2.142	1.142	3.848	0.761	49.741

### Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released					0.000	29.650	29.650
Utilization					0.000	29.650	29.650

**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.

#### Employment Generation (Director and Indirect)

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

### 11.2 ENVIRONMENTAL IMPACT ANALYSIS

#### 11.5 Environmental Impact

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

### 11.3 PACT ANALYSIS

undefined

### 11.4 ECONOMIC ANALYSIS

#### 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**

### **Financial Benefits & Analysis**

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

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

The Human Development Index of Pakistan (HDI) will improve

Infant Mortality Rate will decrease

Mother Mortality rate will be decreased

The international commitments of Pakistan will be accomplished

Health standard of public will

Better Health Facilities to mother and

Prompt and scientific facility for operation

Rehabilitation of disables and injured

Blindness in this area will be decreased and controlled

Better social and mental health to addict

Provision of better health facilities at doorsteps

Awareness and control for communicable

Survival of heart failure

Social indicators of Pakistan will improve

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

#### **11.1.1 Financial Impact:**

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

#### **11.2 Revenue Generation**

Revenue will be generated from:

Indoor fee

Laboratory fees

Diagnostic facility fees

Dental fee

ECG fee

Private room charges  
Ambulance charges  
From other fees prescribed by Government

## **12. IMPLEMENTATION SCHEDULE**

### **12.1 IMPLEMENTATION SCHEDULE/GANTT CHART**

Implementation Schedule

Original Gestation period (From September, 2017 to June, 2019)  
Extension in Gestation period for one year with no change in cost & Scope till June 2020.  
1st Revised gestation period till June, 2021  
2nd Revised gestation period till June, 2023.  
3rd Revised gestation period till June, 2025

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

undefined

### **12.3 IMPLEMENTATION PLAN**

undefined

### **12.4 M&E PLAN**

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

### **12.5 RISK MITIGATION PLAN**

attached

## RISK REGISTER

### 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

NA

## 15. CERTIFICATE

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

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

**Email:**

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

**Fax No:**

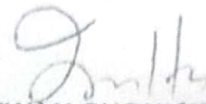
**Address:**31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

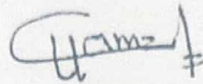
Prepared By:



(HISSAN ANEES)  
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(Oct-2022)

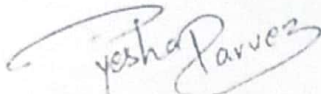


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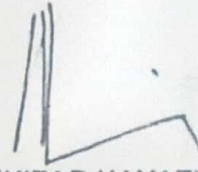


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