PC-1

Revamping of THQ Hospital, Sambrial District Sialkot

ORIGINAL APPROVED COST	**PKR Million. 357.137/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Sambrial District Sialkot

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. SIALKOT

2.2. TEHSIL(S)

I. SAMBRIAL

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

3	**AUTHORITIES RESPONSIBLE**	
	3.1 Sponsoring	Government of the Punjab, Primary and Secondary Healthcare Department
	3.2 Execution	PMU for Revamping Program of Primary and Secondary Healthcare Department, 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	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5253
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** 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 2nd 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 Qaddaffi 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

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

For patient receiving, information, guidance, appointment or for any other task, separate reception counters are proposed in various blocks so that, all necessary information regarding the block is available on the counter round the clock. In this way, utilization of clinical facilities will be optimized. For indoor patient department, complete facilitation and care of patients admitted in wards is ensured

by proposal of nursing counter in each ward. This nursing counter will be placed or constructed in such a placement that each bed can be monitored by the nurse available.

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

1. Provision of flooring and skirting
2. Painting on interior and exterior side of department

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

MSDS umbrella is very vast and it requires a very extensive and planned approach towards, gap analysis, planning, development, implementation,

monitoring and evaluation. MSDS comprises of 10 thematic area, 30 standards and 162 indicators. Government of Punjab has taken an initiative to standardize all hospitals of Punjab in accordance with Punjab Health Care Commission Minimum service delivery standards. PMU team segregated MSDS indicators into various targets and sub-targets to make these targets achievable. Manuals for both clinical and non-clinical specialties are being prepared comprising of departmental organizational plan, criteria for essential human resource, essential equipment, general and specialized SOPs, departmental safety guidelines etc. Standardized Medical Protocols (SMPs) are standard steps to be taken by a health facility during medical or surgical management of a patient. Standard Operating Procedure (SOPs) are detailed description of steps required in performing a task including specifications that must be complied with and are vital to ensure the delivery of these services .It requires literature review, departmental view, facility visits, consultative visits and development of action plan for implementation of MSDS. Effective MSDS implementation requires essential documentation. Documentation is a key for record keeping, monitoring and auditing. For this purpose, registers, forms, displays have to be designed with coding for effective tracking. In addition to this it also requires analysis from field from utilization point of view.

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 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.

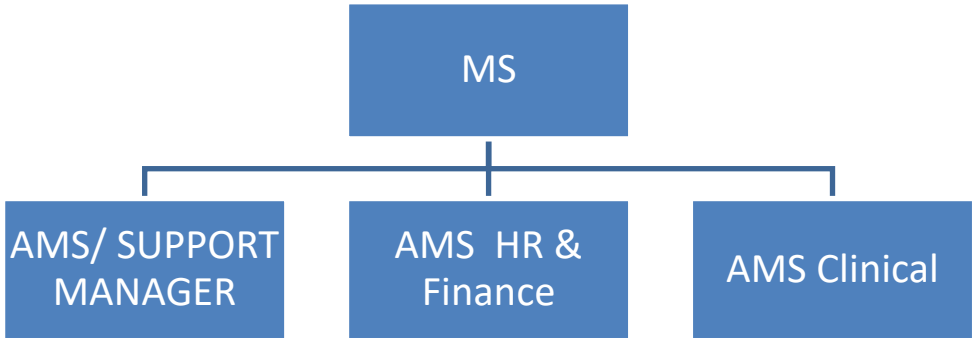
5.4.5 Security

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

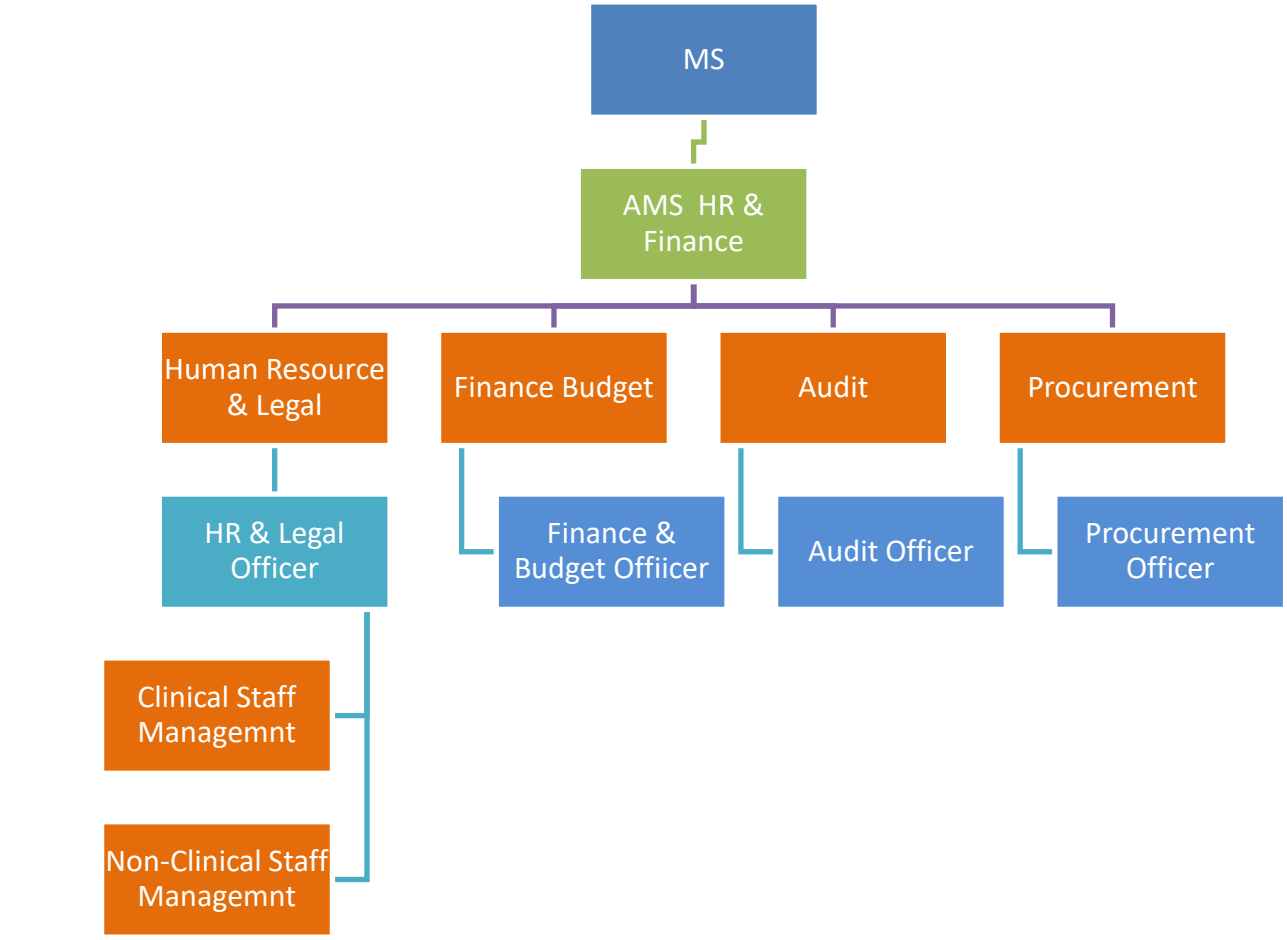
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

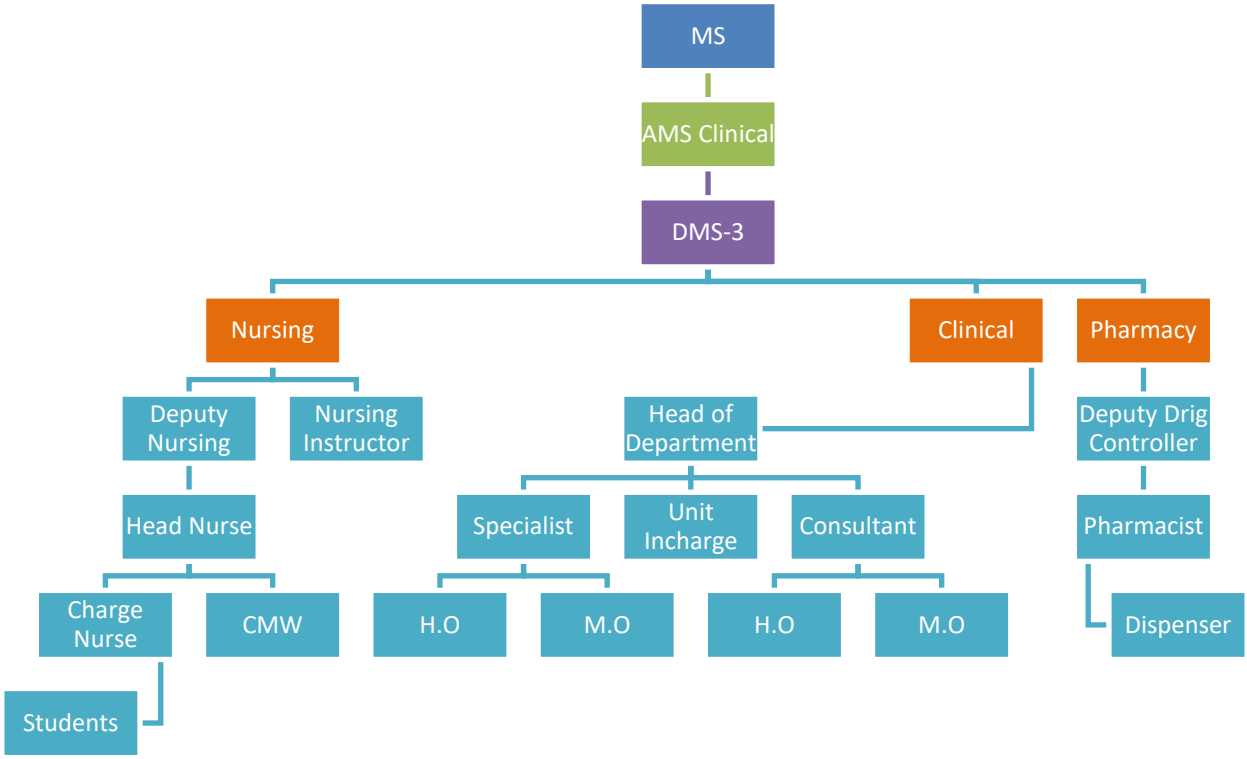
New Organogram of Hospital



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


MS
AMS HR & Finance
Human Resource & Legal
Finance Budget
Audit
Procurement
HR & Legal Officer
Finance & Budget Offiicer
Audit Officer
Procurement Officer
Clinical Staff Managemnt
Non-Clinical Staff Managemnt


MS
AMS Clinical
DMS-3
Nursing
Clinical
Pharmacy
Deputy Nursing
Nursing Instructor
Head of Department
Deputy Drig Controller
Head Nurse
Specialist
Unit Incharge
Consultant
Pharmacist
Charge Nurse
CMW
H.O
M.O
H.O
M.O
Dispenser
Students

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

Eigibility 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

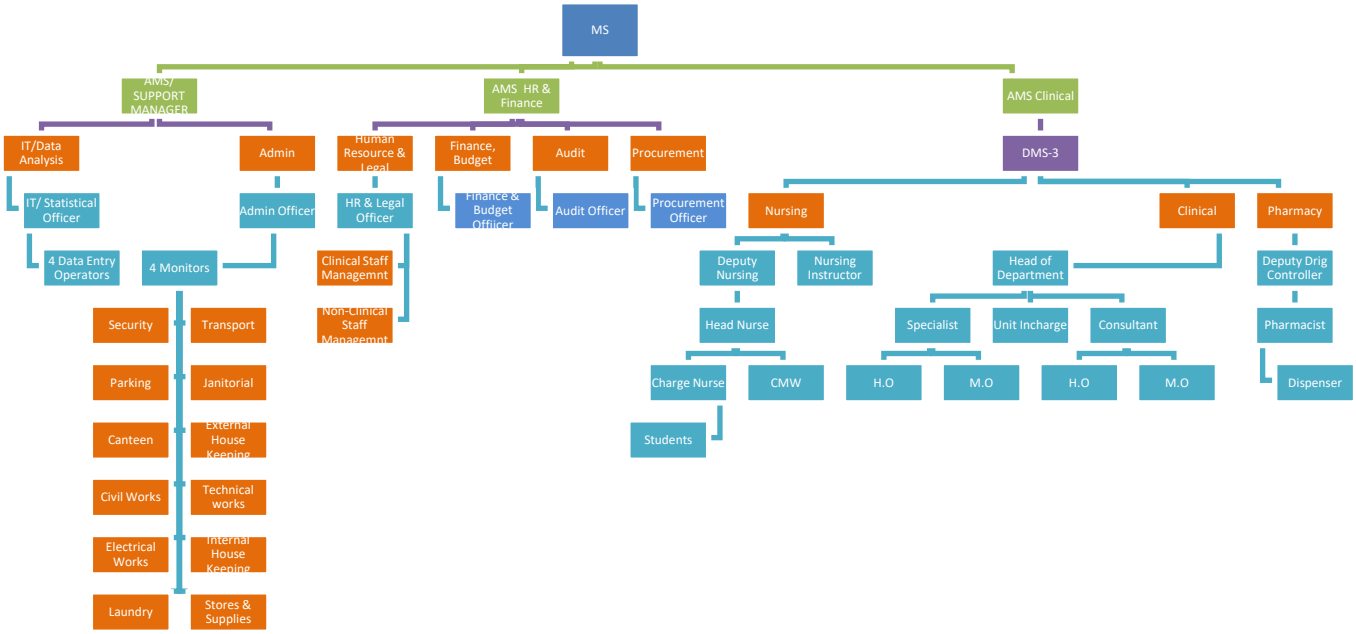
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

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

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

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

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

Name of Post	No. of Employees	Original Pay package approved		Revised Pay package	
		Per Month Salary	Salary for One Year	Per Month Salary	Salary for One Year
Admin Officer	1	80,000	960,000	105,000	1,260,000
Human Resource Officer	1	80,000	960,000	105,000	1,260,000
IT/Statistical Officer	1	80,000	960,000	105,000	1,260,000
Finance & Budget Officer	1	80,000	960,000	105,000	1,260,000
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
Total	**11**		**8,760,000**	**849,000**	**11,556,000**

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

6.2 SECTORAL SPECIFIC INFORMATION

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17010577
A/C To be Credited: Assan Assignment

PKR Million

Sr #	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
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010053
A/C To be Credited: Account-I

PKR Million

Sr #	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
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	THQ Sambrial											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	17.208	17.208	0.000	17.208	17.208	38.820	5.000	43.820	27.214	5.000	32.214
External Development	0.000	2.131	2.131	0.000	2.131	2.131	41.797	0.000	41.797	34.514	0.000	34.514
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	**0.000**	**24.939**	**24.939**	**0.000**	**24.939**	**24.939**	**80.617**	**5.000**	**85.617**	**61.728**	**5.000**	**66.728**
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	56.571	56.571
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	47.353	47.353	0.000	47.353	47.353	0.000	61.954	61.954	0.000	91.208	91.208
Electricity	0.000	13.508	13.508	0.000	13.508	13.508	0.000	13.508	13.508	0.000	28.452	28.452
IT & QMS & Surveillance	0.000	14.515	14.515	0.000	14.515	14.515	0.000	16.715	16.715	0.000	20.120	20.120
Furniture and Fixtures	0.000	13.504	13.504	0.000	13.504	13.504	0.000	13.504	13.504	0.000	18.788	18.788
Interior and Exterior decorations/ Signage	0.000	3.035	3.035	0.000	3.035	3.035	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	36.880	36.880	0.000	53.542	53.542
LC Deficit during procurement (currency fluctuation)								2.420	2.420		2.420	2.420
Total Revenue component	**0.000**	**139.845**	**139.845**	**0.000**	**139.845**	**139.845**	**0.000**	**188.382**	**188.382**	**0.000**	**290.409**	**290.409**
Outsourcing component												
Janitorial Services	0.000	10.490	10.490	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.443	5.443	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.795	1.795	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.685	3.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	8.732	8.732	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	**0.000**	**40.593**	**40.593**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Total	**0.000**	**205.377**	**205.377**	**0.000**	**164.785**	**164.785**	**80.617**	**193.382**	**273.999**	**61.728**	**295.409**	**357.137**
Contingency (1%) only on Civil Component	0.000	0.249	0.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.108	4.108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**209.734**	**209.734**	**0.000**	**164.785**	**164.785**	**80.617**	**193.382**	**273.999**	**61.728**	**295.409**	**357.137**

Emergency Equipment

			Original				1st Revised				2nd Revised				3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-	0		99,750	-	0		99,750	-		99,750	-
2		Chairs	0		26,775	-	0		26,775	-	0		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	1	141,750	141,750	1	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-	0	101,850	-
5	6	Chairs *(N)	0	0	26,775	-	0	0	26,775	-	0	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	6	15,750	94,500	3	6	15,750	94,500	3	6	30,000	180,000	12	30,000	360,000
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	3	6	420,000	2,520,000	3	6	460,000	2,760,000	12	800,000	9,600,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	2	4	33,600	134,400	2	4	36,000	144,000	8	36,000	288,000
9		Laryngoscope paeds &adult each*(N)	2	4	10,500	42,000	2	4	10,500	42,000	2	4	12,000	48,000	8	20,000	160,000
10		Diagnostic set*(N)	1	2	45,150	90,300	1	2	45,150	90,300	1	2	50,000	100,000	4	85,000	340,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	1	2	169,785	339,570	1	2	180,000	360,000	4	300,000	1,200,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	0	420,000	-	0	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	2	4	125,265	501,060	2	4	215,000	860,000	8	300,000	2,400,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	1	2	259,350	518,700	1	2	275,000	550,000	4	300,000	1,200,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	1	2	244,733	489,466	1	2	400,000	800,000	4	600,000	2,400,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600	4	69,300	277,200
17		MEDICINE TROLLY*N	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800	4	60,900	243,600
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1	1,417,500	1,417,500	1	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	1	2,509,554	2,509,554	1	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	1	304,220	304,220	1	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	1	414,750	414,750	1	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	1	110,000	110,000	1	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	1	54,000	54,000	1	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	1	310,000	310,000	1	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-	4		420,000	-	4		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-	2		259,350	-	2		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-	2		125,265	-	2		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-	1		420,000	-	1		-	-		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-	1		237,618	-	1		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-	1		302,605	-	1		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-	4		104,000	-	4		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-	4		301,665	-	4		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-	1		169,785	-	1		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-	1		15,750	-	1		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-	1		3,150	-	1		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-	1		5,250	-	1		8,000	-		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	6	210,000	1,260,000	7	6	210,000	1,260,000	7	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	1	169,785	169,785	1	1	169,785	169,785	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	6	104,000	624,000	6	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	3	301,665	904,995	3	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	6	26,250	157,500	6	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	2	125,265	250,530	2	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	1	237,618	237,618	1	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	1	299,153	299,153	1	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	2	259,350	518,700	2	2	275,000	550,000	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	0	31,500	-	0	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-	0	69,300	-
51		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	2	4,085	8,169	2	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	1	3,450,350	3,450,350	1	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	1,403,325	1,403,325	1	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				**20,463,445**				**20,463,445**				**27,876,235**			**56,570,600**
						20.463				20.463				27.876			56.571

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 disinfector	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 Tempurature 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
	Total			**8,647,094**			**8,647,094**			**9,653,822**			**13,437,942**
				8.647			**8.647**			**9.654**			**13.438**

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	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	1	0	449,295	-	1	1	0	550,000	-	1	1	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	1	0	427,350	-	1	1	0	550,000	-	1	1	0	750,000	-
3		Electrolyte Analyzer	1	1	0	427,350	-	1	1	0	427,350	-	1	1	0	550,000	-	1	1	0	550,000	-
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	0	2,744,858	-	0	0	0	3,200,000	-	0	0	0	1,400,000	-
5		Clinical Microscope	1	2	0	132,825	-	1	2	0	132,825	-	1	2	0	180,000	-	1	2	0	250,000	-
6	**Laboratory**	Water Bath	1	0	1	60,000	60,000	1	0	1	60,000	60,000	1	0	1	157,500	157,500	1	0	1	325,000	325,000
7		Hot air Oven	1	0	1	210,000	210,000	1	0	1	210,000	210,000	1	0	1	385,000	385,000	1	0	1	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	75,000	75,000	1	0	1	125,000	125,000
9		Auto pipettes	10	4	6	31,500	189,000	10	4	6	31,500	189,000	10	4	6	40,500	243,000	10	4	6	45,000	270,000
10		glass wares	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-
11		Centrifuge Machine	2	2	0	149,336	-	2	2	0	149,336	-	2	2	0	250,000	-	2	2	0	400,000	-
12		Static X-ray Machine	1	1	0	4,200,000	-	1	1	0	4,200,000	-	1	1	0	6,000,000	-	1	1	0	12,000,000	-
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	0	3,850,524	-	0	0	0	4,300,000	-	0	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	0	4,018,245	-	0	0	0	4,500,000	-	0	0	0	4,500,000	-
15		Dental X-Ray	0	1	0	282,975	-	0	1	0	282,975	-	0	1	0	350,000	-	0	1	0	525,000	-
16	**X-Rays**	Lead apron and PPE	2	1	1	52,500	52,500	2	1	1	52,500	52,500	2	1	1	60,000	60,000	2	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	250,000	-
18		Lead glass /shield	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	105,000	-	0	1	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-
20	**Ultrasound**	Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	0	1,371,331	-	0	0	0	1,500,000	-	0	0	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	1	0	1	3,698,310	3,698,310	1	0	1	4,500,000	4,500,000	1	0	1	5,500,000	5,500,000
22		ICU MONITOR	2	0	2	301,665	603,330	2	0	2	301,665	603,330	2	0	2	900,000	1,800,000	2	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
25	**CCU**	ECG Machine Three Channel	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	0	2,021,838	-	0	0	0	2,200,000	-	0	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	0	4,681,790	-	0	0	0	4,800,000	-	0	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	1	0	1	690,539	690,539	1	0	1	700,000	700,000	1	0	1	1,500,000	1,500,000
30	**Blood Bank**	Centrifuge Machine	2	0	2	149,336	298,673	2	0	2	149,336	298,673	2	0	2	250,000	500,000	2	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	1	0	1	42,000	42,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	1	0	1	132,825	132,825	1	0	1	180,000	180,000	1	0	1	250,000	250,000
33	**Dialysis Unit (10 beds)**	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	0	5	1,050,000	5,250,000	5	0	5	1,600,000	8,000,000	5	0	5	3,200,000	16,000,000
34		Baby Cot	10	2	8	14,669	117,348	10	2	8	14,669	117,348	10	2	8	16,000	128,000	10	2	8	16,000	128,000
35		Phototherapy Unit	2	1	1	130,200	130,200	2	1	1	130,200	130,200	2	1	1	655,000	655,000	2	1	1	850,000	850,000
36		Infant Warmer	2	1	1	335,638	335,638	2	1	1	335,638	335,638	2	1	1	985,000	985,000	2	1	1	1,050,000	1,050,000
37	**Nursery**	Pulse Oximeter	6	0	6	104,500	627,000	6	0	6	104,500	627,000	6	0	6	160,000	960,000	6	0	6	225,000	1,350,000
38		Infant Incubator	2	0	2	858,932	1,717,864	2	0	2	858,932	1,717,864	2	0	2	900,000	1,800,000	2	0	2	1,750,000	3,500,000
39		Suction Pump	1		1	259,350	259,350	1		1	259,350	259,350	1		1	275,000	275,000	1		1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	2	0	125,265	-	2	2	0	125,265	-	2	2	0	215,000	-	2	2	0	300,000	-
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	1	0	2,509,554	-	1	1	0	3,000,000	-	1	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	2	0	2	441,000	882,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
43		Defibrillator	2	0	2	308,713	617,425	2	0	2	308,713	617,425	2	0	2	650,000	1,300,000	2	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	0	1	507,530	507,530	1	0	1	507,530	507,530	1	0	1	700,000	700,000	1	0	1	900,000	900,000
45		Operation Table	1	2	0	1,426,215	-	1	2	0	1,426,215	-	1	2	0	2,000,000	-	1	2	0	2,500,000	-
46	**O.T (04)**	Ceiling Operating Light	1	1	0	413,013	-	1	1	0	413,013	-	1	1	0	800,000	-	1	1	0	950,000	-
47		STEAM STERILIZER	1	3	0	3,465,000	-	1	3	0	3,465,000	-	1	3	0	4,000,000	-	1	3	0	7,800,000	-
48		Suction Pump	2		2	259,350	518,700	2		2	259,350	518,700	2		2	275,000	550,000	2		2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	1	1	244,733	244,733	2	1	1	244,733	244,733	2	1	1	400,000	400,000	2	1	1	600,000	600,000
50		mayo table	4	0	4	21,000	84,000	4	0	4	21,000	84,000	4	0	4	23,000	92,000	4	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	1	0	1	304,220	304,220	1	0	1	400,000	400,000	1	0	1	900,000	900,000
52		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	0	1,108,740	-	0	0	0	1,500,000	-	0	0	0	4,000,000	-
54	**Orthopedic**	Plaster Cutting Pneumatic	1	1	0	276,250	-	1	1	0	276,250	-	1	1	0	450,000	-	1	1	0	1,500,000	-
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	0	432,623	-	0	0	0	550,000	-	0	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	1	0	1,418,958	-	1	1	0	1,500,000	-	1	1	0	2,400,000	-
58		Autoclave	1	1	0	441,000	-	1	1	0	441,000	-	1	1	0	550,000	-	1	1	0	850,000	-

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	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
59	Gynea (20 beds)	Delivery Set	10	2	8	31,500	252,000	10	2	8	31,500	252,000	10	2	8	40,000	320,000	10	2	8	65,000	520,000
60		Delivery Table	2	2	0	47,250	-	2	2	0	47,250	-	2	2	0	47,250	-	2	2	0	55,000	-
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	0	2	294,000	588,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
62		D & C Set	2	2	0	34,650	-	2	2	0	34,650	-	2	2	0	40,000	-	2	2	0	60,000	-
63		Vaccume Extractor	1	0	1	259,350	259,350	1	0	1	259,350	259,350	1	0	1	300,000	300,000	1	0	1	350,000	350,000
64		CTG Machine	1	1	0	628,049	-	1	1	0	628,049	-	1	1	0	725,000	-	1	1	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	1	0	1	169,785	169,785	1	0	1	180,000	180,000	1	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	2	1	1	304,220	304,220	2	1	1	400,000	400,000	2	1	1	900,000	900,000
67		Baby Cot	2	6	0	14,669	-	2	6	0	14,669	-	2	6	0	16,000	-	2	6	0	16,000	-
68		Delivery trolly	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	1	0	144,375	-	1	1	0	175,000	-	1	1	0	200,000	-
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	0	0	3,355,849	-	0	0	0	4,000,000	-	0	0	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	1	0	285,466	-	0	1	0	285,466	-	0	1	0	400,000	-	0	1	0	900,000	-
73		Suction Pump	0	1	0	259,350	-	0	1	0	259,350	-	0	1	0	275,000	-	0	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	0	1	0	9,744	-	0	1	0	12,000	-	0	1	0	20,000	-
75		Set of Surgical Instruments	0	3	0	141,750	-	0	3	0	141,750	-	0	3	0	160,000	-	0	3	0	220,000	-
76	Others	Stretcher	10	0	10	68,250	682,500	10	0	10	68,250	682,500	10	0	10	69,300	693,000	10	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	10	0	10	31,500	315,000	10	0	10	35,000	350,000	10	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	6	0	6	4,200	25,200	6	0	6	4,500	27,000	6	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	0	5	237,618	1,188,091	5	0	5	237,618	1,188,091	5	0	5	400,000	2,000,000	5	0	5	600,000	3,000,000
80		BP Appratus	15	50	0	15,750	-	15	50	0	15,750	-	15	50	0	16,000	-	15	50	0	16,000	-
81		Ventilator	0	0	0	2,195,080	-	0	0	0	2,195,080	-	0	0	0	3,500,000	-	0	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	0	1	1,098,510	1,098,510	1	0	1	2,100,000	2,100,000	1	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	0	1	858,440	858,440	1	0	1	925,000	925,000	1	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	0	2	94,500	189,000	2	0	2	100,000	200,000	2	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	0	7	850,000	5,950,000	7	0	7	-	-	7	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	0	4	210,000	840,000	4	0	4	400,000	1,600,000	4	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	0	4	15,750	63,000	4	0	4	30,000	120,000	4	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	0	330,750	-	0	0	0	650,000	-	0	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	0	169,785	-	0	0	0	180,000	-	0	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	0	1	108,780	108,780	1	0	1	125,000	125,000	1	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	0	259,350	-	0	0	0	275,000	-	0	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	0	298,200	-	0	0	0	900,000	-	0	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	0	2	1,600,000	3,200,000	2	0	2	3,500,000	7,000,000	2	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	0	1,098,510	-	0	0	0	2,100,000	-	0	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	1	0	1	23,835	23,835	1	0	1	47,250	47,250	1	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	0	1	2,470,546	2,470,546	1	0	1	3,000,000	3,000,000	1	0	1	3,500,000	3,500,000
104	Dental Unit	Dental Unit	2	0	2	2,190,000	4,380,000	2	0	2	2,190,000	4,380,000	2	0	2	2,820,000	5,640,000	2	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	0	1	282,975	282,975	1	0	1	350,000	350,000	1	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	0	94,500	-	0	0	0	150,000	-	0	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	0	84,000	-	0	0	0	160,000	-	0	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	1	0	1	120,750	120,750	1	0	1	175,000	175,000	1	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	95,000	95,000	1	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	0	1	199,601	199,601	1	0	1	265,000	265,000	1	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	0	42,000	-	0	0	0	70,000	-	0	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	0	4	157,500	630,000	4	0	4	175,000	700,000	4	0	4	175,000	700,000
131	Beds	Fowler beds with Mattress	40	0	40	70,000	2,800,000	40	0	40	70,000	2,800,000	40	0	40	110,000	4,400,000	40	0	40	150,000	6,000,000
		Total					**47,352,910**					**47,352,910**					**61,953,820**					**91,207,638**
							47.353					**47.353**					**61.954**					**91.208**

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	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	1	4,000,000	4,000,000	1	4,000,000	4,000,000	1	4,000,000	4,000,000	2	6,500,000	13,000,000
5	Generator (100 KVA)	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-	0	2,300,000	-
6	2 Ton air conditioners (split)	33	55,500	1,831,500	33	55,500	1,831,500	33	55,500	1,831,500	33	55,500	1,831,500
7	2 Ton air conditioners (Cabinet)	14	78,000	1,092,000	14	78,000	1,092,000	14	78,000	1,092,000	14	78,000	1,092,000
8	4 Ton air conditioners (Cabinet)	1	120,000	120,000	1	120,000	120,000	1	120,000	120,000	1	120,000	120,000
9	Ceiling Fans 56"	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700	30	3,090	92,700
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	5,056,700	5,056,700	1	5,056,700	5,056,700	1	5,056,700	5,056,700	1	11,000,000	11,000,000
	Total			**13,508,340**			**13,508,340**			**13,508,340**			**28,451,640**
				13.508			**13.508**			**13.508**			**28.452**

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
	Total			**14,515,000**			**14,515,000**			**16,715,000**			**20,120,000**
				14.515			**14.515**			**16.715**			**20.120**

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
	Machinery and Equipment's												
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
	Laundry & Washing												
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
	Medicine Store												
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
	Total	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**1288300**	**18,787,500**
				13.504			**13.504**			**13.504**			**18.788**

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	9,914	59,484	6	9,914	59,484	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,070	54,420	6	9,070	54,420	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	110,223	110,223	1	110,223	110,223	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,162	141,620	10	14,162	141,620	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,040	22,040	1	22,040	22,040	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,549	29,549	1	29,549	29,549	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,490	36,490	1	36,490	36,490	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,314	44,314	1	44,314	44,314	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,741	51,741	1	51,741	51,741	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,783	23,349	3	7,783	23,349	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,253	277,518	6	46,253	277,518	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	40,355	80,710	2	40,355	80,710	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,037	445,185	5	89,037	445,185	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,790	338,950	5	67,790	338,950	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,206	200,824	4	50,206	200,824	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,788	203,152	4	50,788	203,152	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,842	89,894	7	12,842	89,894	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,691	73,820	20	3,691	73,820	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	849	84,900	100	849	84,900	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,394	139,400	100	1,394	139,400	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,538	176,900	50	3,538	176,900	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,800	18,000	10	1,800	18,000	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,245	12,450	10	1,245	12,450	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,385	47,700	20	2,385	47,700	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,662	103,310	5	20,662	103,310	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,129	53,225	25	2,129	53,225	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	640	3,200	5	640	3,200	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,120	11,200	10	1,120	11,200	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	870	13,050	15	870	13,050	15	1,225	18,375	15	1,225	18,375
		Total			**2,946,618**			**2,946,618**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			88,399			88,399			124,394			124,394
		Grand Total			**3,035,017**			**3,035,017**			**4,270,877**			**4,270,877**
					3.035			3.035			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEMS	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
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
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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
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
	TOTAL			**1,600,000**			**1,600,000**			**1,600,000**			**1,600,000**
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	**NAME OF POST**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**
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
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	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
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
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
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
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
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000
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
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
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
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
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
15	Rent for Vehicle				500,000				500,000				500,000				0
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
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
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
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
	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**
					17.220				**17.220**				**28.140**				
	Utilization of HR Component								**8.740**				**13.069**				
	Total of HR Component												**36.880**				

Salary for Two Years
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
3,255,000
2,728,000
4,340,000

600,000
1,920,000
1,200,000
4,000,000
500,000
540,000
420,000
1,200,000
240,000
40,473,000
40.473
53.542

Janitorial Se

Original

Assumptions			
Covered area excluding residential area	20,043	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	3	Persons	
Road and ROW area	34,044	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	2	Persons	
Number of washroom blocks	8	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	3	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	3,962,270
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)			**10,490,270**
			10.490

ervices

From 1st Revised to onwards
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.

Security and Parking

	Original				From 1st Revised to onwards
Assumptions					
Covered area excluding residences	20,043				
Covered Area per guard	15,000				
Number of guards	**1**				
Open area excluding parking area	34,044				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**2**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**10**				
Total number of all guards for second shift	**5**				
Lady Searcher	**2**				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.
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**8**				
Total no. of Supervisors	**2**				
Type of worker	**No of workers**	**Salary per month**	**Salary per Month for all Person**	**Salary for One year**	
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	
Sub total				**5,443,200**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=5, Walkies Talkies=10, Base Set=1)				500,000	
Sub total				**500,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**5,443,200**	
				5.443	

Laundry Services

	Original			From 1st Revised to onwards
Number of beds				
Type of Item	**No of Beds**	**Per bed cost per year**	**Total Cost**	
No of Bed	40	30,000	1,200,000	
Transport Charges			1,200,000	
Total for laundry items			**2,400,000**	
Total			**2.400**	

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**	
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	-	300,000	-	
Number of Generators (50 KVA)	1	175,000	175,000	
Repairs Cost	1	300,000	300,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			**1,795,000**	
			1.795	

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.

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**	
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			**217,000**	**2,604,000**	
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**	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:
A/C	66	6,665	439,890	439,890	**"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".**
Fridge	5	4,000	20,000	20,000	In view of above, Outsourcing cost has been excluded from this PC-I.
UPS	12	8,000	96,000	96,000	
Water Cooler	15	4,000	60,000	60,000	
Exhaust	7	3,000	21,000	21,000	
Geyser	15	4,000	60,000	60,000	
Water Pump	3	3,000	9,000	9,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				**1,080,890**	
General Total				**3,684,890**	
				3.685	

Medical Gases

Original

Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000
Total					**1,304,400**

1.304

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onwards
Sr. No.	**Description of work**	**Unit**	**Qty**	**Rate (Rs)**	**Amount (Rs)**	
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
Total Amount of Platform Construction					**1,225,070**	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazzed 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 glazzed 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	

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.

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onwards
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				**3,307,052**	
	Total Amount (Rs)				**4,532,121**	
22	Electrification				998,735	
23	Plumbing and Sanitory				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				**6,742,856**	

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.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	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	**STONE / PEBBLES**					
	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	**GRASSING**					
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	25,361	7	177,527	
b	**GRASSING (NEW LAWNS)**					
	Providing and dibbing of Fine Dacca grass , including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	9,361	11.25	105,311	
1.4	**TREE / SHRUBS (SPREADING)**					

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onwards
	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, Mimuspps, Pine, Ficus Amestal, 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	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, Jestropha Thai etc	No's	4,875	195	950,625	
1.6	**GROUND COVERS**					

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onwards
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	25,000	12	300,000	
1.7	**PALMS**					
	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	**CREEPERS**					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	100	195	19,500	
2	**HARD LANDSCAPE**					
2.1	**WALK WAYS**					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 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	
2.2	**BENCHES**					
	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	
2.3	**DUSTBINS**					

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onwards
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	23,675	189,400	
2.4	**PLAYING EQUIPMENTS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760	
2.5	**PLANTERS**					
	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	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	3	45,000	135,000	
3	**SOFT LANDSCAPE MAINTENANCE** (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	
4	**CONSTRUCTION OF PLANTERS**					
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	100	550	55,000	
4.2	**Medium Size** 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	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	240	550	132,000	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**7,256,468**	
	PRA(16%)				1,161,035	
	Design Consultancy				96,750	
	TPV (3%)				217,694	
	Grand Total				**8,731,947**	
					8.732	

Communication & Works Department

Govt. Of the Punjab

Executive Engineer Buildings
Division, Sialkot.

AMENDED **ROUGH COST ESTIMATE**

FOR THE WORK REVAMPING/OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT. (ADP No. 658 YEAR 2022-23).

Rs. ~~104.851~~ 61.728 (M)

PROVINCE	PUNJAB
DIVISION	BUILDING DIVISION, SAILKOT.
SUB DIVISION	BUILDINGS SUB DIVISION, SAMBRIAL.
NAME OF WORK	[redacted] **AMENDED ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.**
MAJOR HEAD	
MINOR HEAD	
ESTIMATE COST	61.728 ~~104.831~~ (M) ~~106.453 (M)~~ ~~105.048~~ (M)

ESTIMATE FRAMED BY: **EXECUTIVE ENGINEER BUILDINGS DIVISION, SIALKOT.**

FOR THE EXPENSE OF: **AMENDED ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.**

HISTORY: -

The scheme titled **"Revamping of THQ Hospital Sambrial, District Sialkot (ADP No. 792 for the year 2021-22)"** was administratively approved for an amount **Rs. 80.617 (M)** by the Secretary Primary & Secondary Healthcare Department, Punjab vide **Order No. PO(D-II)1-237/2021** Dated: **09.11.2021.** But due to change in plinth area rates for new bi-annual (i.e. 1st Bi-Annual 2022), the rough cost estimate was amended on basis of new plinth area rates. This amended rough cost estimate amounting **Rs. 93.055 (M)** was technically vetted by the Chief Engineer, Punjab Buildings Deptt (North Zone), Lahore vide Letter **No. CEBNZ/22/D** Dated: **04.01.2022**. But unfortunately the amended administrative approval couldn't be arranged by the Client department and resultantly scheme got dropped.

The same scheme has been reflected which is included in a block scheme titled **"Programme for Revamping of all THQ Hospitals in Punjab"** in this year's ADP at **G.Sr.No.658** for the year 2022-23. In this context, amended rough cost estimate has been prepared on the basis of fresh plinth area rates for 2nd Bi-Annual 2022 and the scope of work provided by the Project Manager (Civil), PMU, P&SHD, Govt. of Punjab vide Letter **No.0380** Dated: **01-08-2022.** Therefore, an amended rough cost estimate amounting **Rs. 106.453 (M)** has been framed for subject cited scheme for arrangement of amended administrative approval & requisite funds from the Competent Authority.

SCOPE OF WORK

The following scope of work is taken in the estimate.

(i) Revamping of Existing Block	20324Sft.
(iii) External Platform / Path ways (Concrete Paver).	10136Sft.
(iv) External Electrification (Improvement / up Lifting)	01-Job
(v) External Water Supply (Improvement / up Lifting)	01-Job
(vi) External Sewrage (Improvement / up Lifting)	01-Job
(vii) Provision of Power Wiring.	
(viii)Provision of Doube pole Street lights	12 No.

SPECIFICATIONS: - The work will be carried out according to the P.W.D Specifications.

RATES: - This estimate is based on MRS rates approved by Finance Department for **2nd Bi-Annual 2022 for the Period from (1st July 2022 to 31st December 2022).**

TIME LIMIT: - It will take about **18-months** to complete the work subject to the availability of funds commensurate with the pace of the progress .

LAND :- Land is available.

CARRYING OUT OF WORK :- The work will be carried out through an approved Govt contractor of Provincial Buildings Department after observing all the codal formalities.

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Sambrial.

EXECUTIVE ENGINEER
Buildings Division,
SIALKOT.

Primary & Secondary Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 07-11-2023

ORDER

No.PO(D-III)-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 17.08.2023, the Secretary of the Punjab is pleased to accord 2nd Revised Administrative Approval of 65 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" at cost mentioned against each sub-scheme, with revised completion period upto 30.06.2023.

Rs. in Millions

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
1	Revamping of THQ Hospital, Mc Nagrai District Jhang	14 [illegible]	[illegible]	[illegible]
2	Revamping of THQ Hospital, Ahmadpur Sial District Jhang	31 [illegible]	[illegible]	[illegible]
3	Revamping of THQ Hospital, Bhera District Sargodha	47 352	1[illegible] 313	245 665
4	Revamping of THQ Hospital Chak Jhumra District Faisalabad	[illegible]	[illegible]	[illegible]
5	Revamping of THQ Hospital, Choa Saiden Shah District Chakwal	[illegible]	[illegible]	[illegible]
6	Revamping of THQ Hospital, Dinga District Gujrat	14 853	199 147	214 000
7	Revamping of THQ Hospital, Fateh Jhang Distrct Attock	44 181	198 227	242 408
8	Revamping of THQ Hospital, Sillanwali District Sargodha	44 782	180 970	225 752
9	Revamping of THQ Hospital, Sohawa District Jhelum	87 554	189 648	277 202
10	Revamping of THQ Hospital, City Hospital Talagang District Chakwal	48 035	198 007	246 042
11	Revamping of THQ Hospital, Bhalwal District Sargodha	47 [illegible]10	204 [illegible]32	252 [illegible]66
12	Revamping of THQ Hospital, Shorkot District Jhang	47 [illegible]17	165 [illegible]75	212 [illegible]11
13	Revamping of THQ Hospital, Farazewala District Sheikhupura	33 815	200 [illegible]94	233 [illegible]09
14	Revamping of THQ Hospital, Kallar Kahar District Chakwal	46 [illegible]26	200 [illegible]90	246 [illegible]16
15	Revamping of THQ Hospital, Kotlar Syedan District Rawalpindi	116 [illegible]66	214 193	330 [illegible]59
16	Revamping of THQ Hospital, Kot Momin District Sargodha	47 789	166.711	214.500

Sr. No.	Sub Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
17	Revamping of THQ Hospital, Pind Dhatter District Hafizabad	71 400	164 789	236 389
18	Revamping of THQ Hospital, Sharakpur Sharif District Sheikhupura	49 738	201 744	251 482
19	Revamping of THQ Hospital, Hassan Abdal District Attock	84 954	172 721	257 675
20	Revamping of THQ Hospital, Khairpur Tamewali District Bahawalpur	35 773	186 083	221 856
21	Revamping of THQ Hospital, Kotkasba Virkan District Sheikhupura	13 [illegible]	190 659	205 883
22	Revamping of THQ Hospital, Jaranwala District Faisalabad	49 [illegible]	193 354	243 300
23	Revamping of THQ Hospital, Samanabad District Sialkot	[illegible]	191 [illegible]	243 [illegible]
24	Revamping of THQ Hospital, Shorkot District Jhang	[illegible]	225 674	321 209
25	Revamping of THQ Hospital, Talagang District Chakwal	36 911	193 047	229 918
26	Revamping of THQ Hospital, Depalpur District Okara	60 879	195 386	252 265
27	Revamping of THQ Hospital, Hasilpur District Bahawalpur	36 223	205 331	241 554
28	Revamping of THQ Hospital, Pasrur District Sialkot	14 419	202 032	216 451
29	Revamping of THQ Hospital, Kallar Kahar District Khushab	92 [illegible]	192 [illegible]	284 021
30	Revamping of THQ Hospital, Bandala District Sheikhupura	[illegible]	[illegible]	[illegible]
31	Revamping of THQ Hospital, Pasrur District Sialkot	[illegible]	209 416	219 298
32	Revamping of THQ Hospital, Pindi Ghaib District Attock	163 123	236 342	399 465
33	Revamping of THQ Hospital, Shahkot District Nankana	49 809	197 012	246 821
34	Revamping of THQ Hospital, Shahpur District Sargodha	48 933	190 360	239 358
35	Revamping of THQ Hospital, Yazman District Bahawalpur	44 533	160 991	205 514
36	Revamping of THQ Hospital, Chowk Azam District Layyah	47 156	210 394	257 550
37	Revamping of THQ Hospital, Lalian District Chiniot	41 [illegible]	193 149	210 054
38	Revamping of THQ Hospital, Murree District Rawalpindi	14 956	180 798	195 754
39	Revamping of THQ Hospital, Rohan District Rajanpur	14 048	200 543	214 591

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

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

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

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

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

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

GOVERNMENT OF THE PUNJAB
P&S HEALTH CARE DEPARTMENT
Dated Lahore 03.08.2022

To

Executive Engr
Building Divisi
Rawat

SUBJECT: Scope of Work of THQ Hospital Gambatal & THQ Hospital Pasrur

Please refer to the subject noted above.
Please find enclosed herewith scope of work for the purpose of Revamping of
1. THQ Hospital Gambatal
2. THQ Hospital Pasrur
It is requested that kindly put up estimate at your earliest according to the defined scope.

Project Manager Civil
PMU, P&SHD

CC:

1. Project Director, P&SH Department, Lahore.
2. Deputy Project Director, P&SH Department Lahore.
3. Director Infrastructure, P&SH Department Lahore.
4. Office Copy/Spare.

No. 3926/BE (M,I&C) Dated 4-8-2022

A Copy is forwarded along with its enclosures to
SDO (C) Gambatal for information and
necessary action please.

Mr. Qaisar, Engr, Pls prepare the
P.C.C for THQ Hospital Gambatal

Executive Engineer
Building Division
Mianwali

Page 83

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY THQ Sambrial 30-06-22

OPD (Ground Floor and Indoor Block)

Sr No	Item	OPD Block	Remarks	Doctor's rooms	DMS room	Wards	X-ray Room	Operation theatre
1	Porcelain Floor Tile replacement	Only patch work of Full Body Porcelain tiles needs to be fixed on floor.	Tiles specifications, brand, size and installation will be as per specified C&W standards.	Full Body Porcelain tiles needs to be fixed on floor on ground floor, first floor and second floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	Not required.	Not required.	Full Body Porcelain tiles (only patch work) needs to be fixed on floor on ground floor, first floor and second floor by dismantling existing terrazo and providing new PCC layer of specified thickness.	
2	Porcelain Wall Tile replacement	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Tiles specifications, brand, size and installation will be as per specified C&W standards.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) on ground floor, first floor and second floor after dismantling of existing surface.	Not required.	Remove wall panelling from the wall & provide dado of 6 ft height in wards.	Full-Body-Porcelain tiles (only patch work) needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) on ground floor, first floor and second floor after dismantling of existing surface.	

3	Wooden Doors flush or Solid/ Main Doors	Only main doors of entrances will be replaced by aluminium. Remainning doors which are in good condition will only be repainted in matt ash white paint.	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.	Only damaged doors (which are few) will be replaced by Solid flush doors. Remaining doors will only be repainted properly after scrapping the old paint.	Not required.	Doors are in good condition & only need to be repainted with matt ash white paint after scrapping the old paint.	Only damaged doors (which are few) will be replaced by Solid flush doors. Remaining doors will be repainted properly after scrapping the old paint. Main steel door will be replaced with new Aluminium main door.	
4	Verandah opening (opening to open area)/ MS-Windows-on-Façade	All damaged MS angle iron & jaali will be replaced-with-new-MS-angle iron & double jaali.	Specifications will be as per C&W standards.		Not required.	Not required.	All damaged MS angle iron & jaali will be replaced with new MS-angle-iron-& double jaali.	
5	Existing Internal Windows	All Existing internal MS windows need to be replaced with Aluminum Windows.	Specifications, Aluminum and glass color will be as per specified C&W Standards	All Existing internal windows need to be replaced with Aluminum Windows. Reduce size of windows if required.	All Existing internal windows need to be replaced with Aluminum Windows. Reduce size of windows if required.	All old MS internal windows need to be replaced with Aluminum Windows.	All old MS windows need to be replaced with aluminium windows.	
6	Internal Corridors.	Wall Panelling to be removed from walls and seepage issues to be rectified along with roof structure treatment with chemicals where roof steel bars are exposed.		---	---	Matt ash white paint is required after scrapping the old paint completely & apply wall putty prior to application of two coats of paints.	---	

7	Internal Electric fittings	All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	Model Specifications/ Brands, should be as per specified C&W Standards.		Not required.	All Electric fittings including switch boards, plates, sockets, should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.		
8	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with concealed wiring.	Model Specifications/ Brands and distance should be as per specified C&W Standards.		SMDs need to be installed.	SMDs need to be installed.	SMDs need to be installed.	
9	Revamping of Public Toilets	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply and sewerage connections.	

10	Wall Paint	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint brand and color will be as per C&W standards.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.		
11	Roof Treatment	---			---	---	---	---	---
12	Nursing Counter (Ward)	Reduce nursing counter height to 2.5'.			---	---	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.	Not required.	---
13	Stairs - Marble and Railing	All stairs with terrazo on steps need to be replaced with Marble/Granite on steps. All existing railing needs to be retained and only needs to be repainted.	Marble/Granite type and installation technique will be as per C&W Standards.	---	---	---	---	---	Black Granite marble will be provided on stairs.
14	Ramps - Tile and Railing	Chequered tiles need to be fixed on ramp. Existing Railing needs to be retained and needs to be repainted.		---	---	---	---	---	
15	Façade Uplifting	Minor Façade treatment with weather shield combinations and patterns should be executed on front elevation. (OPD Main Entrance Wall)							

16	Lead linning Walls (X-Ray)	---	---	---	---	---	Lead lining of x ray room is required.	---
17	Antimicrobial Treatment (OTs)	---		---	---	---	---	Anti microbial treatment (anti-static flooring, anti microbial wall panelling & dampa ceiling) is required in OTs.
18	External Weather Shield	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.		Only required where gulka tiles are not there.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	
19	Edge Protection	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.		SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	
20	Columns SS Cladding					---	---	
21	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.		Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	
22	Elevators							

23	Expansion joint of Building	Treat expansion joint of building property & cover it with SS patti		Treat expansion joint of building property & cover it with SS patti	Treat expansion joint of building property & cover it with SS patti	Treat expansion joint of building property & cover it with SS patti			
24	Any Other item				Hospital staff demands that a door opening should be provided from nursery, leading to DMS room to form a partition for breastfeeding mothers. This item may be taken in the estimate.				
25	External Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects. Similarly, few existing DB's need to replace as per site condition along with proper earthing of complete hospital.			There is a manhole in the DMS room which is required to relocate outside the room				

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY

Sr#	Description	Condition	Additional Information
1	Water Supply System		Existing OHRs with capacity
2	Sewerage System		Only storm water needs to be properly disposed off. C&W will decide accordingly.
3	External Pathways		Need to relay tuff paver after compacting the surface properly.
4	Boundary Wall		Not required.
5	Main Gate		Not required.
6	Sources of Electrical Supply		Demand Notice to be paid for Dual Supply or Express Line.
7	Transformer		Requirement of transformer will be assessed after visit of Wapda & DN to be paid accordingly as per site requirement.
8	ATS Panel for Generators		As per site requirement.
9	Electrical Panel Room		Available. Minor repair works need to be done.
10	External Wires		All external wires/cables should be replaced after detail electrical analysis & design. Moreover these main wires should be concealed in all respects.
11	Water Filtration Plant		Presently available RO plant is donated by an NGO & according to hospital staff it does not serve the purpose. C&W will re-assess the hospital need & decide accordingly.

STATEMENT SHOWING PLINTH AREA RATES (with improved specifications)
FOR DIFFERENT TYPE OF BUILDINGS IN PUNJAB BUILDINGS DEPARTMENT (NORTH ZONE), LAHORE.

2nd BI-ANNUAL 2022 (PERIOD 1st July-2022 to 31st Dec-2022).

Sr. No.	TYPE OF BUILDING	UNIT	GUJRANWALA						RAWALPINDI					SARGODHA					
			Gujwala	Sialkot	Gujrat	M.B.Din	Narowal	Hafiz Abad	Rawalpindi	Chakwal	Attock	Jhelum	Murree North Section Kotlia	Sargodha	Khushab	Mianwali	Bhakkar	Tehsil Shahpur Valy Khushab	
	NON-RESIDENTIAL BUILDINGS :																		
1	SCHOOLS	P.Sft.	3430	3430	3430	3430	3430	3430	3399	3399	3399	3399	3461	3335	3335	3335	3335	3335	3380
2	COLLEGES	P.Sft.	3693	3693	3693	3693	3693	3693	3641	3641	3641	3641	3705	3491	3491	3491	3491	3491	3571
3	HOSTELS	P.Sft.	3714	3714	3714	3714	3714	3714	3691	3691	3691	3691	3754	3516	3516	3516	3516	3516	3639
4	HOSPITALS	P.Sft.	3712	3712	3712	3712	3712	3712	3652	3652	3652	3652	3717	3553	3553	3553	3553	3553	3666
5	MISC. BUILDINGS	P.Sft.	3783	3783	3783	3783	3783	3783	3721	3721	3721	3721	3786	3640	3640	3640	3640	3640	3655
6	MULTI PURPOSE HALL WITH PRE-CAST / PRE-STRESSED DOUBLE T-T ROOF ON ALL (CEILING HEIGHT= 23'FT)	P.Sft.	3049	3049	3049	3049	3049	3049	3004	3004	3004	3004	3057	2939	2939	2939	2939	2939	2966
7	GARRAGE / CYCLE STAND	P.Sft.	2653	2653	2653	2653	2653	2653	2586	2586	2586	2586	2661	2492	2492	2492	2492	2492	2497
	RESIDENTIAL BUILDINGS :																		
8	B.P.S. No 1-10	P.Sft.	4880	4880	4880	4880	4880	4880	4793	4793	4793	4793	4850	4676	4676	4676	4676	4676	4685
9	B.P.S. No 11-14	P.Sft.	4615	4615	4615	4615	4615	4615	4540	4540	4540	4540	4595	4440	4440	4440	4440	4440	4450
10	B.P.S. No 15-17	P.Sft.	5047	5047	5047	5047	5047	5047	4970	4970	4970	4970	5035	4873	4873	4873	4873	4873	4881
11	B.P.S. No 18-19	P.Sft.	4357	4357	4357	4357	4357	4357	4290	4290	4290	4290	4348	4204	4204	4204	4204	4204	4216
12	B.P.S. No 20 & ABOVE	P.Sft.	5091	5091	5091	5091	5091	5091	5018	5018	5018	5018	5068	4931	4931	4931	4931	4931	4954
13	Compound Wall 4.5" thick, & 6'-0" ft. Height above Plinth Level	P.Rft.	2428	2428	2428	2428	2428	2428	2377	2377	2377	2377	2444	2240	2240	2240	2240	2240	2243
14	Boundary Wall 9" thick, & 8.00 ft. Height above Plinth Level	P.Rft.	3809	3809	3809	3809	3809	3809	3667	3667	3667	3667	3777	3420	3420	3420	3420	3420	3430
15	Boundary Wall 9" thick, & 8.00 ft. Height above Plinth Level	P.Rft.	7634	7634	7634	7634	7634	7634	7660	7660	7660	7660	7470	7469	7469	7469	7469	7469	7469
16	INTERNAL ELECTRIC INSTALLATION EXCEPT CYCLE STAND & GARRAGES	P.Sft.	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
17	INTERNAL PUBLIC HEALTH PORTION	P.Sft.	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
18	INTERNAL SUI GAS	P.Sft.	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
19	INTERNAL ELECTRIC INSTALLATION FOR CYCLE STAND & GARRAGES	P.Sft.	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122
	ADDITION / REDUCTIONS IN PLINTH AREA RATES :																		
20	ADD FOR STRIP / ISOLATED COLUMN FOOTING	P.Sft.	587	587	587	587	587	587	561	561	561	561	574	568	568	568	568	568	577
21	ADD FOR EACH ONE FT. ADDITIONAL HEIGHT ABOVE 12' FT		78	78	78	78	78	78	72	72	72	72	74	66	66	66	66	66	64
22	ADD FOR EACH ONE FT. DEEPER FOUNDATION	P.Sft.	70	70	70	70	70	70	73	73	73	73	75	68	68	68	68	68	70
23	ADD FOR RIBBED RAFT FOUNDATION (FIVE STOREY'S)	P.Sft.	1966	1966	1966	1966	1966	1966	1860	1860	1860	1860	1885	1912	1912	1912	1912	1912	1937
24	ADD FOR FLAT RAFT FOUNDATION (FIVE STOREY'S)	P.Sft.	2004	2004	2004	2004	2004	2004	1907	1907	1907	1907	1921	1961	1961	1961	1961	1961	1981
25	ADD FOR BASEMENT (PROVISION FOR STEM OF RCC RETAINING WALL ONLY)	P.Sft.	1405	1405	1405	1405	1405	1405	1365	1365	1365	1365	1378	1384	1384	1384	1384	1384	1394
26	ADD FOR FOUNDATION FOR FIRST AND SUBSEQUENT FLOORS	P.Sft.	150	150	150	150	150	150	157	157	157	157	160	147	147	147	147	147	150
27	ADD FOR FRAME STRUCTURE FOR EACH FLOOR	P.Sft.	834	834	834	834	834	834	813	813	813	813	822	822	822	822	822	822	829
28	REDUCED COST OF FOUNDATION FO FIRST AND SUBSEQUENT FLOORS	P.Sft.	530	530	530	530	530	530	549	549	549	549	568	520	520	520	520	520	536
29	ATC FOR FIRST AND SUBSEQUENT FLOORS	P.Sft.	150	150	150	150	150	150	157	157	157	157	160	147	147	147	147	147	150

Note:

i. The rates are worked out on the basis of standard drawings / specifications, normal bearing capacity 0.75 Tsf, normal plinth level 4 ft above ground Level, and foundation 4ft deep from [illegible].

ii. The rates for multi storied buildings are based on local bylaws.

iii. The boundary wall of 6'-0" height is with RCC pedestal at 10' c/c 12"x9" & Plinth Beam 12"x9" with RCC coping as per design provided by the Director P&D.

iv. Rates of services & are on basis of 1" thick insulation material of Extruded Polystyrene XPS as Roof Insulation / Foam Board on roof.

v. The Plinth area rates are on basis of rubble stone for crushed stone aggregate/ bajri from approved quarry in the site of work.

vi. These rates are for following minimum specifications as approved by Chief Architect vide Memo No CA/132-44, dated 10.06.2022 such as Porcelain tile for floor in Corridor for Bath Room Dado glazing, Aluminum windows, Solid wooden door, M.S Sheet Chowkat, Plastic Emulsion paint work, Weather shield paint & Fiber Glass [illegible] Gypsum 12.5 and 25 & Above.

(FAHIM IKRAM KHAN)
Chief Architect & Addl. Chief Engineer
Punjab Buildings Department

(DEPUTY DIRECTOR (TECH.))
Executive Engineer (North Zone)
Punjab Buildings Department Lahore

Sr. #	Description of work	As per Estimate based on 2nd BI-ANNUAL-2021 (01.07.2021 to 31.12.2021)				AS PER PLINTH AREA RATES 1ST BI-ANNUAL-2022 (01.01.2022 to 30.06.2022)														Difference		Remarks
		Plinth Area/ Qty	Unit	Total Rate	Amount	Plinth Area / Qty	Unit	BUILDING PORTION						P.H	E.I	S.G	Total rate (9-17)	Amount (7x18)	Excess	Saving.	
								BP	Extra rate for strip foundation / isolated footing	Extra for frame structure for each floor	Extra for foundation for 1st floor & subsequent floor	Reduced cost of foundation	Extra for 1st floor & subsequent floor								
																	99152	20151652			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	15	2,144,588	16	17
1	Revamping of Existing Block	20324	P.Sft	886	16,007,064	20324	Sft.	P.Sft	~~869~~	658.52					121	160	52	~~1092~~	~~20,364,648~~	~~2,357,584~~	-	Ammended Estimate prepared on basis of 1st Bi annual 2022 estimate amended due to change of plinth Area rates
2	Facade Improvement	1 Job	P.Job	3907800	3907800	1	Job	P.Job	~~5013310~~	77598	(Analysis Attached)					77598	~~5013310~~	~~7,777,500~~	~~5,805,500~~	-		
3	External Platform / Path ways (Concrete Paver)	26724	P.Sft	407.65	10,894,010	1	Sft	P.Job	2398460		(Detailed Attached)						2398460	2,398,460	3852000	8,495,549		
4	External Electrification (Improvement / up Lifting)	1 Job	P.Job	28280267	28290267	1	Job	P.Job	28504192		(Detailed attached)					2715391	~~28504192~~	~~28,504,192~~	~~213,925~~	1738868		
5	External Water Supply (Improvement / up Lifting)	1 Job	P.Job	2526775	2526775	1	Job	P.Job	3437400		(Detailed attached)						3437400	3,437,400	910,625	-		
6	External Sewrage (Improvement / up Lifting)	1 Job	P.Job	3500100	3500100	1	Job	P.Job	4392629		(Detailed attached)						4392629	4,392,629	892,529	-		
7	Provision for cable for Internet, Telephone & Computer Networking	20324	P.Sft	100	2,032,400	20324	Sft	P.Sft	139		(Detailed attached)						139	2,825,036	792,636	-		
8	Provision for Power Wiring	20324	P.Sft	80	1,625,920	1	Job	P.Job	13782402		(Detailed attached)						13782402	13,782,402	12,156,482	-		
9	Providing and fixing 2'-9" high stair railing comprising of mm magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG weldedwith vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ftc/c fixed on alternate steps with 3" long steel screws and brass rawal plugs . 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gplies fixed on vertical post, vc stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	300	P.Rft	692	207,600	300	Rft.	P.Rft	1784.3		(Detailed attached)						1784.3	535,290	327,690	-		
10	S/S of metalic service logo with letter head as per approved sample of complete in all respect	1 No	P.Each	70000	70000	1	No.	Each	70000		(Detailed attached)						70000	70,000	-	-		
11	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Class) of specified diameter embedded in P.C.C (1:2:4.) c/c the cost of excavation cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge) 4" dia GI Pipe Supports	2400	P.Sft	650	1,560,000	2400	Sft	P.Sft	546.15		(Detailed attached)						546.15	1,310,760	-	249,240		

	mm at bottom to 100 mm at top,with 1500 mmx60 mm dia arm for double installation, duly G I welded with 470x270x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,VcLED Cobra-head Luminaires of specified wattage and lumens conforming to IP 65, 120 Watt with 14400 Lumens (120 Lm/Watt) Philips/Osram/Thorn with the cost of nuts & J-rag bolts,duly fixed in preiad concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge.Double Arm 10 mtr height	12 Job	P.Job	65000	780000	12	No.	No.	167375.95			(Detailed attached)					167375.95	2,008,511	1,228,511	-	79575.95+43900=123475.95
13	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4"c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart c/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts , binding wire, painting of posts, etc complete in all respects as pproved and directedby the Engineer incharge.. (255-1/2+215-5/8+398-1/4)	865	P.Rft	400	346,000	867	Rft	P.Rft	322.55			(Detailed attached)					322.55	279,530	-	66,470	
14	Cost of Dismantling	1 job	P.Job	116368	116368	1	Job	P.Job	140028			(Detailed attached)					140028	140,028	23,660	-	
					Total	73,695,579												89,362,186	24,303,742	8,811,259	
					Add 5% P.R.A tax (+)	3,684,779												4,498,169	813,390	627,366/-	
					Add 1% Green Punjab Tax (+)	736,956												900,822	163,866	125,775/-	
					Add WAPDA & SUI GAS charges (+)	2,500,000												2,500,000	-	-	
					Grand Total	80,617,314												97,260,977	25,280,798	9,564,400/-	
					Say Rs.	80,617,000												97,260,000	25,280,000	9,564,000/-	
					Amount in Millions	80.617												97.260	25.280	-	(M)

Adminstrative Approval Cost =80.617 (M)

Amended Estimate Cost = ~~97.660~~ (M)

Difference = ~~17.243~~ (M) or ~~24.39~~ % above

93.055 (M)

93055033

93.055 (M)

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
SAMBRIAL

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

SUB DIVISIONAL OFFICER
Buildings Sub Division No.2
Sialkot

05/4/2022

AMENDED ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

Sr. #	Description of work	As per Approved Rough Cost Estimate MRS, 2ND BI-ANNUAL-2021 (01.07.2021 to 31.12.2021)							As per Amended Rough Cost Estimate MRS, 2ND BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)							Difference		Remarks
		Plinth Area / Qty	Unit	BP	E.I	P.H	S.G	Total rate (5-8)	Amount (3x9)	Plinth Area / Qty	Unit	BP	E.I	P.H	S.G	Total rate (13-16)	Amount (11x17)	Excess	Saving	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	11
1	Revamping of Existing Block	20324	P.Sft	645	118	92	31	886	18,007,064	20324	P.Sft	~~1699/-~~ 1777 ~~1703~~	222	117		~~1929~~ 1916 ~~1442~~	~~27213826~~ ~~30,811,184~~ 29307208	~~12,804,120~~	-	This RCE is formulated on the basis of Plinth Area Rates circulated by Chief Engineer Punjab Buildings Department North Zone for 2nd Bi-Annual 2022 (1st July 2022 to 31st Dec 2022)
2	Facade Improvement	1	P.Job					3907800	3,907,800									-	3,907,800	
3	External Platform / Path ways (Concrete Paver).	1	P.Job	0				10894010	10,894,010	~~10180~~	P.Sft	~~302~~				~~302~~	3056683 ~~3,057,818~~ 1649122	-	~~7,836,992~~	
4	External Electrification (Improvement / up Lifting)	1	P.Job	0				28290267	28,290,267	1	P.Job	31186155				~~31186155~~	10340120 ~~31,186,135~~	~~2,895,888~~	~~17950147~~	
5	~~External Water Supply (Improvement / up Lifting)~~	~~1~~	~~P.Job~~	~~0~~				2526775	2,526,775	1	P.Job	~~4029412~~				4029412	3988417 ~~4,029,412~~ 1669118	~~1,502,637~~	-	
6	External Sewrage (Improvement / up Lifting)	1	P.Job	0				3500100	3,500,100	1	P.Job	5337268				5337268	5,337,268	1,837,168	-	
7	Provision for cable for internet Telephone & Computer Networking.	20324	P.Sft					100	2,032,400			17838289						-	2,032,400	
8	Provision for Power Wiring	1	P.Job	0				1625920	1,625,920	1	P.Job	14454235				14454235	~~14,454,035~~ 1418910	~~12,828,315~~	-	
9	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG weldedwith vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ftc/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.	300	P.Rft					692.00	207,600									-	207,600	
10	S/E of Matalic Service logo with letter head as per approved sample of complete in all respect.	1	Each					70000	70,000									-	70,000	

11	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation,cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge.) 4" dia GI Pipe Supports	2400	P.Sft					650.00	**1,560,000**									-	**1,560,000**	
12	Supplying,installation testing and commissioning of Octagonal shape electric street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel,tappered from 225 mm at bottom to 100 mm at top,with 1500 mmx60 mm dia. arm for luminaire installation, duly G.I.welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet,with built in junction box with shutter,i/c LED Cobra-head Luminaries of specified wattage and lumens conformimg to IP 65, **(120 Watt with 14400 Lumens 120 Lm/Watt)** Philips/Osram/Thorn with the cost of nuts & J-rag bolts,duly fixed in prelaid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer Incharge.**Double Arm 10 mtr height**	12	No	65000.00				65000.00	**780,000**	12	No	216587.40				216587.40	**2,599,049**	**1,819,049**	-	109,972.20+53,307.60+53,307.60 =216587.4

13	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4"c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizantally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directedby the Engineer incharge.. (255-1/2+215-5/8+398-1/4)	865	P.RFt	400				400.00	345,850								-	345,850	
14	Cost of Dismantling	1	P.Job	116368				116368	116,368								-	116,368	
15	Construction of Electric L.T.Room (18'x18")									324	P.Sft	3712	222			3934	~~1,274,616~~	~~1,274,616~~	-
									Total	73,695,579						Total	~~92,748,937~~	~~26,180,368~~	16,077,010
									Add 5%External Development(+)							Add 5%External Development on Rs. 1,274,616	63,731	63,731	-
										73,695,579						50217423 ~~41267362~~ Total	~~92,812,668~~		-
									Add 5% P.R.A tax (+)	3,684,779						2510871 ~~4563368~~ Add 5% P.R.A tax (+)	~~4,640,633~~	~~955,054~~	-
									Add 1%Green Punjab Tax(+)	736,956								-	736,956
									Add WAPDA & SUI GAS charges (+)	2,500,000						Add WAPDA & SUI GAS charges (+)	9,000,000	6,500,000	-
									Grand Total	80,617,314						61728294 ~~104830730~~ Grand Total	~~106,453,301~~	~~42,649,934~~	~~16,813,866~~
									Say Rs.	80,617,000						Say Rs.	~~106,453,000~~		
									Amount in Millions	80.617						Amount in Millions	~~106.453~~ (M)		

~~104.831~~ (M)
61.728

For Dual Supply or Express Line

Chief Engineer
Punjab Building Deptt.
North Zone, Lahore.

Chief Engineer
Punjab Building Deptt.
North Zone, Lahore.

~~104.831~~ (M)
61.728

Administrative Approved Cost	=	80.617	(M)
Amended Estimate Cost	=	106.453	(M)
Difference	=	25.836	(M) or 32.05 % Above

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
SAMBRIAL

for **EXECUTIVE ENGINEER**
Buildings Division
SIALKOT

SUPERINTENDING ENGINEER
Buildings Circle No.2
Gujranwala.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

ABSTRACT OF COST (Revamping of Existing Block)

S.No.	Description.	Amount.
1	Dismantling	109663/- 440006/-
2	Building Portion	21239118/- 23962594/-
	Total	21398781/- 24402600/-
	D/d Cost of Old Material	1076644/- 392673/-
	Net Total	22427259/- 24009927/-

Rate Per Sft (24009927/20324)= 20338137/- 1182

Say Rs 1031148/- 1000/-

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

Executive Engineer
Buildings Division,
Sialkot.

DISMANTLING

S.No	Description of Item		Qty.		Rate	Unit	Amount
1-	Removing C/S or Lime Plaster.						
	X-Rays Department	1x2x(19-1/4+11-1/8)x4-1/2	273	Sft.			
		1x2x(7-7/8+5-7/8)x4-1/2	124	"			
		1x2x(7-7/8+4-1/2)x4-1/2	111	"			
	Mortuary	2x2x(12+9)x5	420	"			
	"	1x2x(5+9)x5	140	"			
	"	1x2x(4-1/4+9)x5	133	"			
		Total =	~~1201~~ 693	Sft	352	% Sft	2439 - ~~4228~~
2	Removing door with chowkat.						
			~~94~~	Nos			
		Total =	~~94~~	Nos	~~448.45~~	Each	~~42154~~
3	Removing windows and sky lights with chowkat.						
	Windows	89	89	No			
	ventilators	26	26	"			
	ventilators	15	15	"			
		Total =	130	No	350.45	Each	45559
3	Dismantling glazed or encaustic tiles, etc						
	Part-1						
	Children Ward	1x21x18-5/6	396	Sft			
	Store	1x10-1/6x6	61	Sft			
	Medical Ward Female	1x21x18-5/6	396	Sft			
	Head Nurse Room	1x10-1/6x6	61	Sft			
	Medical Ward Male	1x21x18-5/6	396	Sft			
	Nursing Station Room	1x10-1/6x6	61	Sft			
	Emergency Room	1x21x18-5/6	396	Sft			
	Tea Room	1x10x10-1/12	101	Sft			
	Dress Changing Room	1x10-1/6x16-5/6	172	Sft			
	Nurse Duty Room	1x10-1/6x16-5/6	172	Sft			
	Procedure Room	1x10-1/6x16-5/6	172	Sft			
	Dengue Ward	1x16-1/12x12	193	Sft			
	T.B. Room	1x15x8	120	Sft			
	E.P.I Room	1x15x8	120	Sft			
	Clerk Room	1x10-1/12x14-3/4	149	Sft			
	M.S. Room	1x15-1/2x14-3/4	229	Sft			
	General Surgeon Room	1x15-1/2x14-3/4	229	Sft			
	Child Speacilist	1x15-1/2x14-3/4	229	Sft			
	Eye Speacilist	1x16-1/4x14-3/4	240	Sft			
	Emergency Room	1x15-2/3x14-3/4	232	Sft			
	O.P.D	1x16x14-3/4	236	Sft			
	Door Sill			Sft			
	D3	14x3-1/2x1-1/8	56	Sft			
	D4	3x3x1-1/8	11	Sft			
	D5	17x2-1/2x1-1/8	48	Sft			
	D6	11x6x1-1/8	75	Sft			
				Sft			
	Part-2			Sft			
	New Room	1x7-1/2x8-3/4	66	Sft			
	New Room	1x18-1/2x18	333	Sft			
	New Room	1x8x12-2/3	102	Sft			
	New Room	1x21-1/6x18	381	Sft			
	New Room	1x16-11/12x10-1/12	171	Sft			
	Surgeon Study Room	1x13x10-1/12	132	Sft			
	Delievery Room	1x15-5/6x18	285	Sft			
	New Room	1x7-1/2x7-1/2	57	Sft			
	New Room	1x7-1/2x7-2/3	58	Sft			
	New Room	1x18-1/2x15-11/12	295	Sft			
	New Room	1x17-11/12x15-11/12	286	Sft			
	New Room	1x7-1/2x11-1/3	85	Sft			

S.No	Description of Item		Qty.		Rate	Unit	Amount
	New Room	1x7-1/2x4-1/4	32	Sft			
	Medicine	1x17-11/12x15-11/12	286	Sft			
	Washing Room	1x7-5/6x7-5/6	62	Sft			
	Operation Theatre	1x13-3/4x15-11/12	219	Sft			
	Medicine Store	1x19-5/6x31	615	Sft			
	Dental Operation	1x15x12	180	Sft			
	Dental Surgeon	1x11-1/2x12	138	Sft			
	New Room	1x12-5/6x12	154	Sft			
	Dispensary	1x11-5/6x9-11/12	118	Sft			
	Laboratory	1x14-11/12x12-1/12	181	Sft			
	Collection Room	1x8-11/12x12-1/12	108	Sft			
	General Store	1x8-11/12x12-1/12	108	Sft			
	X-Ray Room	1x19-1/4x11-1/12	214	Sft			
	Film Store	1x7-5/6x5-5/6	46	Sft			
	Dark Room	1x7-5/6x4-1/2	36	Sft			
	Duty Room	1x11-2/3x11-1/12	130	Sft			
	Gyne Ward	1x13-11/12x11-1/12	155	Sft			
	Dengue Ward	1x13-11/12x11-1/12	155	Sft			
	New Room	1x4x6-1/4	25	Sft			
	Door Sill			Sft			
	D1	6x5x1-1/8	34	Sft			
	D2	9x4x1-1/8	41	Sft			
	D3	16x3-1/2x1-1/8	63	Sft			
	D4	5x3x1-1/8	17	Sft			
	D5	11x2-1/2x1-1/8	31	Sft			
		Total =	6950	Sft	3,391.85	% Sft	237989
4	Dismantling brick or flagged flooring without concrete foundation.						
	Part-1						
	Front of New Block	1x32-3/4x24-1/4	794	"			
	"	1x101x27-1/4	275	"			
	Front of Old Block	1x125x29	3625	"			
	Main Ent	1x(23+17)/2x(7+16-1/2)/2	235	"			
	Side	1x165x4	660	"			
		Total =	5589	Sft	866.2	% Sft	48412
5	Dismantling brick work in lime or cement mortar.						
	Manhole	10x2x5'x3/4'x4'	300	"			
	"	10x2x2-1/2'x3/4'x4'	150	"			
	partation wall	1x2x12'x3/4'x12'	216				
	entrance counter	1x19'x3/8'x2-1/2'	17.8125				
	"	2x2-1/2'x3/8'x2-1/2'	4.6875				
	nursing counter	6x4'x3'x2-1/2'	180				
		Total =	869	Cft	4,330.90	%Cft	37636
					3590.4		
6	Dismantling cement concrete reinforced separating reinforcement from concrete,cleaning and straightening the same.						
	Manhole	10x1x5'x4'x1/3'	66	"			
	entrance counter	1x19'x3'x1/2'	28.5				
	nursing counter	6x4'x3'x1/2'	36				
		Total =	131	Cft	18,342.70	%Cft	24029
						Total =	410006
							109663

Sub Engineer

(SUB DIVISIONAL OFFICER)
Buildings Sub Division,
Sambrial.

13/2/11

(EXECUTIVE ENGINEER
Building Division,
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

REVAMPING OF EXISTING THQ BLOCK

S.N	Description of Item	Qty.		Rate	Unit	Amount
1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) **Ratio 1: 2: 4 :**					
	Part-1					
	Children Ward	1x21x18-5/6x1/6	1/8	50 66	Cft	
	Store	1x10-1/6x6x1/6		8 11	"	
	Medical Ward Female	1x21x18-5/6x1/6		66	"	
	Head Nurse Room	1x10-1/6x6x1/6		11	"	
	Medical Ward Male	1x21x18-5/6x1/6		66	"	
	Nursing Station Room	1x10-1/6x6x1/6		11	"	
	Emergency Room	1x21x18-5/6x1/6		66	"	
	Tea Room	1x10x10-1/12x1/6		17	"	
	Dress Changing Room	1x10-1/6x16-5/6x1/6		29	"	
	Nurse Duty Room	1x10-1/6x16-5/6x1/6		29	"	
	Procedure Room	1x10-1/6x16-5/6x1/6		29	"	
	Dengue Ward	1x16-1/12x12x1/6		33	"	
	T.B. Room	1x15x8x1/6		20	"	
	E.P.I Room	1x15x8x1/6		20	"	
	Clerk Room	1x10-1/12x14-3/4x1/6		25	"	
	M.S. Room	1x15-1/2x14-3/4x1/6		39	"	
	General Surgeon Room	1x15-1/2x14-3/4x1/6		39	"	
	Child Speacilist	1x15-1/2x14-3/4x1/6		39	"	
	Eye Speacilist	1x16-1/4x14-3/4x1/6		40	"	
	Emergency Room	1x15-2/3x14-3/4x1/6		39	"	
	O.P.D	1x16x14-3/4x1/6		40	"	
	Door Sill				"	
	D3	14x3-1/2x1-1/8x1/6		10	"	
	D4	3x3x1-1/8x1/6		2	"	
	D5	17x2-1/2x1-1/8x1/6		8	"	
	D6	11x6x1-1/8x1/6		13	"	
	Part-2					
	New Room	1x8x12-2/3x1/6		17	"	
	New Room	1x21-1/6x18x1/6		64	"	
	New Room	1x16-11/12x10-1/12x1/6		29	"	
	Surgeon Study Room	1x13x10-1/12x1/6		22	"	
	Delievery Room	1x15-5/6x18x1/6		48	"	
	New Room	1x17-11/12x15-11/12x1/6		48	"	
	New Room	1x7-1/2x11-1/3x1/6		15	"	
	New Room	1x7-1/2x4-1/4x1/6		6	"	
	Medicine	1x17-11/12x15-11/12x1/6		48	"	
	Washing Room	1x7-5/6x7-5/6x1/6		11	"	
	Medicine Store	1x19-5/6x31x1/6		103	"	
	Dental Operation	1x15x12x1/6		30	"	
	Dental Surgeon	1x11-1/2x12x1/6		23	"	
	New Room	1x12-5/6x12x1/6		26	"	
	Dispensary	1x11-5/6x9-11/12x1/6		20	"	
	Laboratory	1x14-11/12x12-1/12x1/6		31	"	
	Collection Room	1x8-11/12x12-1/12x1/6		18	"	
	General Store	1x8-11/12x12-1/12x1/6		18	"	
	Duty Room	1x11-2/3x11-1/12x1/6		22	"	
	Gyne Ward	1x13-11/12x11-1/12x1/6		26	"	
	Dengue Ward	1x13-11/12x11-1/12x1/6		26	"	
	New Room	1x4x6-1/4x1/6		5	"	
	Door Sill				"	
	D1	6x5x1-1/8x1/6		6	"	
	D2	9x4x1-1/8x1/6		7	"	
	D3	16x3-1/2x1-1/8x1/6		11	"	
	D4	5x3x1-1/8x1/6		3	"	
	D5	11x2-1/2x1-1/8x1/6		6	"	

S.N	Description of Item	Qty.		Rate	Unit	Amount
	Total=	1457	Cft	38271.80	% Cft	~~557620~~ 418311 —
2	Providing and laying superb quality Porcelain glazed tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer forfinishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.**Full body Glazed tiles. 600mmx600 mm**	~~1457~~ x 6/8 = ~~1093~~ 1093				
	Part-1					
	Children Ward	1x21x18-5/6	396	Sft		
	Store	1x10-1/6x6	61	"		
	Medical Ward Female	1x21x18-5/6	396	"		
	Head Nurse Room	1x10-1/6x6	61	"		
	Medical Ward Male	1x21x18-5/6	396	"		
	Nursing Station Room	1x10-1/6x6	61	"		
	Emergency Room	1x21x18-5/6	396	"		
	Tea Room	1x10x10-1/12	101	"		
	Dress Changing Room	1x10-1/6x16-5/6	172	"		
	Nurse Duty Room	1x10-1/6x16-5/6	172	"		
	Procedure Room	1x10-1/6x16-5/6	172	"		
	Dengue Ward	1x16-1/12x12	193	"		
	T.B. Room	1x15x8	120	"		
	E.P.I Room	1x15x8	120	"		
	Clerk Room	1x10-1/12x14-3/4	149	"		
	M.S. Room	1x15-1/2x14-3/4	229	"		
	General Surgeon Room	1x15-1/2x14-3/4	229	"		
	Child Speacilist	1x15-1/2x14-3/4	229	"		
	Eye Speacilist	1x16-1/4x14-3/4	240	"		
	Emergency Room	1x15-2/3x14-3/4	232	"		
	O.P.D	1x16x14-3/4	236	"		
	Door Sill			"		
	D3	14x3-1/2x1-1/8	56	"		
	D4	3x3x1-1/8	11	"		
	D5	17x2-1/2x1-1/8	48	"		
	D6	11x6x1-1/8	75	"		
	Part-2					
	Labour Room	1x18-1/2x18	333	"		
	New Room	1x7-1/2x8-3/4	66	"		
	New Room	1x8x12-2/3	102	"		
	New Room	1x21-1/6x18	381	"		
	New Room	1x16-11/12x10-1/12	171	"		
	Surgeon Study Room	1x13x10-1/12	132	"		
	Delievery Room	1x15-5/6x18	285	"		
	New Room	1x17-11/12x15-11/12	286	"		
	New Room	1x7-1/2x11-1/3	85	"		
	New Room	1x7-1/2x4-1/4	32	"		
	Medicine	1x17-11/12x15-11/12	286	"		
	Washing Room	1x7-5/6x7-5/6	62	"		
	Medicine Store	1x19-5/6x31	615	"		
	Dental Operation	1x15x12	180	"		
	Dental Surgeon	1x11-1/2x12	138	"		
	New Room	1x12-5/6x12	154	"		
	Dispensary	1x11-5/6x9-11/12	118	"		
	Laboratory	1x14-11/12x12-1/12	181	"		
	Collection Room	1x8-11/12x12-1/12	108	"		
	General Store	1x8-11/12x12-1/12	108	"		
	X-Ray room	1x19-1/4x11-1/12	214	"		
	Film Store	1x7-5/6x5-5/6	46	"		
	Dark room	1x7-5/6x4-1/2	36	"		
	Duty Room	1x11-2/3x11-1/12	130	"		
	Gyne Ward	1x13-11/12x11-1/12	155	"		
	Dengue Ward	1x13-11/12x11-1/12	155	"		
	New Room	1x4x6-1/4	25	"		
	Door Sill			"		
	D1	6x5x1-1/8	34	"		
	D2	10x4x1-1/8	41	"		

S.N	Description of Item		Qty.		Rate	Unit	Amount
	D3	19x3-1/2x1-1/8	63	"			
	D4	6x3x1-1/8	17	"			
	D5	11x2-1/2x1-1/8	31	"			
		G.Total=	**9321**	**Sft**	**341.95**	**P.Sft**	**3187316**
3	Providing and laying superb quality Porcelain glazed tiles of **Master brand, skirting/dado** of specified size, Color and Shade with adhesive/ bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer forfinishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **Full body Glazed tiles. 600mm x 600 mm**						
	Part-1						
	Children Ward	2x(21+18-5/6)x6	478	Sft			
	Store	2x(10-1/6+6)x1/2	17	"			
	Medical Ward Female	2x(21+18-5/6)x6	478	"			
	Head Nurse Room	2x(10-1/6+6)x1/2	17	"			
	Medical Ward Male	2x(21+18-5/6)x6	478	"			
	Nursing Station Room	2x(10-1/6+6)x1/2	17	"			
	Emergency Room	2x(21+18-5/6)x6	478	"			
	Tea Room	2x(10+10-1/12)x1/2	21	"			
	Dress Changing Room	2x(10-1/6+16-5/6)x1/2	27	"			
	Nurse Duty Room	2x(10-1/6+16-5/6)x1/2	27	"			
	Procedure Room	2x(10-1/6+16-5/6)x1/2	27	"			
	Dengue Ward	2x(16-1/12+12)x6	337	"			
	T.B. Room	2x(15+8)x1/2	23	"			
	E.P.I Room	2x(15+8)x1/2	23	"			
	Clerk Room	2x(10-1/12+14-3/4)x1/2	25	"			
	M.S. Room	2x(15-1/2+14-3/4)x1/2	31	"			
	General Surgeon Room	2x(15-1/2+14-3/4)x1/2	31	"			
	Child Speacilist	2x(15-1/2+14-3/4)x1/2	31	"			
	Eye Speacilist	2x(16-1/4+14-3/4)x1/2	31	"			
	Emergency Room	2x(15-2/3+14-3/4)x1/2	31	"			
	O.P.D	2x(16+14-3/4)x1/2	31	"			
	Corridor	4x87-1/12x6	2090	"			
	"	2x8x6	96	"			
	Stair case portion	2x10x6	120	"			
	Corridor	2x16-1/2x6	198	"			
	"	3x19-3/8x6	349	"			
	Entrance portion	2x37-3/4x6	453	"			
	"	1x35-3/8x6	213	"			
	Corridor	2x41x6	492	"			
	"	1x6x6	48	"			
		Grand Total=	**6718**	**Sft**			
	D/d of Doors			"			
	D3	14x3-1/2x1/2	25	"			
	D4	3x3x1/2	5	"			
	D5	17x2-1/2x1/2	22	"			
	D6	11x6x1/2	33	"			
	D3	10x3-1/2x6	210	"			
	D4	3x3x6	54	"			
	D6	11x6x6	396	"			
	Main Entrance Door	1x8x6	48	"			
	W1	8x3x3	72	"			
	W2	2x3-1/2x3	21	"			
	W3	6x6x3	108	"			
	W7	8x4-1/2x3	108	"			
	W8	4x8-1/2x3	102	"			
		Total=	**1204**	**Sft**			
	Part-2			"			
	Labour Room	2x(18-1/2+18)x1/2	37				
	New Room	2x(7-1/2+8-3/4)x1/2	17				
	New Room	2x(8+12-2/3)x1/2	21	"			
	New Room	2x(21-1/6+18)x1/2	40	"			
	New Room	2x(16-11/12+10-1/12)x1/2	27	"			
	Surgeon Study Room	2x(13+10-1/12)x1/2	24	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
	Delievery Room	2x(15-5/6+18)x1/2	34	"			
	New Room	2x(17-11/12+15-11/12)x1/2	34	"			
	New Room	2x(7-1/2+11-1/3)x1/2	19	"			
	New Room	2x(7-1/2+4-1/4)x1/2	12	"			
	Medicine	2x(17-11/12+15-11/12)x1/2	34	"			
	Washing Room	2x(7-5/6+7-5/6)x1/2	16	"			
	Medicine Store	2x(19-5/6+31)x1/2	51	"			
	Dental Operation	2x(15+12)x1/2	27	"			
	Dental Surgeon	2x(11-1/2+12)x1/2	24	"			
	New Room	2x(12-5/6+12)x1/2	25	"			
	Dispensary	2x(11-5/6+9-11/12)x1/2	22	"			
	Laboratory	2x(14-11/12+12-1/12)x1/2	27	"			
	Collection Room	2x(8-11/12+12-1/12)x1/2	21	"			
	General Store	2x(8-11/12+12-1/12)x1/2	21	"			
	Duty Room	2x(11-2/3+11-1/12)x1/2	23	"			
	Gyne Ward	2x(13-11/12+11-1/12)x6	300	"			
	Dengue Ward	2x(13-11/12+11-1/12)x6	300	"			
	New Room	2x(4+6-1/4)x1/2	11	"			
	Corridor	2x26-3/4x6	321	"			
	"	2x6x6	72	"			
	"	2x12-1/3x6	148	"			
	"	1x48-1/3x6	290	"			
	"	1x6x6	36	"			
	"	1x60-1/3x6	362	"			
	"	1x21-7/12x6	166	"			
	"	1x13-3/4x6	83	"			
	"	2x6x6	72	"			
	"	2x18-1/6x6	218	"			
	"	2x16-1/8x6	194	"			
	"	2x13-1/4x6	159	"			
	"	2x(31+6)x6	444	"			
	"	1x56-5/12x6	339	"			
	"	1x54-3/4x6	329	"			
	"	2x6x6	72	"			
	"	1x35-3/8x6	213	"			
	"	1x19-5/12x6	117	"			
	Entrance	2x12-1/4x6	147	"			
		Total=	**4949**	**Sft**			
	D/d of Doors & Windows			"			
	D1	6x5x1/2	15	"			
	D2	10x4x1/2	20	"			
	D3	17x3-1/2x1/2	30	"			
	D4	5x3x1/2	8	"			
	D5	11x2-1/2x1/2	14	"			
	D1	5x5x6	150	"			
	D2	7x4x6	168	"			
	D3	15x3.5x6	315	"			
	D4	2x3x6	36	"			
	D5	2x2.5x6	30	"			
	W2	4x3.5x3	42	"			
	W3	5x6x3	90	"			
	W7	3x4.5x3	41	"			
		Total=	959	"			
	Net Total=	(6718+4949-1204-959)	9504	**Sft**			
		G.Total =	**9504**	**Sft**	**341.95**	**P.Sft**	**3249893**
4	Brushing and scraping blisters of old paints from woodwork.						
	D-1	6x2x5x7	420	Sft.			
	D-2	9x2x4x7	504	"			
	D-3	30x2x3-1/2x7	1470	"			
	D-4	8x2x3x7	336	"			
	D-5	28x2x2-1/2x7	980				
	D-6	11x2x6x7	924				
		Total =	**4634**	**Sft**	509.5	~~%Sft~~	~~23610~~

S.N	Description of Item	Qty.		Rate	Unit	Amount
11	Scraping, brushing and removing old paint from metal surface. **(External Windows)**					
	W-1 3x3x5	45	Sft.			
	W-2 26x3-1/2x5	455	"			
	W-3 14x6x5	420	"			
	W-7 18x4-1/2x5	405	"			
	V-1 25x1-1/2x2	75				
	Total =	**1400**	**Sft**	**2638.1**	**%Sft**	**28533**
12	P/F MS box section window of 16 SWG, having frames of 2" x 1-1/2", leave frame of T-type box section of 2"x1"x1", with ½"x1/2" box section using, U shaped rubber for fixing 5 mm thick glass panes i/c the cost of fixing of 24 SWG wire guaze on inner side by means of ½"x1/8" MS flat patti, MS grill fitted within the window frame and screws including hinges, brass handles and painting 3 coats. Complete in all respect. **(For damaged External Windows only)**					
	W-1 1x3x5	15	Sft.			
	W-2 4x3-1/2x5	70	"			
	W-3 3x6x5	90	"			
	W-7 5x4-1/2x5	113	"			
	V-1 20x1-1/2x2	60				
	Total =	**348**	**Sft**	**1315.6**	**P.Sft**	**457829**
13	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. **(For Internal Windows)**					
	W-1 9x3x5	135	Sft.			
	W-2 9x3-1/2x5	158	"			
	W-3 10x6x5	300	"			
	Ven. 15x6x2	180	"			
	W-7 6x4-1/2x5	135	"			
	W-8 4x8-1/2x5	170	"			
	Total =	**1078**	**Sft**	**1353.75**	**P.Sft**	**1459343**
14	Providing and fixing M.S. safety 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. **with 3/8" Squar Bars (For Internal Windows)**					
	W-1 9x3x5	135	Sft.			
	W-2 9x3-1/2x5	158	"			
	W-3 10x6x5	300	"			
	Ven. 15x6x2	180	"			
	W-7 6x4-1/2x5	135	"			
	W-8 4x8-1/2x5	170	"			
	Total =	**1078**	**Sft**	**863.3**	**P.Sft**	**930637**
15	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"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge complete in all respect.**(For Internal Windows)**					
	W-1 9x3x5	135	Sft.			
	W-2 9x3-1/2x5	158	"			
	W-3 10x6x5	300	"			
	Ven. 15x6x2	180	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
	W-7	6x4-1/2x5	135	"			
	W-8	4x8-1/2x5	170	"			
		Total =	~~1078~~ 539	Sft	494.5	P.Sft	~~533071~~ 266535
16	Rubbing and polishing old marble floor, including repairing voids, uneven surface, complete in all respects. **(In Corridors, Lobbies, Waiting Areas)**						
	Part-1						
	Corridor	2x87-1/12x8	1394	"			
	"	1x43-7/12x4-5/6	211	"			
	Open Area	1x26x12	312	"			
	Corridor	1x96-1/3x8	771	"			
		2x16-1/2x8	264	"			
	Entrance	1x20-3/4x35-3/8	735	"			
	Part-2			"			
	O.T. Corridor	1x26-3/4x6	161	"			
	Corridor	1x87-5/6x6	527	"			
	"	1x47-5/12x6	285	"			
	"	1x31x6	186	"			
	"	1x97x6	582	"			
	Entrance	1x20x11-1/4	225	"			
		Total =	**5653**	**Sft**	**2,868.55**	**%.Sft**	**162159**
17	Cleaning and washing mosaic or marble floor with caustic soda mixture.						
	Take same Qty of above item #16	**Total =**	~~5653~~	~~Sft~~	~~459.3~~	~~%.Sft~~	~~25964~~
18	S/E of SMD ceiling light 2'x2' and making connection etc complete as approved by E.I						
			95				
		Total =	**95**	**No.**	**9000**	**Each**	**855000**
19	S/E of SMD spot light 7Watt and making connection etc complete as approved by E.I						
			185				
		Total =	**185**	**No.**	**350**	**Each**	**64750**
20	P/L superb quality Porcelain matt 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. **(in all Toilets)** **Full Body Matt tiles. 400mm x 400 mm**						
	Part-1						
	w/ Male, Female ward	2x10-1/6x12-1/12	246	Sft			
	W.C	6x3-1/6x5	95	"			
	w/Emergency room	1x10-1/6x12-1/12	123	"			
	W.C	3x3-1/6x5	48	"			
	w/ Dress changing	1x10x6	60	"			
	w/ Dengue Ward	1x5x4	20	"			
	General Toilet	1x10-1/6x9-3/8	96	"			
	W.C	3x3-1/6x5	48	"			
	w/ M.S. Room	1x5x6	30	"			
	w/ General Surgeon	1x5x6	30	"			
	w/ Child Specialist	1x5x6	30	"			
	w/Eye Specialist	1x5x6	30	"			
	w/Emergency room	1x4x6	24	"			
	Part-2			"			
	w/O.T.	1x7-1/2x8-1/2	64	"			
	w/New Room	1x8x4-7/12	37	"			
	"	1x6-1/3x7-1/6	46	"			
	w/Delievery room	1x6-1/3x7-1/6	46	"			
	General Toilet	1x13-11/12x11-1/2	161	"			
	"	2x4x4	32	"			
	"	1x4-1/2x4	18	"			
	w/Gyne Ward	1x5x4	20	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
	w/Dengue ward	1x4-1/2x4	18	"			
	w/ Mortuary	3x4x5	60	"			
		G.Total=	1382	Sft	267.65	P.Sft	369893
21	P/L superb quality Porcelain Matt tiles of Master brand, skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2"thick (1:2) cement plaster i/c the cost of and sealer forfinishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **(in all Toilets) Full Body Matt tiles. 400mm x 400 mm**						
	Part-1						
	w/ Male, Female ward	4x(10-1/6+12-1/12)x7	623	Sft			
	W.C	12x(3-1/6+5)x7	686	"			
	w/Emergency room	2x(10-1/6+12-1/12)x7	312	"			
	W.C	6x(3-1/6+5)x7	343	"			
	w/ Dress changing	2x(10+6)x7	224	"			
	w/ Dengue Ward	2x(5+4)x7	126	"			
	General Toilet	2x(10-1/6+9-3/8)x7	274	"			
	W.C	6x(3-1/6+5)x7	343	"			
	w/ M.S. Room	2x(5+6)x7	154	"			
	w/ General Surgeon	2x(5+6)x7	154	"			
	w/ Child Specialist	2x(5+6)x7	154	"			
	w/Eye Specialist	2x(5+6)x7	154	"			
	w/Emergency room	2x(4+6)x7	140	"			
	Part-2			"			
	w/O.T.	2x(7-1/2+8-1/2)x7	224	"			
	w/New Room	2x(8+4-7/12)x7	177	"			
	"	2x(6-1/3+7-1/6)x7	189	"			
	w/Delievery room	2x(6-1/3+7-1/6)x7	189	"			
	General Toilet	2x(13-11/12x11-1/2)x7	356	"			
		2x(7-5/12+5-1/3)x7	179	"			
	"	2x(4+4)x7	112	"			
	"	2x(4-1/2+4)x7	119	"			
	w/Gyne Ward	2x(5+4)x7	126	"			
	w/Dengue ward	2x(4-1/2+4)x7	119	"			
	w/ Mortuary	6x(4+5)x7	378	"			
		Grand Total=	5855	Sft			
	D/d of Doors						
	D3	4x3-1/2x7	98				
	D4	2x3x7	42				
	D5	32x2-1/2x7	560				
		Total=	700	Sft			
		Net Total=(5855-700)	**5155**	**Sft**	282.15	P.Sft	1454483.25
22	Distempering 01-coat on old surface.						
	Part-1						
	Child Ward	1x21x18	378	Sft			
	Store	1x10-1/6x6	61	"			
	M.F/M Ward	2x21x18-5/6	791	"			
	H.Nurse	1x10-1/6x6	61	"			
	N.S	1x10-1/6x6	61	"			
	Emerg. R	1x21x18	378	"			
	T.B/EPI R	2x15x8	240	"			
	Dangue W	1x16-1/12x12	193	"			
	P.N.D Room	3x10-1/6x16-5/6	513	"			
	Tea Room	1x10x10-1/12	101	"			
	Clerk Room	1x10-1/12x14-3/4	155	"			
	MS Room	1x15-1/2x14-3/4	229	"			
	G.Surgen	1x15-1/2x14-3/4	229	"			
	Chid Spe.	1x15-1/2x14-3/4	229	"			
	Eye Spe.	1x16-1/3x14-3/4	241	"			
	Emerg. R	1x18-2/3x14-3/4	275	"			
	OPD	1x16x14-3/4	236	"			
	Main Ent.	1x20-3/4x36-3/4	763	"			
	Cord.	1x15-1/2x14-3/4	229	"			
		2x113-3/8x8-1/2	1927	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
		1x19-3/8x10	194	"			
		1x42-7/8x10	429	"			
	Toilet	1x2x6x5	60	"			
	Toilet	1x2x10x6	120	"			
	Lav.	1x2x10-1/6x14-3/4	300	"			
		3x2x3-1/6x5	95	"			
	Stair Case	1x2x10x20	400	"			
	Toilet	4x2x5x6	240	"			
	Toilet	1x2x4x6	48	"			
	Part-2						
	N.Room	1x7-1/2x8-3/4	66	"			
		1x18-1/2x18	333	"			
	N.Room	1x8x12-2/3	101	"			
		1x21-1/6x18	381	"			
	N.Room	1x16-11/12x10-1/12	171	"			
	Srg Study	1x13x10-1/12	131	"			
	Medicin	1x17-11/12x15-11/12	285	"			
	N.Room	1x7-1/2x11-7/24	56	"			
	N.Room	1x17-11/12x15-11/12	285	"			
	N.Room	1x18-1/2x15-11/12	294	"			
		1x7-1/2x7-1/2	56	"			
		1x7-1/2x7-2/3	57	"			
	Medicine St	1x19-5/6x31	615	"			
	D.Operation	1x15x12	180	"			
	D.Surgn	1x11-1/2x12	138	"			
	N.Room	1x12-5/6x12	154	"			
	Dispnsry	1x11-5/6x9-11/12	117	"			
	Duty Room	1x11-2/3x11-1/2	134	"			
	Gyen Ward	1x12-11/12x11-1/12	143	"			
	Lab	1x14-11/12x12-1/12	180	"			
	Collect R	1x8-11/12x12-1/12	108	"			
	G.Store	1x8-11/12x12-1/12	108	"			
	Gangu W	1x13-11/12x11-1/12	154	"			
	Main Ent.	1x12-1/4x22-5/6	280	"			
	Cord.	1x102-5/8x6	616	"			
		1x13-1/8x6	79	"			
		1x31x6	186	"			
		1x35-1/4x6	212	"			
		1x13-3/4x6	83	"			
		1x7-5/6x14-1/2	114	"			
		1x66x6	396	"			
		1x14-1/3x6	86	"			
		1x42-1/8x6	253	"			
		1x26-3/4x6	161	"			
	Mortuary	2x12x9	216	"			
	"	1x5x9	45	"			
	"	1x4-1/4x9	38	"			
	Toilet	1x2x7-1/2x8-1/2	128	"			
	Toilet	1x2x8x4-7/12	73	"			
	Toilet	1x2x6-1/4x7-1/6	90	"			
	Toilet	1x2x7-1/2x4-1/4	64	"			
	Lav.	1x2x13-11/12x15-11/12	443	"			
		2x2x4x4	64	"			
		1x2x4x4-1/2	36	"			
		1x2x7-5/12x5-1/4	78	"			
	Toilet	1x2x4x6-5/24	50	"			
		1x2x4x4-1/2	36	"			
		Total =	**17244**	**Sft**	**568.1**	**P.Sft**	**97966**
23	Preparing surface and painting with emulsion paint. **02-coats** on old surface.						
	Part-1						
	Child Ward	1x2x(21+18)x12	936	Sft			
	Store	1x2x(10-1/6+6)x12	388	"			
	M.F/M Ward	2x2x(21+18-5/6)x12	956	"			
	H.Nurse	1x2x(10-1/6+6)x12	388	"			
	N.S	1x2x(10-1/6+6)x12	388	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
	Emerg. R	1x2x(21+18)x12	936	"			
	T.B/EPI R	2x2x(15+8)x12	1104	"			
	Dangue W	1x2x(16-1/12+12)x12	674	"			
	P.N.D Room	3x2x(10-1/6+16-5/6)x12	1944	"			
	Tea Room	1x2x(10+10-1/12)x12	482	"			
	Clerk Room	1x2x(10-1/12+14-3/4)x12	596	"			
	MS Room	1x2x(15-1/2+14-3/4)x12	726	"			
	G.Surgen	1x2x(15-1/2+14-3/4)x12	726	"			
	Chid Spe.	1x2x(15-1/2+14-3/4)x12	726	"			
	Eye Spe.	1x2x(16-1/3+14-3/4)x12	746	"			
	Emerg. R	1x2x(18-2/3+14-3/4)x12	802	"			
	OPD	1x2x(16+14-3/4)x12	738	"			
	Toilet	1x2x(5+6)x5	110	Sft.			
	Toilet	1x2x(10+6)x5	160	"			
	Lav.	1x2x(10-1/6+14-3/4)x11-1/2	573	"			
		3x2x(3-1/6+5)x5	245	"			
	Stair Case	1x2x(10+20)x22	690	"			
	Toilet	4x2x(5+6)x5	440	"			
	Toilet	1x2x(4+6)x5	110	"			
	Main Ent.	1x2x(20-3/4+36-3/4)x8	1323	"			
	Cord.	1x2x(15-1/2+14-3/4)x11-1/2	696	"			
		2x2x113-3/8x8	3628	"			
		1x2x19-3/8x8	310	"			
		1x2x42-7/8x8	686	"			
	Part-2						
	N.Room	1x2x(7-1/2+8-3/4)x12	390	"			
		1x2x(18-1/2+18)x12	876	"			
	N.Room	1x2x(8+12-2/3)x12	496	"			
		1x2x(21-1/6+18)x12	940	"			
	N.Room	1x2x(16-11/12+10-1/12)x12	648	"			
	Srg Study	1x2x(13+10-1/12)x9-1/2	554	"			
	Medicin	1x2x(17-11/12+15-11/12)x12	812	"			
	N.Room	1x2x(7-1/2+11-1/3)x12	452	"			
	N.Room	1x2x(17-11/12+15-11/12)x12	812	"			
	N.Room	1x2x(18-1/2+15-11/12)x12	826	"			
		1x2x(7-1/2+7-1/2)x12	360	"			
		1x2x(7-1/2+7-2/3)x12	364	"			
	Medicin St	1x2x(19-5/6+31)x12	1220	"			
	D.Operation	1x2x(15+12)x12	648	"			
	D.Surgn	1x2x(11-1/2+12)x12	564	"			
	N.Room	1x2x(12-5/6+12)x12	596	"			
	Dispnsry	1x2x(11-5/6+9-11/12)x12	522	"			
	Duty Room	1x2x(11-2/3+11-1/2)x12	518	"			
	Gyen Ward	1x2x(12-11/12+11-1/12)x12	578	"			
	Lab	1x2x(14-11/12+12-1/12)x12	648	"			
	Collect R	1x2x(8-11/12+12-1/12)x12	504	"			
	G.Store	1x2x(8-11/12+12-1/12)x12	504	"			
	Gangu W	1x2x(13-11/12+11-1/12)x12	600	"			
	Toilet	1x2x(7-1/2+8-1/2)x5	160	Sft			
	Toilet	1x2x(8+4-7/12)x5	125	"			
	Toilet	1x2x(6-1/4+7-1/6)x5	134	"			
	Toilet	1x2x(7-1/2+4-1/4)x5	118	"			
	Lav.	1x2x(13-11/12+15-11/12)x5	298	"			
		2x2x(4+4)x5	160	"			
		1x2x(4+4-1/2)x5	85	"			
		1x2x(7-5/12-5-1/4)x5	127	"			
	Toilet	1x2x(4+6-5/24)x5	102	"			
		1x2x(4+4-1/2)x5	85	"			
	Main Ent.	1x2x12-1/4	25	"			
	Cord.	1x2x(102-5/8+6)x8	1706	"			
		2x13-1/8x8	210	"			
		1x2x(31+6)x8	592	"			
		2x35-1/4x8	564	"			
		1x2x(13-3/4+6)x8	316	"			
		1x2x(7-5/6+14-1/2)x8	357	"			
		1x2x(66+6)x8	1152	"			
		2x14-1/3x8	229	"			

S.N	Description of Item		Qty.		Rate	Unit	Amount
		1x2x(42-1/8+6)x8	770	"			
		1x2x(26-3/4+6)x8	524	"			
		Total =	44497	Sft			
a	02-coats with scrappring Take 60 % of item		26698	Sft	2829.95	P.Sft	755548
b	01-coat without scrapping Take 40 % of item		17799	Sft	1,169.20	P.Sft	208104
24	Cement pointing 1:2 flush on floor i/c raking and washing joints of brick masonry (old work).						
	Part-1						
		1x135x76-1/2	10328	Sft			
		1x40-1/4x4	161	"			
		1x25-1/2x7-1/6	183	"			
	Part-2	1x72-1/2x8	580	"			
		1x31-1/2x8-1/2	268	"			
		1x47-1/2x114-5/6	5454	"			
		1x12x11	132	"			
		1x138-1/3x37-1/2	5187	"			
		Total =	22293	Sft	2687.05	%.Sft	599011
25	Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in-situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4) **(R.C.C Counter Shelves)**						
	nursing counters	6x6x(2-1/2+1-1/2+1-1/4)x1/4	47				
	vanities	6x6x3x1/4	27				
	entrance counter	1x19x(2-1/2+1-1/2+1-1/4)x1/4	25				
		Total =	99	Cft	556.05	P.Cft	55153
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 (also includes removal of rust from bars):-**Deformed bars (Grade-40)**						
	for slabs	99x6.75x0.454	304				
		Total =	304	kg	31,425.00	P%kg	95519
27	Providing and laying Prepolished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick(1:2) cement sand mortor bed, complete in all respect as approved and directed by the Engineer Incharge. **3/4" thick Granite**						
	entrance counter	1x19x(2-1/2+2)	86				
		Total =	86	Sft	1,310.70	P.Sft	112065
28	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. **(3/4" thick China Verona Marble)**						
	Kitchen Shelf	2x10x2	40				
	Sitting Area	10x5x2	100				
	Vanities	6x6x3	108				
	nursing counter	6x6x(2+1-1/2)	126				
		Total =	374	Sft	413.75	P.Sft	154743
29	Extra cost for making hole in Marble slab for fixtures, Sink,burners, basin Vanities i/c cost of bevelling of internal edge as approved and directed by the Engineer Incharge.						
		7x2	14				
		Total =	14	No.	711.6	Each	9962

S.N	Description of Item		Qty.		Rate	Unit	Amount
30	Pacca brickwork 1:6 cement sand mortar in ground floor.						
	DMS Room (Partition)	1x2x12x3/4x12	216				
	vanities	6x2x2-1/2x3/8x2-3/4	30.9375				
	nursing counters	12x2x(6+2-1/2)x3/8x2-1/2	191.25				
		Total =	**438**	**CFT**	**33,373.80**	**% Cft**	**146240**
31	P/L 1/2" thick cement sand plaster in 1:5 ratio upto 20' height.						
	DMS Room (Partition)	2x2x12x3/4x12	576				
	vanities	12x2x2-1/2x3/8x2-3/4	165				
	nursing counters	24x2x(6+2-1/2)x3/8x2-1/2	1020				
		Total =	**1761**	**SFT**	**3,140.70**	**% Sft**	**55308**
32	P/L 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. **For Ramps.** **(Non-Skid Chequred Tiles) 300mmx300mm**						
	O.T Ramp	1x18x6	108				
	"	1x16x6	96				
		Total =	**204**	**Sft**	**213**	**P.Sft**	**43452**
33	Cement plaster 1:3 upto 20' (6.00 m) height ½" (13 mm) thick i/c Applying floating coat of cement 1/32" (0.8 mm) thick. **(for X-ray room)**						
	X-Ray Room	1x2x(19-1/4+11-1/12)x11-1/2	698	Sft			
	Film Store	1x2x(7-5/6+5-5/6)x11-1/2	315	"			
	Dark Room	1x2x(7-5/6+4-1/2)x11-1/2	284	"			
		Total=	**1297**	**Sft**	**5345**	**% Sft**	**69306**
34	Providing and fixing 1.5 mm to 2 mm thick lead sheet on wall in X-Ray room with nails covering nail heads with lead, etc., including cost of labour, material, carriage,etc., complete in all resp[ect as approved by the Engneer incharge. **N.S (for X-ray room)**						
	X-Ray Room	1x2x(19-1/4+11-1/12)x11-1/2	698	Sft			
	Film Store	1x2x(7-5/6+5-5/6)x11-1/2	315	"			
	Dark Room	1x2x(7-5/6+4-1/2)x11-1/2	284	"			
		Total=	**1297**	**Sft**	~~1150~~ 958/-	P.Sft	~~1491158~~ 1232250
35	P/F imported Anti static floor sheet poly floor colour chemical resistant ESD, silver/gray 2mm thick UK i/c griding, preparation of floor surface by laying epoxy damp proof i/c all labour camping stip carraige complete as approved by the Engineer Incharge.N.S **(for O.Ts)**						
	Operation Theatre	1x13-3/4x15-11/12	219	Sft			
	Dental Operation	1x15x12	180	"			
	Gyne Operation Theatre	1x18-1/2x15-11/12	295	"			
	"	2x7-1/2x7-1/2	113	"			
	Door Sill D1	1x4x1- 1/8	4.5	"			
	D2	2x4x1- 1/8	9	"			
	D3	4x3 -1/2x1- 1/9	15.75	"			
		Total =	**836**	**Sft**	**2080**	**P.sft**	**1739400**
36	P/F anti microbial wall panelling i/c all labour camping stip carraige complete as approved by the Engineer Incharge.N.S **(for O.Ts)**						
	Operation Theatre	2x(13-3/4+15-11/12)x12	712	Sft			
	Dental Operation	2x(15+12)12	648	"			
	Gyne Operation Theatre	2x(18-1/2x15-11/12)x12	826	"			
	"	4x(7-1/2+7-1/2)x12	720	"			
		Total=	**2906**				
	D/d for Doors & Windows						
	D1	1x5x7	35				
	D2	2x4x7	56				
	D3	3x3-1/2x7	74				

S.N	Description of Item		Qty.		Rate	Unit	Amount
	W2	3x3-1/2x5	53				
	W3	3x6x5	90				
		Total=	**308**				
		Total =	**2598**	**Sft**	**650**	**P.sft**	**1688700**
37	**Non-porous false ceiling**	Supply and installation of Clip-in tile of specified thickness non-porous Alumnium 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.					
	OTS)						
	Operation Theatre	1x13-3/4x15-11/12	219	"			
	Dental Operation	1x15x12	180	"			
	Gyne Operation Theater	1x18-1/2x15-11/12	295	"			
	"	2x7-1/2x7-1/2	113	"			
		Total =	**807**	**Sft**	~~420~~ 400	**P.sft**	~~338940~~ 322800
38	P/A Weather shield paint of approved quality exterior of building i/c preparation of surface application of primer one coats on old surface.						
	Open Space	1x2x(26+12)x14	1064	Sft			
	Garages	1x2x(56-7/8+29-1/2)x14	2419	"			
	Mortuary	1x2x(23-3/8x20-1/4)x14	1222	"			
	Pump Room	1x2x(16-1/2+16-1/2)x12	792	"			
	O.H.R	1x2x(12-1/2+12-1/2)x60	3000	"			
	B.Wall	1x2x(22+14-1/2)x6	438	"			
	N/S	1x2x(16-1/4+253-5/6+7)x6	3325	"			
	E/S	1x2x235-5/6x10	4717	"			
	S/S	1x2x(63-1/4+120)x10	3665	"			
	W/S	1x2x255-1/2x8	4088	"			
	G.Pill	2x3x2x(3+3)x10	1080	"			
	D/L openings	1x3x2x(2+2)x6	144	"			428736
		Total =	**25953**	**Sft**	**1,943.50**	**% Sft**	~~504590~~
39	Providing and fixing S.S. angle iron edge protector Patti ~~(1½"x1½"x¼")~~ on corner & edges of wall/ Dado tiles complete in all respects as approved by Engineer Incharge **(N.S)**		910	3893	22060		
			2670				
		Total =	**2670**	**Rft**	**150**	**P. Rft**	**400500**
40	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- **On exterior surface (with mastic strip)**						
			250				
		Total =	**250**	**Rft**	**156.8**	**P. Rft**	**39200**
41	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc., complete in all respects. 2' deep,with back						
	Kitchen	2x10x2-1/2	50	Sft.			
	"	2x10x2	40	Sft.			
	Dental Operation	2x(15+12)x2-1/2	135	Sft.			
		Total=	**225**	**Sft**	**1,276.90**	**P.Sft**	**287303**

S.N	Description of Item	Qty.		Rate	Unit	Amount
42	Providing and fixing 24" Deep Box type Wardrobe consisting of 3/4" thick UV coated MDF board(Medium density Fiber board) Sheet both side glazed shutters and box comprising of 3/4" thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters / panels / drawers etc., with machine i/c the cost of self closing box type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge					
	D.Operation 2x4x8	64	Sft.			
	Loundary 2x6x8	96	Sft.			
	Total=	**160**	**Sft**	**1,250.10**	**P.Sft**	**200016**
43	Providing and fixing auotomatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.					
		25				
	Total =	**25**	**No**	**2650.8**	**P.Each**	**66270**
					G.Total=	~~23962594~~ 21239118

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

Executive Engineer
Buildings Division,
Sialkot.

COST OF OLD MATERIAL

S.No	Description of Item	Qty.		Rate	Unit	Amount
1-	Solid flush door (Partly Damaged)					
		94 5		4000/- 1400		376000 7000
		Total= 5	Nos		P.No	
2	MS Windows (Partly Damaged)					
		130 163		3000 1600		390000 260800
		Total= 163	Nos		P.No	
3	Recovery of Old Tuff Tiles					
	Take Qty of itmen No.6	5589				
		Total= 5589	Sft	30	P.Sft	167670
4-	Recovery of Old Bricks					
	Take 60% Qty of item No.7					
869	~~666~~x13.50x60%	7039 5395				45755 35068
		Total= 5395	Nos	6500	%0No	
i	Recovery of Old Bricks bats.					
	Take 40% Qty of item No.7					
869	666x40%	348 266				12180 9310
		Total= 266	Cft	3500	%.Cft	
5	Recovery of rusted MS unserviceable					
	Take same Qty of item No.8					
131	~~60~~x2.50x.4536 / 4	238 75				19040 6000
		Total= 75	kg	80	P.Kg	
					Total =	485848
					Say Rs =	485848 1010644

Sub Engineer

(SUB DIVISIONAL OFFICER)
Buildings Sub Division,
SAMBRIAL.

13/08/11

(EXECUTIVE ENGINEER
Building Division
SIALKOT.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

DETAIL OF EXTERNAL PLATFORM / PATH WAYS (TUFF PAVER)

1	Excavation in foundation of buildings, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30m) and lift upto 5 ft (1.5 m) in ordinary soil.						
	1x24-1/4x2-1/2x2	121					
	1x17x2-1/2x2	85					
	Total=	**206**	**Cft**	**10712.60**	**% 0 Cft**		**2207**
2	Cement concrete 1:6:18 using brick or stone ballast 1-1/2" to 2" gauge in foundation & plinth.						
	1x24-1/4x2-1/2x1/2	30					
	1x17x2-1/2x1/2	21					
	Total=	**51**	**Cft**	**19801.40**	**% Cft**		**10099**
3	Pacca brick work with cement sand mortar 1:6 F&P.						
	1x24-1/4x1-1/8x1/4	7	Cft				
	1x24-1/4x3/4x2	36	"				
	1x17x1-1/8x1/4	5	"				
	1x17x3/4x2	26	"				
	Total=	**74**	**Cft**	**31158.85**	**% Cft**		**23058**
4	Earthowrk in ordinary soil for embankments including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects i) 95% to 100% maximum modified AASHO dry density.						
Back side of P-1	1x75-1/4x33-1/4x1	2502	"				
"	1x128x11x1	1408	"				
"	1x63x34-1/2x1	2174					
	1x10x10x4x1	400					
	~~Total=~~	~~6484~~	~~Cft~~	~~9,552.55~~	~~% 0 Cft~~		~~61939~~
5	Cement concrete (1:6:18) using brick or stone ballast 1-1/2" to 2" gauge in f & P.						
Side of New/B	1x136x24-1/4x1/2	1649	Cft				
Front Of Mortuary	1x(24-1/4+36-1/2)/2x36x1/2	1094	"				
Front of New Block	1x32-3/4x24-1/4x1/2	397	"				
"	1x101x27-1/4x1/2	1376	"				
Front of Old Block	1x125x29x1/2	1813	"				
Main Ent	1x(23+17)/2x(7+16-1/2)/2x1/2	118	"				
Side	1x165x4x1/2	330					
OWT Side	1x20x7-3/4x1/2	78					
	Total=	**6855**	**Cft**	**19801.40**	**% Cft**		**1357386**

6	P/L PAVERS 60-mm THICK WITH 7000 PSI, CRUSHING STRENGTH MANUFACTURED BY TUFF TILE / CONCRETE CONCEPT PVT, LTD TEXLA, OVER 2" TO 3" SAND CUSHION I/C GROUTING WITH SAND IN JOINTS I/C FINISHING TO REQUIRED SLOP COMPLETE IN ALL RESPECT. (Relay F Only).		
Side of New/B	1x136x24-1/4	3298	
Front Of Mortuary	1x(24-1/4+36-1/2)/2x36	1094	
Front of New Block	1x32-3/4x24-1/4	794	
"	1x101x27-1/4	275	
Front of Old Block	1x125x29	3625	
Main Ent	1x(23+17)/2x(7+16-1/2)/2	235	
Side	1x165x4	660	
OWT Side	1x20x7-3/4	155	
Total=		**10136** Sft 158.05	P.Sft 1601994.8

24-80

251373

~~3056683~~

~~Rate Per Sft = 3056683 = 301.5669~~
~~10136~~

1644122

say ~~302~~

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division,
SAMBRIAL.

13.8.11

EXECUTIVE ENGINEER
Buildings Division,
SIALKOT.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

EXTERNAL WATER SUPPLY

S.No	Description of Item	Qty.		Rate	Unit	Amount
1-	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.					
	For 4" dia Pipe					
	1 x 239 x 2-1/2 x 2-1/2	1494	Cft			
	3 x 199 x 2-1/2 x 2-1/2	3731	"			
	1(167 + 60) x 2-1/2 x 2-1/2	1231	"			
	Total=	6456	Cft	7,647.00	%0 Cft	49371
2-	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. PN-16 HDPE **Medium Quality**					
i	4" i/d (100 mm) 4.5mm thick					
	(239 + 597 +197 + 400)	1433	Rft	525.85		752397 —
	Total=	1433	Rft	~~1,565.25~~	P.Rft	~~2243003~~
ii	3" i/d (75 mm) 4.05mm thick					
	1(550)	550	Rft	349.80		192390 —
	Total=	550	Rft	~~1,084.40~~	P.Rft	~~596420~~
iii	3" i/d (50 mm) 3.65mm thick					
	1(350)	350	Rft	349.80		122430 —
	Total=	350	Rft	~~845.35~~	P.Rft	~~295873~~
iv	1½" i/d ~~(40 mm)~~ 3.25mm thick					
	1(400)	400	Rft			
	Total=	400	Rft	469.95	P.Rft	187980
3-	Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel.					
	Qty as per item # 1	6456	Cft			
	Total=	6456	Cft	2,547.60	%0 Cft	16448
4-	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge.					
i	2" i/d					
	1x10	10	Nos			
	Total=	10	Nos	2,563.20	Each	25632
ii	1½" i/d					
	1x20	20	Nos			
	Total=	20	Nos	2,143.20	Each	42864

S.No	Description of Item	Qty.		Rate	Unit	Amount
4-	Providing and fixing gun metal peet/gate valve (screwed):-					
i	4" i/d					
	1x8	8	Nos			
	Total=	8	Nos	35,000.00	Each	280000
ii	3" i/d					
	1x8	8	Nos			
	Total=	8	Nos	22,885.80	Each	183086
5-	Wrapping of bitumen tape 4" wide protect the soil chemical best quality i/c all labour charges & allied material as approved by the Engineer Incharge.					
i	4" i/d					42990
	Qty as per item # 2-i	1433	Rft	30		
	Total=	1433	Rft	~~45.00~~	P.Rft	~~64485~~
ii	3" i/d					13750
	Qty as per item # 2-ii	550	Rft	25		
	Total=	550	Rft	~~40.00~~	P.Rft	~~22000~~
iii	2" i/d					~~7000~~
	Qty as per item # 2-iii	350	Rft	20		
	Total=	350	Rft	~~35.00~~	P.Rft	12250
iv	1½" i/d					4000
	Qty as per item # 2-iv	400	Rft	10		
	Total=	400	Rft	~~25.00~~	P.Rft	~~10000~~
					G.Total=	~~4029412~~
					Say Rs.	1664118 ~~4029412~~

~~2988417~~/2

Sub Engineer

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

Executive Engineer
Buildings Division,
Sialkot.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

ABSTRACT OF COST (External Sewerage upliftting)

S.No.	Description.	Qty	Unit	Rate	Amount.
1	Uplifting of Sewer Line.	1	P.Job	1866663	1866663
2	Construction of Manholes **(Anaylsis Attached)**	33	P.Each	65764	2170222
3	Construction of Septic Tank **(Anaylsis Attached)**	5	P.Each	260077	1300383
	Total				**5337268**

Sub

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

Sub Engineer

Executive Engineer
Buildings Division,
Sialkot.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

Not Raising Uplifting of Sewerline

S.No	Description of Item	Qty.	Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-				
i	0 ft. to 7.0 ft. (0 to 2.10 m) depth				
	" 1x 150 x 3 x 3	1350 Cft			
	" 1 x 547 x 3 x 3	4923 "			
	" 1x881 x 3 x 3	7929 "			
	Total=	14202 Cft	11,770.45	%0 Cft	167164
2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50) mm) gauge.				
	" 1x 150 x 1-1/2 x 1/2	113 Cft			
	" 1 x 547 x 2 x 1/2	547 "			
	" 1x881 x 2-1/2 x 1/2	1101 "			
	Total=	1761 Cft	9,035.40	%Cft	159113
3	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.				
i	225 mm (9:) i/d				
	(6x10)+36-1/2+16-1/2+5+(3x8)+(4x5)	150 Rft			
	Total=	150 Rft	529.90	P.Rft	79485
4	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II. Wall B, including carriageof pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.				
ii	310 mm (12") i/d				
	55+35+31+41+47+29+73+30+28+65+4 0+16-1/2+28+31+17	547 Rft			
	Total=	547 Rft	697.25	P.Rft	381396
iii	460 mm (18") i/d				
	46+36+29+115+51+25+14+(3x20)+70+ 55+53+50+27+(4x50)	881 Rft			
	Total=	881 Rft	1,184.25	P.Rft	1043324
4	Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel.				
	Qty as per item # 1	14202 Cft			
	Total=	14202 Cft	2,547.60	%0 Cft	36181
			G.Total=		1866663
			Say Rs.		1866663

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division ,
Sambrial.

EXECUTIVE ENGINEER
Buildings Division ,
SIALKOT.

ANALYSIS OF MANHOLE 31/2'X4' SIZE.

S.No.	Description of Item	Qty.	Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings excluding shuttering and timbering, dressing to correct section and dimensions accordiong to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock. From 0' to 7' depth.				
	1x7-1/2'x8'x5'	**300 Cft**	**11770.45**	**%0Cft**	**3531**
2-	P/L cement concrete 1:6:18 using brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth.				
	1x7-1/2'x8'x1/2'	**30 Cft**	**19,801.40**	**%Cft**	**5940**
3-	Pacca brick work in cement sand mortar 1:4 other than building.				
	Horizontal Walls				
	2x6-1/2'x1-1/2'x1/4'	4.88 Cft			
	2x5-3/4'x1-1/8'x1/4'	3.23 Cft			
	2x5'x3/4'x5'	37.5 Cft			
	Vertical wall				
	2x4'x1-1/2'x1/4'	3 Cft			
	2x4'x1-1/8'x1/4'	2.25 Cft			
	2x4'x3/4'x5'	30 Cft			
	Total =	**80.86 Cft**	**33941.90**	**%Cft**	**27445**
4-	P/L P.C.C. 1:2:4 for benching i/c placing compacting, finishing and curing complete (including screening and washing of stone aggregate).				
	1x3-1/2'x4'x1/3'	**4.66 Cft**	**38271.80**	**%Cft**	**1783**
5-	1/2" thick cement plaster 1:3 up to 20' height i/c floating coat of cement 1/32" thick.				
	inside				
	2(3-1/2'+4')x5'	75 Sft			
	Out side				
	2(5'+5-1/2')1/2'	10.5 Sft			
	Total =	**85.5 Sft**	**5345**	**%Sft**	**4570**
6-	Making and finishing benching floor work in manhole chamber with 1/8" thick cement finish.				
	1x3-1/2'x4'	**14 Sft**	**2,976.75**	**%Sft**	**417**
7-	RCC 1:2:4 in roof slab, beam, columns, lintels, girders and other structural members laid in situ or precast laid in position or prestressed members cast in situ complete in all respect.				
	1x5'x5-1/2'x1/3'	9.16 Cft			
	D/d of manhole cover				
	1x(22/7x1-5/6'x1-5/6')/4x1/3'	0.88 Cft			
	Net Total = 9.16 - 0.88 =	**8.28 Cft**	**556.05**	**P.Cft**	**4604**

S.No.	Description of Item	Qty.	Rate	Unit	Amount
8-	Fabrication of mild steel reinforcement for cement concrete using deformed bars i/c cutting, bending binding, laying in position, making joints and fastening, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
	8.28x5x0.454	18.8 Kg	31425.00	%Kg	5908
9-	P/F 3" thick RCC manhole cover with tee shaped C.I.frame of 20" clear i/d (frame weighing 37.324 k.g. or one maund as per standard drawing STD/PD No.5 of 1977; complete in all respect.	1 Set	11565.15	P.Set	11565
				Total =	**65764**
				SAY Rs =	**65764**

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division ,
Sambrial.

EXECUTIVE ENGINEER
Buildings Division ,
SIALKOT.

ANALYSIS OF RATE FOR THE CONSTRUCTION OF SEPTIC TANK.

12'x6' SIZE

S.No.	Description of Item	Qty.	Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings excluding shuttering and timbering, dressing to correct section and dimensions accordiong to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock.				
	From 0' to 7' depth. 1x16-1/2x10-1/2x4	**693.00 Cft**	**11770.45**	**%0Cft**	**8157**
2-	P/L cement concrete 1:6:18 using brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth. 1x16-1/2x10-1/2x1/2	**87 Cft**	**19,801.40**	**%Cft**	**17227**
3-	Pacca brick work in cement sand mortar 1:4 other than building.				
	Long walls				
	2x15-3/4x1-7/8x1/4	15 Cft			
	2x15x1-1/2x1/4	11 Cft			
	2x14-1/4x1-1/8x5	160 Cft			
	Short walls				
	2x6x1-7/8x1/4	6 Cft			
	2x6x1-1/2x1/4	5 Cft			
	2x6x1-1/8x5	68 Cft			
	Baffle walls				
	2x6x3/4x3-1/2	32 Cft			
	Total =	**297 Cft**	**33941.90**	**%Cft**	**100807**
4-	P/L P.C.C. 1:2:4 i/c placing compacting, finishing and curing complete (including screening and washing of stone aggregate). 1x12x6x1/3	**24 Cft**	**38271.80**	**%Cft**	**9185**
5-	1/2" thick cement plaster 1:3 up to 20' height i/c floating coat of cement 1/32" thick.				
	Inside				
	2(12+6)x4-2/3	168 Sft			
	2x2x6x6	144 Sft			
	Outside				
	2(14-1/4+8-1/4)x1-1/2	68 Sft			
	Total =	**380 Sft**	**5345**	**%Sft**	**20311**
6-	RCC 1:2:4 in roof slab, beam, columns, lintels, girders and other structural members laid in situ or precast laid in position or prestressed members cast in situ complete in all respect.				
	Beam under baffle wall 1x8-1/4x3/4x3/4	5 Cft			
	For slab 1x14-1/4x8-1/4x5/12	49 Cft			
		54 Cft			
	D/d of cover. 2x3.1416(1-5/6x1-5/6)/4x5/12	2 Cft			
	Net Total= 54 - 2 = 52	**52 Cft**	**556.05**	**P.Cft**	**28915**

S.No.	Description of Item	Qty.	Rate	Unit	Amount
7-	Fabrication of mild steel reinforcement for cement concrete using deformed bars i/c cutting, bending binding, laying in position, making joints and fastening, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
	52 x 6.75 / 2.2046	159 Kg	31425	%Kg	49966
8-	P/F 3" thick RCC manhole cover with tee shaped C.I.frame of 20" clear i/d (frame weighing 37.324 k.g. or one maund as per standard drawing STD/PD No.5 of 1977, complete in all respect.	2 Set	11565.15	P.Set	23130
9-	P/F 1-1/4"x1-1/4"x3/16" angle iron steps in manhole chambers i/c carriage and setting the same in work to correct lines and level.				
	(8-2/3)/3/4 - 1	4 Nos	594.55	P.Each	2378
				Total Rs.	260077
				SAY Rs .	260077

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
Sambrial.

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

ABSTRACT OF COST (External Electrifications, DB'S)

S.#	Description	Qty	Unit	Rate	Amount
1	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB (For Transformer)				
i)	**LT Switchboards**				
	a) **2.50 Ft deep**				
	(ii) 1200 A (3.0'x6'x2.5')	45	cft	3438.40	154728
	Incoming Breakers for Main DB (For Transformer)				
	1 Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	a) **Tripple Pole With Adjustable Thermal-Magnetic Trip /Electronic Trip (60-100%)**				
	(a) Tripple Pole 1250A(50 KA)	1	each	234034.3	234034.3
	Outgoing Breakers for Main DB (For Transformer)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 600A(36 KA)	3	each	62434.3	187302.9
2	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB (for ACs)				
	Incoming from Panel				
	i) **LT Switchboards**				
	a) 2.50 Ft deep				
	(ii) 400A (3.0'x6'x2.5')	45	cft	3438.4	154728
	Incoming Breaker for Main DB (for ACs)				
	1 Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 400A(36 KA)	1	each	62,434.3	62434.3
	Outgoing Breakers for Main DB (for ACs)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 200A(36 KA)	3	each	39814.3	119442.9
3	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Sub Main DB (for ACs)				
	Incoming from Main DB (for ACs)				
	(b) **12" deep**				
	(ii) 250A (3'x4'x12")	24	cft	4512.8	108307
	Incoming Breaker for Sub Main DB (for ACs)				
	1 Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 250A(36 KA) (1*2=2)	2	each	39814.3	79628.6
	Outgoing Breakers for Sub Main DB for ACs				
	1 Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Tripple Pole 63A(10 KA) (2*2=4)	4	each	8433	33733
	(c) Single Pole 32A(10 KA) (4*2=8)	8	each	1299.95	10400
	(d) Single Pole 20A(10 KA) (4*2=8)	8	each	1299.95	10400

S/E OF FEEDER PILLAR PANEL FOR EXT LIGHTING 60A with 60 AMP TP MCCB 25KA, & outging circuit 60A TP MCCB 10KA,16/10/6A SP MSCB 10KA, instrument protection 12-14SWg sheet powder painted fabricated indoor type,IP-44 , floor mounting EMS make 60A copper bus bar ,assambling/Instalation/commisioning and testing inside of panel complete in all respect etc i/c carriage from factory to site of work as approved by the Compitent Athorithy.**(24"x48"x6") (Anaylsis Attached)**

1

Total= 1 Job 134,322 P.Job 134322

S.#	Description	Qty	Unit	Rate	Amount
4	P/F floor moulted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Main DB (for Lighting)				
	Incoming from Panel				
	i) **LT Switchboards**				
	a) 2.50 Ft deep	12	cft	4512.8	54153.6
	(ii) 250A (3.0'x4'x12")				
	Incoming Breaker for Main DB (for Lighting)				
1	Supplying,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/ABB SWITZERL(with adjustable Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge	1	each	62,434.3	62434.3
(a)	Tripple Pole 400A(36 KA)				
	Outgoing Breakers for Main DB (for Lighting)				
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge	4	each	18094.3	72377
(b)	Tripple Pole 150A(36 KA)				
5	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	Sub Main DB (for Lighting)				
	Incoming from Main DB (for Lighting)				
(b)	12" deep	18	cft	5146.4	92635
	(ii) 150A (3'x3'x12")				
	Incoming Breaker for Main DB (for Lighting)				
1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge	2	each	18094	36189
(a)	Tripple Pole 150A(36 KA) (1*2=2)				
	Outgoing Breakers for Main DB (for Lighting)				
1	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.	4	each	1299.95	5200
(c)	Single Pole 32A(10 KA) (2*2=4)	8	each	1299.95	10400
(d)	Single Pole 20A(10 KA) (4*2=8)	8	each	1299.95	10400
(d)	Single Pole 10A(10 KA) (4*2=8)				

7- External Wiring (Detail Attached)

1

Total= 1 Job ~~13,247,086~~ 7433154 P.Job ~~13247086~~ 7433154

8- ELECTRIC ROOM (Detail Attached)

1

Total= 1 Job 1,274,616 P.Job 1274616

Total = ~~31186155~~ 10340120

Say Rs = ~~31186155~~ 10340120

Sub Engineer

(SUB DIVISIONAL OFFICER)
Buildings Sub Division,
SAMBRIAL.

(EXECUTIVE ENGINEER
Building Division,
SIALKOT.

FEEDER PILLER PANEL FOR EXTERNAL LIGHTING.

E OF FEEDER PILLAR PANEL FOR EXT LIGHTING 60A P/F wall mounted DB (Distribution Board) made with 6SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication ghts,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt SelectorSwitch,Ammeter selector switch,Current Transformers and Controles omplete in all respect as approveAthorithy.**20~60A (18"x24"x6")**

	DESCRIPTIN OF EQUIPMENT	Qty.	Unit	Rate	Amount
NCOMING					
1	25-100 Amp(25 KA)TP MCCB	1	No.	26,854.30	26,854.30
2	Magnetic Contactor 80 A (AC 3) for 50 KVAR	1	No.	39,874.30	39,874.30
3	Photo Electric Switch for automatic operation	1	No.	9,000.00	9,000.00
4	Control MCB 6A 220VAC	3	Nos.	1,174.30	3,522.90
UTGOING CIRCUIT					
1	15-100 Amp (10 KA,15KA) TP MCCB for BYPASS	1	Nos.	11,434.30	11,434.30
2	6-63 Amp (10 KA) SP MCB	12	No.	1,299.95	15,599.40
	MECHANICAL PORTION				
1	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 SelectorSwitch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately) **6" deep 20~60A** 20~60A (18"x24"x6")	1.5	Cft	18,691.40	28,037.10
				Total=	**134,322.30**

b Engineer

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

CONTRUCTON OF ELECTRIC L.T ROOM(18'x18')

Description of work	Plinth Area / Qty	Unit	MRS, 2ND EL-ANNUAL-2022 (01.01.2022 to 30.06.2022) BUILDING PORTION BP	Extra rate for strip foundation / Isolated footing	Extra for frame structure for each floor	Extra for foundation for 1st floor & subsequent floor	Reduced cost of foundation	Extra for 1st floor & subsequent floor	E.I	P.H	S.G	Total rate (5-13)	Amount (3x14)
2	3	4	5	6	7	8	9	10	11	12	13	14	15
CONTRUCTON OF ELECTRIC L.T ROOM(18'x18')	324 Sft	P.Sft	3712	(Detailed attached)					222	0	0	3934	1,274,616

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division
SAMBRIAL

13-00-22

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

EXTERNAL WIRING

2nd Annual 2022

#.	Description of Items	Qty	Unit	Rate		Amount
1-	**Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides,leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.(For Electric PVC pipe lines)**					
	Transformer to L.T panel 1x(25-1/2+77+16+130)x2x4	1988				
	Total=	**1988**	**Cft**	**7,647.00**	**%0Cft**	**15202**
2-	**Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-:- 4" i/d (100 mm)(For Electric recessed wiring)**					
	Gen to L.T Panel 2x(25-1/2+77+16+130)	497				
	Total=	**497**	**Rft**	**293.75**	**P.Rft**	**145994**
ii	**_____do_____ 3" i/d (80 mm)(For Electric recessed wiring)**					
	L.T panel to MDB & PSMDB 2x(15+5+96+10+92-1/2+25-1/2)+(50+12+37-1/2+115)	703				
	Total=	**703**	**Rft**	**236.75**	**P.Rft**	**166435**
iii	**_____do_____ 2" i/d (50 mm)(For Electric recessed wiring)**					
	LDB to Ext Lights (92-1/2+35-1/2+30)+12(150)	1958				
	Total=	**1958**	**Rft**	**188.45**	**P.Rft**	**368985**
3-	**Construction of Manholes for External Pole Street Light (2'x2') size**					
		12				
	Total=	**12**	**No**	**26,629**	**P.Each**	**319552**

4- **Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prelaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches etc (rate for cable only):-630 mm sq (127/0.093")**

Wapda to Main Panel Board (1250A)

~~4x(25-1/2+77+24+130+110)~~ ~~1026~~

~~Total=~~ ~~1026~~ 750 Rft 6,008 P.Rft ~~6164516~~ 4506000

	Description	Qty	Unit	Rate	Amount
1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc	200	rft	3,676.95	735390
2	70 mm sq (61/0.099") PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Main DB for ACs)**	250	rft	2,656.70	664175
3	35 mm sq (19/0.064") PVC insulated, PVC sheathed 4 core, 600/1000 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Sub Main DB for ACs & Lighting)**	250	rft	1,706.25	426562.5
4	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for ACs)**	400	rft	160.75	64300

7- ____do____ **7/0.52" (10mm sq) 4/core**

LDB(60A) to Ex. Lights 1x(30) 30

Total= 30 Rft 530.10 P.Rft 15903

8- _____do_____ **7/0.52" (10mm sq) S/core**

LDB(60A) to Ex. Lights 1x(30) 30

Total= 30 Rft 155 P.Rft 4655

Total = ~~13247086~~ 7433153.5

Say Rs = ~~13247086~~ 7433154

Engineer

Sub Divisional Officer
Buildings Sub Division,
Sambrial.

13/08/11

Executive Engineer
Buildings Division,
Sialkot.

CONSTRUCTION OF MANHOLE 2'x2' SIZE.

No.	Description of Item	Qty.	Rate	Unit	Amount
1-	Earthwork excavation in open cutting for sewers and manholes as shown in drawings excluding shuttering and timbering, dressing to correct section and dimensions accordiong to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock. From 0' to 7' depth.				
	12x3x3x3	324 Cft	11770.45	%0Cft	3814
2-	P/L cement concrete 1:6:18 using brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth.				
	12x3x3x1/2	54 Cft	19,801.40	%Cft	10693
3-	Pacca brick work in cement sand mortar 1:4 other than building.				
	Horizontal Walls				
	12x2x3-1/2x3/4x2-1/2	158 Cft			
	12x2x2x3/4x2-1/2	90 Cft			
	Total =	248 Cft	33941.90	%Cft	84176
4-	P/L P.C.C. 1:2:4 for benching i/c placing compacting, finishing and curing complete (including screening and washing of stone aggregate).				
	12x2x2x1/3	16 Cft	38271.8	%Cft	6123
5-	1/2" thick cement plaster 1:3 up to 20' height i/c floating coat of cement 1/32" thick.				
	Inside				
	12x2(2+2)x1/3	32 Sft			
	Total =	32 Sft	5345	%Sft	1710
6-	Making and finishing benching floor work in manhole chamber with 1/8" thick cement finish.				
	12x(2+2)x2	96 Sft	2976.75	%Sft	2858
7-	RCC 1:2:4 in roof slab, beam, columns, lintels, girders and other structural members laid in situ or precast laid in position or prestressed members cast in situ complete in all respect.				
	12x3-1/2x3-1/2x1/3	49 Cft			
	D/d of manhole cover				
	12x(22/7x1-5/6'x1-5/6')/4x1/3'	2 Cft			
	Net Total = 49-2 =	47 Cft	556.05	P.Cft	26134
8-	Fabrication of mild steel reinforcement for cement concrete using deformed bars i/c cutting, bending binding, laying in position, making joints and fastening, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars).				
	1x47x6.75x0.454	144.03 Kg	31425.00	%Kg	45262
9-	P/F 3" thick RCC manhole cover with tee shaped C.I.frame of 20" clear i/d (frame weighing 37.324 k.g. or one maund as per standard drawing STD/PD No.5 of 1977, complete in all respect.	12 Set	11565.15	P.Set	138782
				Total =	319552
				SAY Rs =	26629

Rate for One Manhole=262866/12

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Sambrial.

Sub Engineer

EXECUTIVE ENGINEER
Buildings Division,
SIALKOT.

ROUGH COST ESTIMATE FOR THE WORK REVAMPING OF THQ HOSPITAL SAMBRIAL DISTRICT SIALKOT.

Power Wiring

1st Bi Annual 2022

r#	Description of Items	Qty	Unit	Rate		Amount
	S/E OF MAIN DISTRIBUTION BOARD 800AMP (MDB) P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated,finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge.02-cubicals 800~1200A (3.0'x6'x2.5')					
		1				
	Total=	1	Job	1597052.1	P.Job	1597052
	S/E OF 400AMP (PSMDB-1) with 400A P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated,finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge.300~600A (3.0x6'x2.5')					
		1				
	Total=	1	Job	548,431	P.Job	548431
	S/E OF 400AMP (PSMDB-2) with 400A P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated,finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge.300~600A (3.0x6'x2.5')					
		1				
	Total=	1	Job	467,868	P.Job	467868
	S/E OF 400AMP (PSMDB-3) with 400A for AC P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated,finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge.300~600A (3.0x6'x2.5')					
		1				
	Total=	1	Job	602,140	P.Job	602140

S/E OF 150A (PDB) with 150 AMP 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 SelectorSwitch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge 125~150A (3'x3'x12")

3

~~Total= 3 Job 158,716 P.Job 476147~~

S/E OF 100A (PDB) with 100 AMP 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 SelectorSwitch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge 75~100A (30"x22"x6")

8

~~Total= 8 Job 96,070.35 P.Job 768563~~

S/E OF 60A (LDB) with 60 AMP 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 SelectorSwitch,Ammeter selector switch,Current Transformers and Controles
Complete in all respect as approved and directed by the Engineer Incharge.20~60A (18"x24"x6")

1

~~Total= 1 Job 83,562.90 P.Job 83563~~

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.) 10"x4"

Part-1	(4x91-1/2)+(2x47-1/2)+36-3/4+(2x5)+(2x19-1/4)+(2x17-3/4)+(2x46)+(8x8-1/2)	743
Part-2	(4x63-1/2)+(2x42-1/4)+(2x42)+(2x31)+(2x31-1/2)+(2x35-1/2)+(2x22-5/6)+(2x12-1/4)+(6x6)	662

Total= 1405 P.Rft 1,010 P.Job 1418910

vii ____do____ 19/0.072" (50mm sq) 4/core

MDB-2 to PDB (4,5,)	(22-5/6+10+30+6)+(10+10+6+14+6)	115				
	Total=	115	Rft	1,901.90	P.Rft	218719

viii ____do____ 19/0.052" (25mm sq) 4/core

PSMDB-1 to PDB (A-E)	(51+10+10)+(51+10+10+41)+(10+8-1/2+20+10+10)+(10+11+8-1/2+36-3/4+17+10)+(55+10+8-1/2+10)	504				
PSMDB-2 to PDB (1,2,)	(10+12-1/4+12+42-1/4+5)+(22-5/6+10+55-1/2+15+6)	191				
MDB-2 to PDB (4,)	(10+10+6+14+6)	46				
	Total=	741	Rft	1,341.60	P.Rft	994126

ix ____do____ 7/0.064" (16mm sq) S/core

PSMDB-1 to PDB (A-E)	(51+10+10)+(51+10+10+41)+(10+8-1/2+20+10+10)+(10+11+8-1/2+36-3/4+17+10)+(55+10+8-1/2+10)	504				
PSMDB-2 to PDB (1,2,)	(10+12-1/4+12+42-1/4+5)+(22-5/6+10+55-1/2+15+6)	191				
MDB-2 to PDB (3,4,5,)	(69+46+110)	225				
	Total=	920	Rft	174.50	P.Rft	160540

x ____do____ 7/0.52" (10mm sq) S/core

MLT to LDB	1x(12x150)	1800				
PDB to LDB (Mosque)	(25+10+65)	100				
	Total=	1900	Rft	155.15	P.Rft	294785

xi ____do____ 7/0.52" (10mm sq) 4/core

MLT to LDB	1x(12x150)	1800				
PDB to LDB (Mosque)	(25+10+65)	100				
	~~Total=~~	~~1900~~	Rft	530.10	P.Rft	1007190

Total = ~~14454235~~ 1418910

Say Rs = ~~14454235~~ 1418910

(SUB DIVISIONAL OFFICER)
Buildings Sub Division,
SAMBRIAL.

Sub Engineer

(EXECUTIVE ENGINEER
Building Division,
SIALKOT.

(91)

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NTN # 2498928-2

THQ HOSPITAL SAMBRIAL

QUOTATION

Date: 9-Dec-2021

We Are Pleased to Quote You The Following Rate Of Front Elevation.

S. NO	PARTICULARS	QTY	SQFT	PER SQFT	AMOUNT
1	**ACP Wall Cladding** Aluminum Composite Panel Brand (Dubai Bond)USA 0.21 × 0.21mm +4mm Thinkess,Wall Base Frame Structure Galvanized Aluminum Pipe 1"×2" Medium 1400gm Aluminum (L) Angle 3/4" × 3/4", Wood Screw 3/4" 10 No, Bit Screw 3/4" 8 No,Rivet 550 No, Raval Plug 12 No, Foam Rubber 1/2" × 3/4" Black, Silicone Brand Harris Clear & Black,Complete Installation will Be Charge with Sheet Bending in Total Measurements.	1	100 Approx	450	45000 Approx
2	**Iron Frame** Wall Cladding Frame Fabrication's MS Pipe 1"×1.5" Gauge 18, Rawal Bolts Wall Fixing.	1	100 Approx	250	25000 Approx

NOTE: **Lead Time 30 to 45 Working Days After Receipt of Purchase Order/Payment Steps Folding, Crane, Stair, Fare Extra Charge.If Any Modification Required Price Will Be Added.**

Terms & Condition

- 75% Advance at the Time of Order on Cash.
- 25% Balance on Delivery.
- Any Type of Taxes is not included in this Quotation.
- Quotation is Valid for 7 Working Days.

Khad Regards
Kashif Khan
0321-4171700

If you need to discuss anything, do not hesitate to contact us :

Sub Engg

Sub Divisional Officer
Building Sub Division
Sambrial

EXECUTIVE ENGINEER
Building Division
Sambrial

MASTER PLAN OF THQ HOSPITAL SAMBRIAL

PART 1

PART 2

PART 3

Executive Engineer
Building Division
Sialkot

Sub Divisional Officer
Sub Division
Building Sub Division
Sambrial

EXECUTIVE ENGINEER

Sub Engineer

AREA	
NET AREA (BOUNDARY WALL)	210714.988 Sft
MAJOR GARDEN BLOCK	20324.285 Sft
PARK AREA OF BLOCK	20324.285 Sft

ORDINO SCHEDULE OF DOORS AND WINDOWS

	DOORS			WINDOWS		
	WIDTH	HEIGHT		WIDTH	HEIGHT	
D1	6'-0"	7'-0"	W1	3'-0"	5'-0"	
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"	
D3	3'-6"	7'-0"	W3	6'-0"	5'-0"	
D4	3'-0"	7'-0"	W4	4'-6"	5'-0"	
D5	2'-6"	7'-0"	W5	8'-6"	6'-0"	
D6	6'-0"	7'-0"	W6	7'-0"	6'-0"	
V1	1'-6"	2'-0"	W7	2'-6"	5'-0"	
V2	2'-0"	2'-0"	W8	4'-0"	5'-0"	
V3	3'-0"	2'-0"	W9	2'-0"	5'-0"	

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client:

Consultant:
ASAD CONSULTANT (Pvt.) Limited
ARCHITECTS AND ENGINEERS
ADMINISTRATION BLOCK
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

Drawing Title:
THQ SAMBRIAL HOSPITAL MASTER PLAN

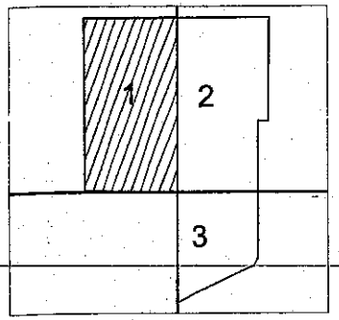
Drawing No:
SKAFS/SAMBRIAL /03

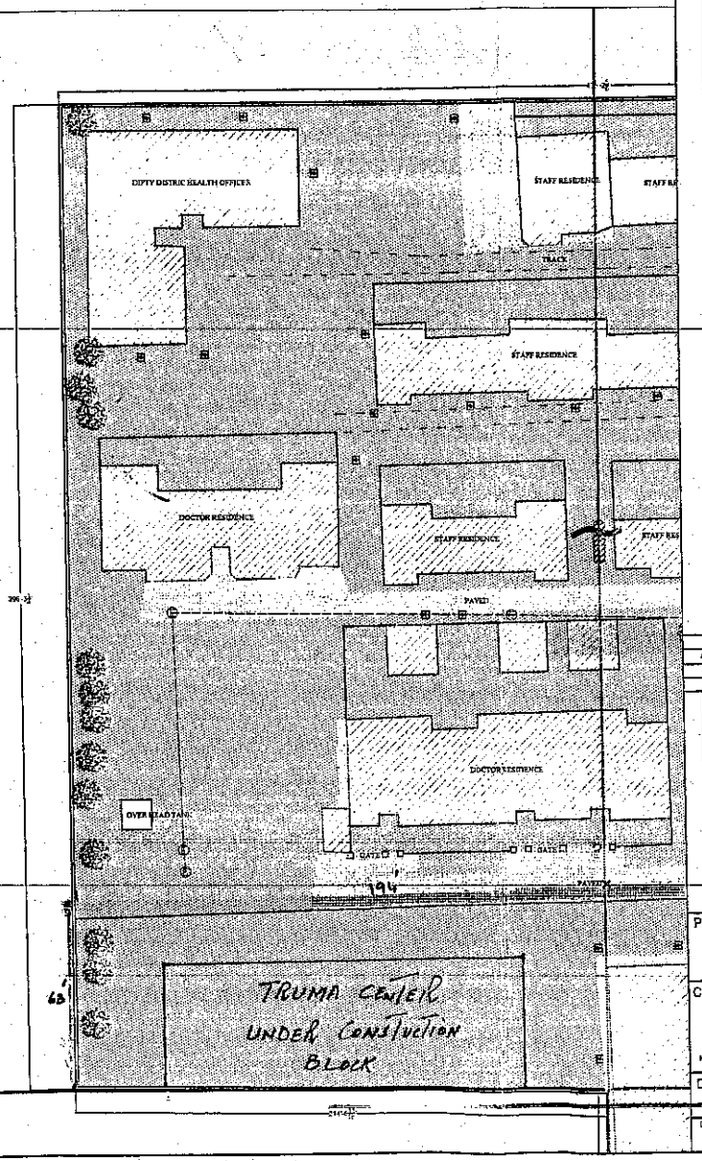
Legends:

- Residential Area
- Road
- Wall
- Power Line
- OHT
- Tree
- Man Hole
- Tube Well
- Light Pole
- Lawns
- Earthen Areas
- Asphalts Roads
- Tough Pavers
- P.C.C / Plinth Protection
- Boundary Wall
- Brick Pavers / Soiling
- Drain
- Tap
- Hand Pump
- Air Conditioner
- Tube Light
- Fan
- Roof Light
- Bulb

(65)

MASTER PLAN OF THQ HOSPITAL SAMBRIAL
PART 1





Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	MH
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

LEGEND

AREA OF TUFF/PAV	
RAZOR WIRE B/W	
MAIN HOLE	M.H
SEPTIC TANK	S.TANK
POWER LINE	

AREA	
AREA WITHIN BOUNDARY WALL	210714.968 Sft
AREA OF CLINICAL BLOCK	20324.295 Sft
PLINTH AREA OF BLOCK	20324.295 Sft

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
D3	3'-6"	7'-0"	W3	6'-0"	5'-0"
D4	3'-0"	7'-0"	W4	4'-6"	5'-0"
D5	2'-6"	7'-0"	W5	6'-6"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
v1	1'-6"	2'-0"	W7	2'-6"	5'-0"
v2	2'-0"	2'-0"	W8	4'-0"	5'-0"
v3	3'-0"	2'-0"	W9	2'-0"	5'-0"

Executive Engineer
Building Division
...ot

Sub Divisional Officer
Sub Division Building
Sambrial

Sub Engineer

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

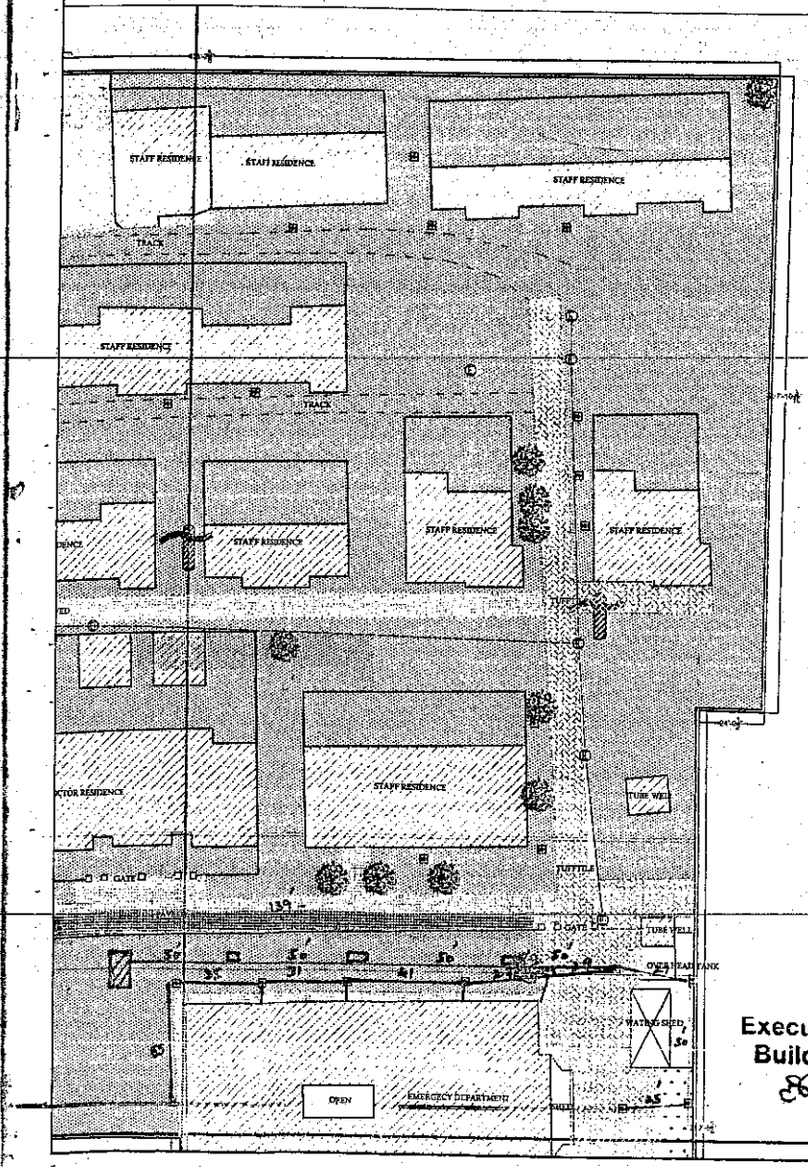
Client:
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

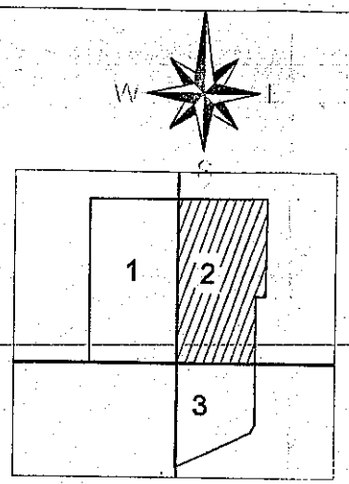
Consultant:
SKAFS CONSULTANT (PVT.) Limited
ENGINEERING AND ENVIRONMENT CONSULTANT

Drawing Title: THQ SAMBRIAL HOSPITAL MASTER PLAN PART 1

Drawing No: SKAFS/SAMBRIAL /04

MASTER PLAN OF THQ HOSPITAL SAMBRIAL
PART 2





Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	H.P
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA	
AREA WITHIN BOUNDARY WALL	210714.998 SR
AREA OF CLINICAL BLOCK	20324.295 SR
PLINTH AREA OF BLOCK	20324.295 SR

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
D3	3'-6"	7'-0"	W3	8'-0"	5'-0"
D4	3'-0"	7'-0"	W4	4'-6"	5'-0"
D5	2'-6"	7'-0"	W5	8'-6"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
v1	1'-6"	2'-0"	W7	2'-6"	5'-0"
v2	2'-0"	2'-0"	W8	4'-0"	5'-0"
v3	9'-0"	2'-0"	W9	2'-0"	5'-0"

Executive Engineer
Building Division
Sialkot

Sub Divisional Officer
Bulding Sub Division
Sambrial

SubEngineer

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client:
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

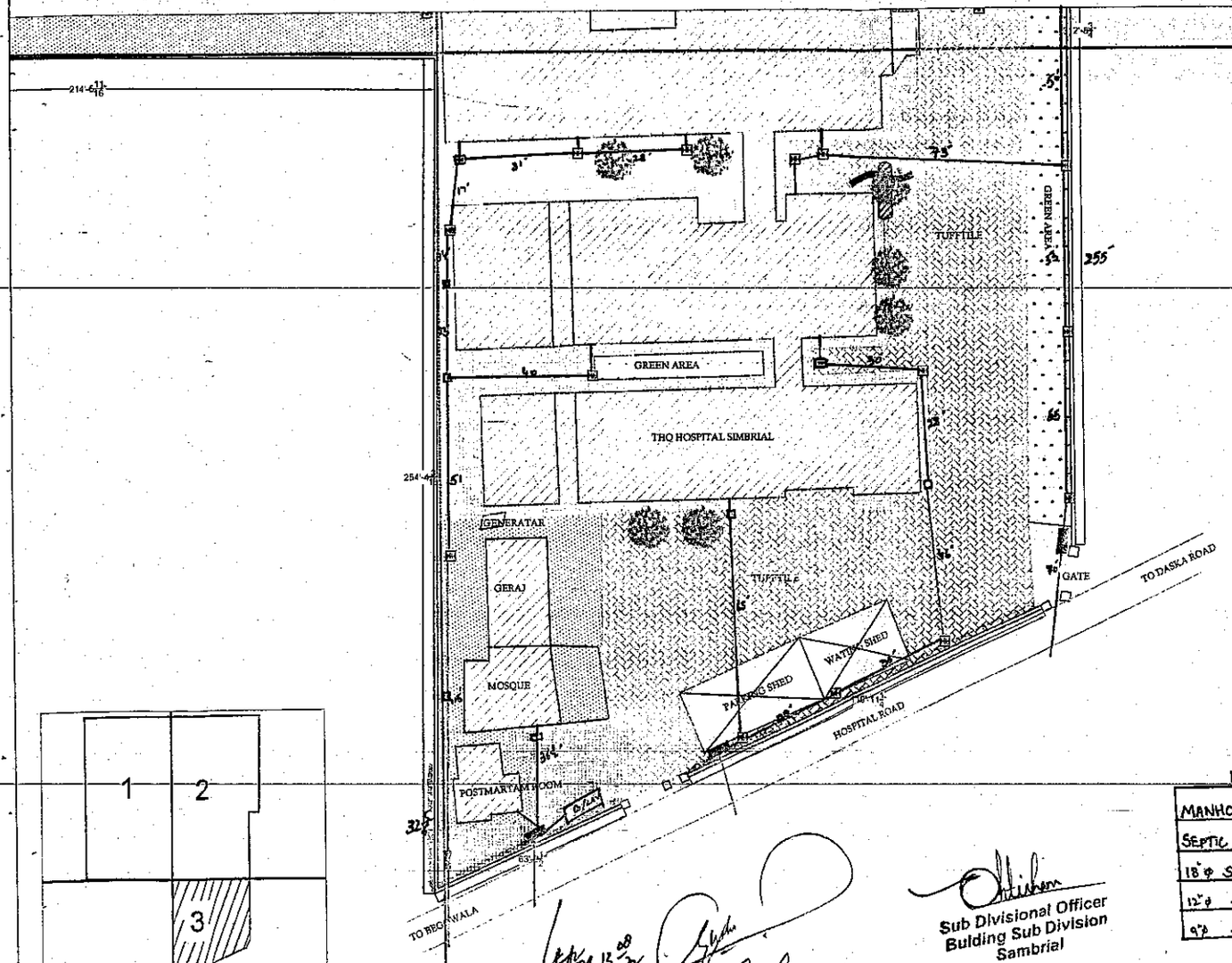
Consultant:
BKAFS CONSULTANT (Pvt.) Limited
ENGINEERING AND ENVIRONMENT CONSULTANT

Drawing Title:
THQ SAMBRIAL
HOSPITAL MASTER PLAN PART 2

Drawing No.
BKAFS/SAMBRIAL /05

(97)

MASTER PLAN OF THQ HOSPITAL SAMBRIAL
PART 3



Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	MH
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	HP
Air Conditibner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA	
AREA WITHIN BOUNDARY WALL	210714.988 Sft
AREA OF CLINICAL BLOCK	20324.295 Sft
PLINTH AREA OF BLOCK	20324.295 Sft

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
D3	3'-6"	7'-0"	W3	6'-0"	5'-0"
D4	3'-0"	7'-0"	W4	4'-5"	5'-0"
D5	2'-5"	7'-0"	W5	8'-6"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
V1	1'-6"	2'-0"	W7	2'-6"	5'-0"
V2	2'-0"	2'-0"	W8	4'-0"	5'-0"
V3	3'-0"	2'-0"	W0	2'-0"	5'-0"

LEGEND

MANHOLE	MH
SEPTIC TANJ	S.TANK
18" ϕ SEWER LINE	
12" ϕ do	
9" ϕ do	

Sub Divisional Officer
Building Sub Division
Sambrial

Executive Engineer
Building Division
Sialkot

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client:
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

Consultant:
SKAFS CONSULTANT (Pvt) Limited
ENGINEERING AND ENVIRONMENT
DASKA TAFI

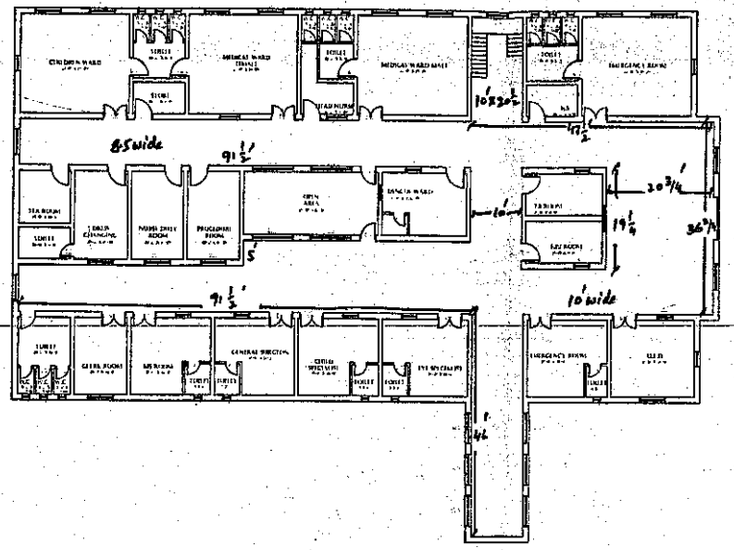
Drawing Title:
THQ SAMBRIAL
HOSPITAL MASTER PLAN PART 3

Drawing No
SKAFS/SAMBRIAL /06

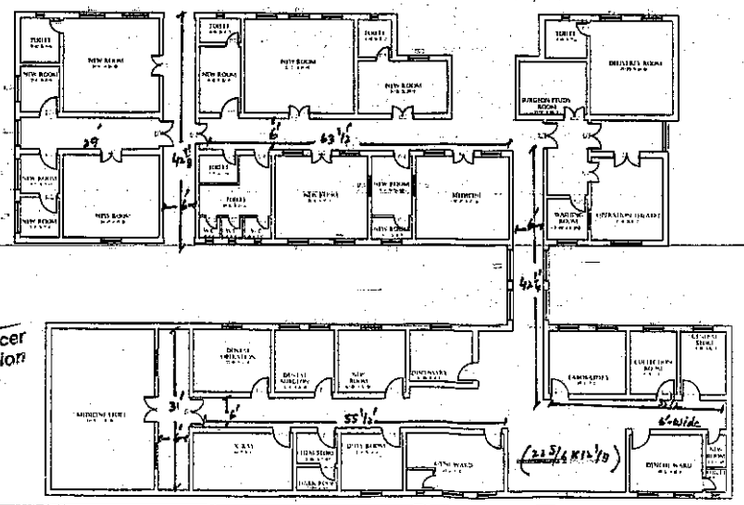
(98)

CLINICAL BLOCK OF THQ HOSPITAL SAMBRIAL
GROUND FLOOR

PART 1



PART 2



Executive Engineer
Building Division
Sialkot

Sub Divisional Officer
Building Sub Division
Sambrial

Sub Engineer

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA	
AREA WITHIN BOUNDARY WALL	210714.988 Sft
AREA OF CLINICAL BLOCK	20324.295 Sft
PLINTH AREA OF BLOCK	20324.295 Sft

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
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D4	3'-0"	7'-0"	W4	4'-6"	5'-0"
D5	2'-6"	7'-0"	W5	8'-6"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
v1	1'-6"	2'-0"	W7	2'-6"	5'-0"
v2	2'-0"	2'-0"	W8	4'-0"	5'-0"
v3	3'-0"	2'-0"	W9	2'-0"	5'-0"

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client:
GOVERNMENT OF THE PUNJAB PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

Consultant:
SKAFS CONSULTANT (PVT) Limited ENGINEERING AND ENVIRONMENT CONSULTANT

Drawing Title:
THQ SAMBRIAL
HOSPITAL CLINICAL BLOCK PLAN

Drawing No
SKAFS/SAMBRIAL 107

CLINICAL BLOCK OF THQ HOSPITAL SAMBRIAL

GROUND FLOOR PART 1

Legends:

- Residential Area
- Road
- Wall
- Power Line
- OHT
- Tree
- Man Hole
- Tube Well
- Light Pole
- Lawns
- Earthen Areas
- Asphalts Roads
- Tough Pavers
- P.C.C / Plinth Protection
- Boundary Wall
- Brick Pavers / Soling
- Drain
- Tap
- Hand Pump
- Air Conditioner
- Tube Light
- Fan
- Roof Light
- Bulb

AREA	
AREA WITHIN BOUNDARY WALL	2107.4.988 SR
AREA OF CLINICAL BLOCK	20324.285 SR
PLINTH AREA OF BLOCK	20324.285 SR

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	6'-0"
D3	3'-6"	7'-0"	W3	8'-0"	6'-0"
D4	3'-0"	7'-0"	W4	4'-6"	5'-0"
D5	2'-8"	7'-0"	W5	6'-6"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
V1	1'-6"	2'-0"	W7	2'-6"	5'-0"
V2	2'-0"	2'-0"	W8	4'-0"	6'-0"
V3	3'-0"	2'-0"	W9	2'-0"	5'-0"

Project: CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client: Executive Engineer Building Division Sialkot

Consultant: BUKHARI CONSULTANT (Pvt.) Limited

Drawing Title: THQ SAMBRIAL CLINICAL BLOCK PLAN (PART 1)

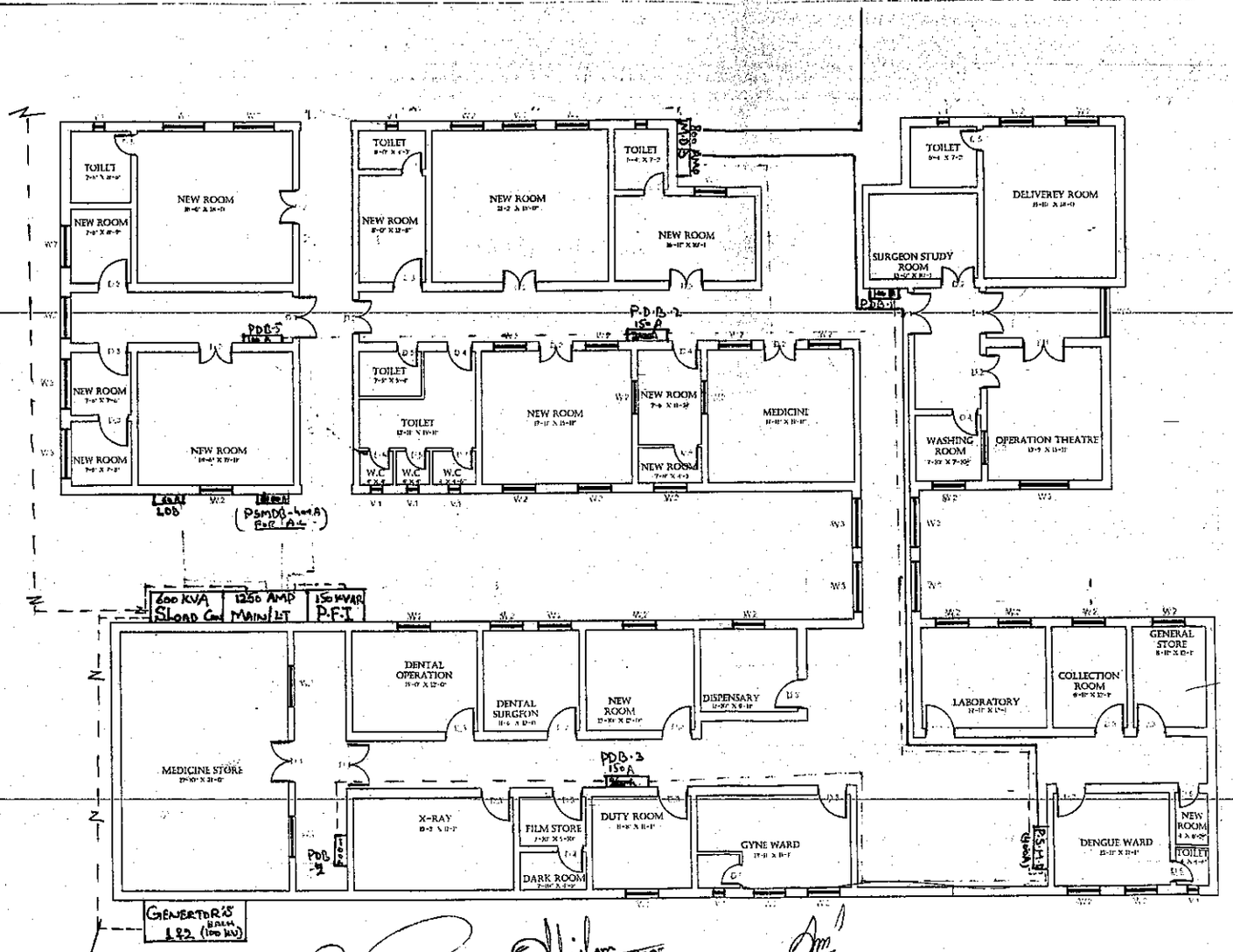
Drawing No: SKAFS/SAMBRIAL /05

EXECUTIVE ENGINEER Buildings Division SIALKOT

Sub Divisional Officer Building Sub Division Bamprial

Sub Engineer

CLINICAL BLOCK OF THQ HOSPITAL SAMBRIAL
GROUND FLOOR PART 2



Executive Engineer
Building Division
Sialkot

Sub Divisional Officer
Building Sub Division
Sambrial

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	H.P
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA	
AREA WITHIN BOUNDARY WALL	210714.988 Sft
AREA OF CLINICAL BLOCK	20324.295 Sft
PLINTH AREA OF BLOCK	20324.295 Sft

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
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D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
v1	1'-6"	2'-0"	W7	2'-6"	6'-0"
v2	2'-0"	2'-0"	W8	4'-0"	5'-0"
v3	3'-0"	2'-0"	W9	2'-0"	5'-0"

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

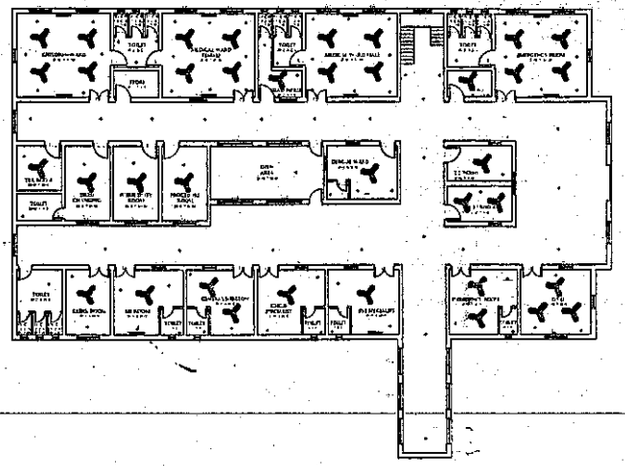
Client:
GOVERNMENT OF THE PUNJAB
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

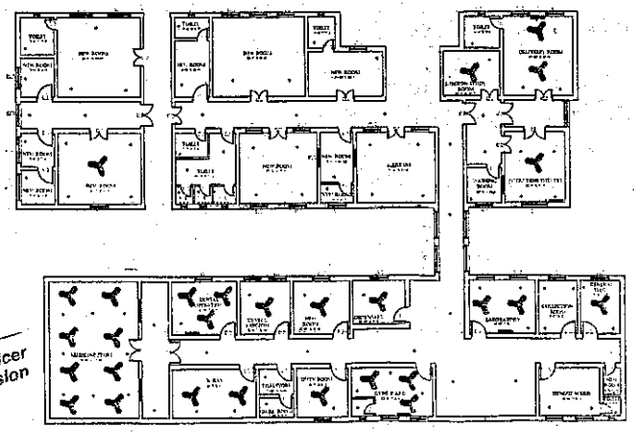
Consultant:
SKAFS CONSULTANT (Pvt.) Limited
(ENGINEERING AND ENVIRONMENTAL CONSULTANT)

Drawing Title: THQ SAMBRIAL
CLINICAL BLOCK PLAN (PART 2)

Drawing No: SKAFS/SAMBRIAL /9

ELECTRICAL LAYOUT PLAN OF THQ HOSPITAL SAMBRIAL
GROUND FLOOR





Legends:

Residential Area	
Road	
Wall	
Power Line	
OHT	
Tree	
Man Hole	MH
Tube Well	
Light Pole	
Lawns	
Earthen Areas	
Asphalts Roads	
Tough Pavers	
P.C.C / Plinth Protection	
Boundary Wall	
Brick Pavers / Soling	
Drain	
Tap	
Hand Pump	H.P
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA	
AREA WITHIN BOUNDARY WALL	210714.986 Sft
AREA OF SUBJECT BLOCK	20324.295 Sft
FOOTPRINT OF BLOCK	20324.295 Sft

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	5'-0"	7'-0"	W1	3'-0"	5'-0"
D2	4'-0"	7'-0"	W2	3'-6"	5'-0"
D3	3'-6"	7'-0"	W3	6'-0"	5'-0"
D4	3'-0"	7'-0"	W4	4'-6"	5'-0"
D5	2'-6"	7'-0"	W5	8'-8"	5'-0"
D6	6'-0"	7'-0"	W6	7'-0"	5'-0"
V1	1'-0"	2'-0"	W7	2'-6"	5'-0"
V2	2'-0"	2'-0"	W8	4'-0"	5'-0"
V3	3'-0"	2'-0"	W9	2'-0"	5'-0"

Executive Engineer
Building Division
Sialkot

Sub Divisional Officer
Building Sub Division
Sambrial

Sub Engineer

EXECUTIVE ENGINEER
Buildings Division
SIALKOT

Project:
CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client: GOVERNMENT OF THE PUNJAB PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

Consultant: SKAFS CONSULTANT (PVT.) LIMITED ENGINEERING AND ENVIRONMENT CONSULTANTS

Drawing Title: THQ SAMBRIAL
ELECTRICAL PLAN (GROUND FLOOR)

Drawing No: SKAFS/SAMBRIAL /10

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010053
A/C To be Credited: Account-I

PKR Million

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

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010053
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
Total		**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

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

The Annual operating and maintenance cost after completion of the project 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

10.3 FINANCIAL PLAN GRANT INFORMATION

Attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	38.000	22.265	2.976	3.083	4.595	7.638	78.557
Utilization	17.837	22.193	2.719	2.164	4.533	1.020	50.466

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	5.000	5.000
Utilization	0	0	0	0	0	0	0

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

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

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

undefined

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 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.:
Fax No:
Address:

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

Prepared By:

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

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

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

Checked By:

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

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

Approved By:

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

17. RELATION WITH OTHER PROJECTS