



PC-1

Revamping of Government Civil Hospital, Multan

ORIGINAL APPROVED COST	PKR Million. 333.767/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of Government Civil Hospital, Multan

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. MULTAN

2.2. TEHSIL(S)

I. MULTAN CITY

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

3	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: 5249
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 Qaddafi stadium, Lahore. It is headed by a Project Director with a committed team comprising of Deputy Project Director, Finance and Administration, ICT), Project Managers, Project Officers, Engineers, supporting administrative and technical staff, experienced and qualified Health consultants., Directors (Operations, Human Resource & Planning and infrastructure, Outsourcing) as well as Procurement Specialist.

5.3 Infrastructural Interventions

The construction of various new blocks of hospital complex is constructed without any proper planning and necessary connection to existing blocks. On the whole, the complete infrastructure of hospital is quite complex and scattered, access to various blocks of hospital is quite inadequate and there is no proper connection or link between different blocks of hospital. In the revamping program of

DHQ and THQ Hospitals, the placement of various facilities of hospitals are re-planned keeping in view the layout of existing blocks for facilitation of patients and some modifications/alterations were proposed in the blocks for necessary link or connection between the blocks.

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

The most important entity of a hospital lies in its cleanliness. Infrastructural interventions to keep the hospital clean were taken in the form of improvement of sewerage system of the hospital. These interventions include the re designing of sewerage system, construction of new manholes, laying of new sewer lines and connection between trunk sewer and hospital sewer.

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

Chronic kidney disease is now a significant public health problem worldwide. Chronic kidney disease globally affects almost 10 % of general population with Incidence in prevalence of disease are still rising especially in

developing countries .The rise in chronic kidney disease is by aging of the populations and growing problems of obesity, diabetes, high blood pressure and cardiovascular diseases.

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

Tehsil Headquarter Hospitals (THQ) serve catchment populations of the whole Tehsil (0.5-1 million) and provide a range of specialist care in addition to basic outpatient and inpatient services. They typically have about 80 to 150 beds and a broad range of specialized services including surgery, medicine, paediatrics, obstetrics, gynaecology, ENT, ophthalmology, orthopaedics, urology, neurosurgery etc. Patient who are in need of intensive care are usually referred to tertiary care hospital but due to long distance they had to travel and time consumed on road due to heavy traffic and other unavoidable circumstance ,patient's condition not only deteriorate but also compromise the effectiveness of life saving intervention. Understanding these ground realities Primary and Secondary Healthcare Department, Government of the Punjab has decided to establish intensive care units (ICU) in THQ hospitals as a part of its Annual Development Plan. This will improve the quality of healthcare and timely provision of life saving treatment will be possible to large number of patients.

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

This project basically aims to remove all the human related dependency till the patient reach the doctors. Moreover, it also includes, recording basic information

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

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

The system manages the patients load, organizes the patient's queues in an adequate manner and gives them the ease in waiting area; and they will be examined gracefully by doctors at their turn. Basic information of the patient is also linked with its ticket, being taken at the first counter. This will help established a unique ID against each patient. This will also lead to the establishment of Electronic Medical Record. The Process flow of Queue Management System at THQ is given as follows:

There are 25 counters at THQ level including basic registration counter, triage counter, consultant office and hospital pharmacy. There is one ticketing machine with a bifurcation of male, female and old age person. The ticket will be issued to the relevant category accordingly. After receiving the ticket the said number will be blinked on male, female and old age counter. The person will move to that counter where he will be asked about his basic details which will be entered in the basic registration form software linked with QMS and that specific token / ticket number. He will also be asked about the disease and accordingly the relevant consultant / specialty area e.g. pediatrics, ophthalmology etc. after registering, he will take the printout and give the slip to patient / attendant along with its token number.

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

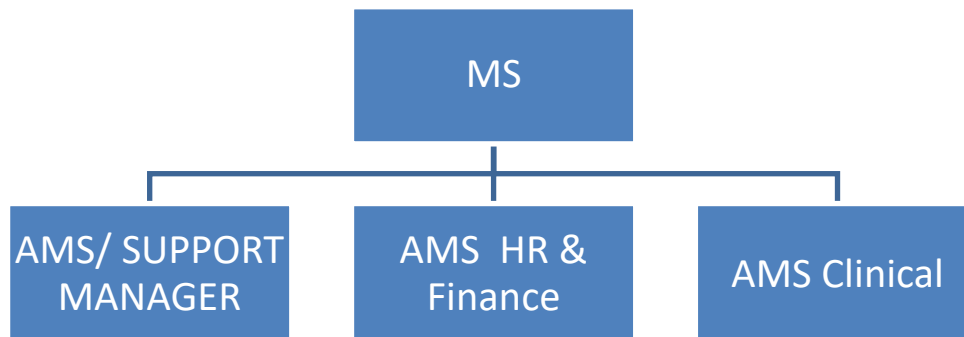
5.4.5 Security

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

5.6 HR & Management Interventions Structure

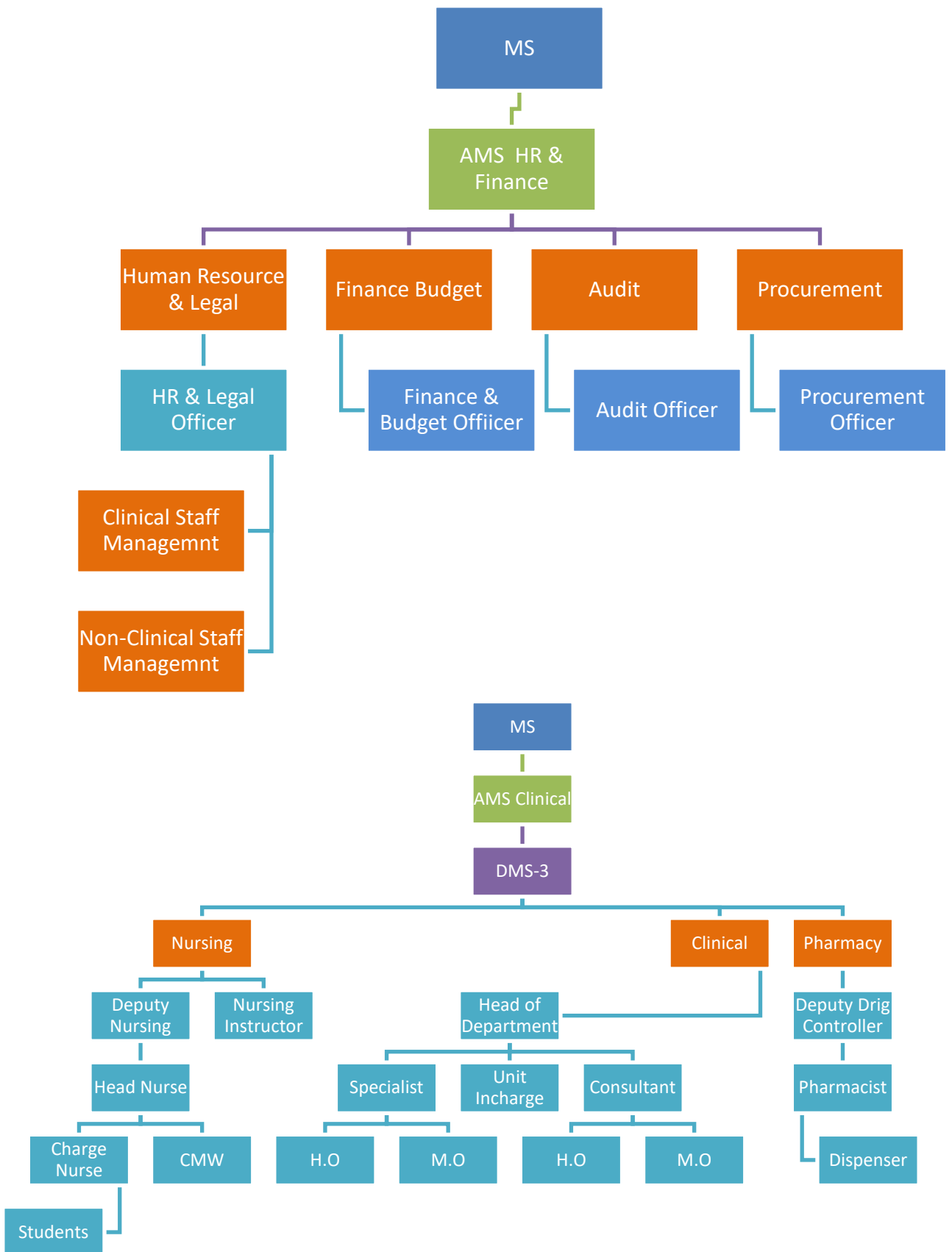
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

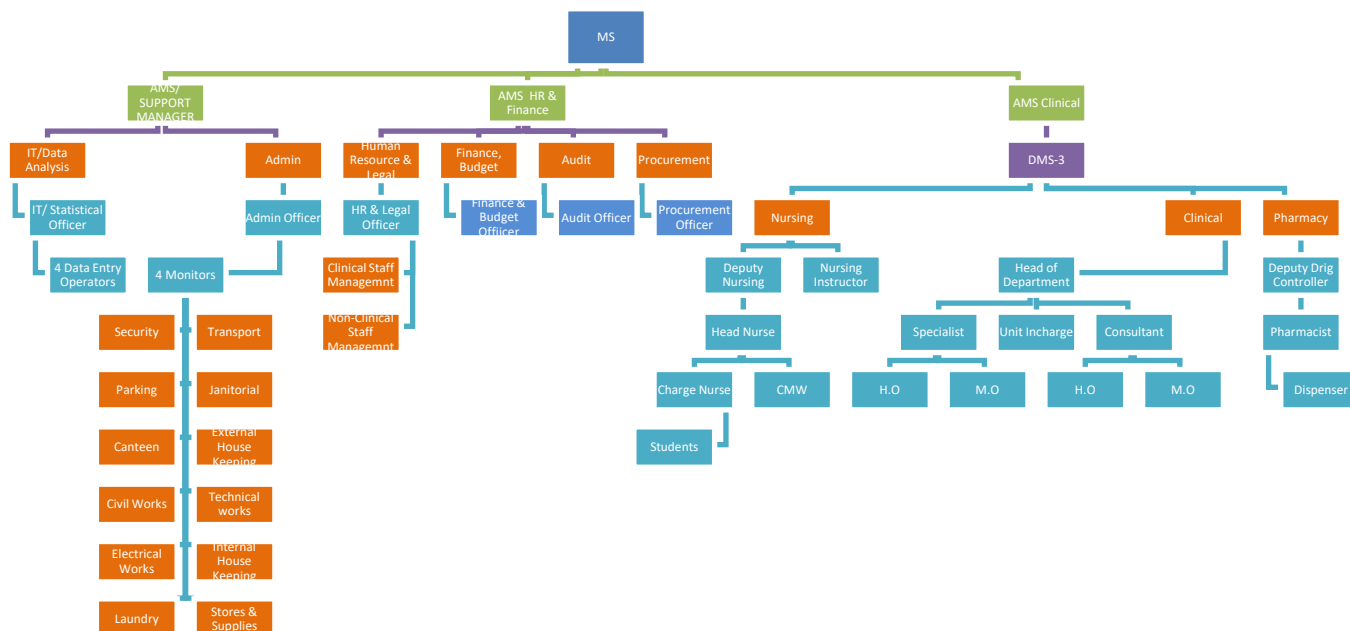
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



The Planning & Development Board vide letter No.12(24)PO(COORD-II)P&D/2022 dated 14-07-2022 has informed that revised standard pay package were discussed and approved by the 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:

<u>Project Pay Scale (PPS)</u>	<u>Revised Project Pay Scales (Permissible Range) (PKR)</u>	<u>Annual Increment Up to % age</u>
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

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of area of Government Civil Hospital Multan is more than 0.546 million. The area of the Government Civil Hospital Multan is 27,559 SFT land.

6.1 Description and Justification

The Project Management Unit, Revamping Program, Primary and Secondary Healthcare Department planned to start the 2nd Phase of the said revamping program. The instant PC-I is also meant for provision of requisite biomedical and non-biomedical equipment, Electricity, Furniture & Fixture, Signage, HR and outsourcing of services for Revamping of Government Civil Hospital Multan.

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

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

Care Center, HR, Medical Gases, Cafeteria are fixed in all hospitals as per yardstick established by P& SH Department. Prior to initiation of this exercise standardization of required facilities was done by committee of experts in P & SH Department and on the basis of it, gaps were identified which would be covered under this PC-I.

Justification for 3rd Revision of PC-I

1. Originally the Civil work component of the scheme was planned to be executed by the Health Council of the concerned District Health Authority based on cost estimates prepared by the Infrastructure Wing of PMU and approved by the DDSC. Accordingly, funds of Rs.3, Rs.5 and Rs.10 million were provided during FY 2017-18 for the execution of work as per parameters provided to these THQ Hospitals. However, no reasonable revamping civil work was carried out and hence did not fulfil the requirement and the objectives of the Revamping Program. Now P&SHD has decided to carry out further revamping of Civil work through Communication and Works Department Punjab to accomplish the uniformity of THQ Hospitals with already revamped hospitals of Phase-I. Hence the Rough Cost Estimates of the Punjab Buildings Department has been included in the civil work cost of this scheme.
2. Primary & Secondary Healthcare Department (P&SHD) made a decision to shift all the clerical posts in DHQ / THQ hospitals of Punjab to District Health Authorities as per notification dated 24th October, 2017. This administrative decision was taken due to a multiplicity of reasons which were adversely affecting healthcare service delivery in the hospitals. Primarily, these clerical posts were not specialized in any particular field, and therefore, the HR hired against these posts were generalized to the extent that they were not able to perform functions of Hospitals and Health Specific tasks that any medical administration should ideally perform. Additionally, public complaints against the clerical staff on issues such as behavior, performance created an environment of malfeasance in all hospitals. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60th PDWP meeting as under: -

Name of Posts	60 th PDWP Meeting		
	PPS Assigned	Permissible Range (PKR) & Annual increment	Approved Pay Package
HR & Legal Officer, IT & Statistical Officer, Admin Officer, Procurement Officer, Finance & Budget Officer, Logistics Officer, Quality Assurance Officer, Audit Officer and Biomedical Engineer	PPS-6	75,000-105,000 (8% annual incr.)	75,000
Assistant Admin Officer	PPS-5	50,000-75000 (10% annual incr.)	50,000
Data Entry Operator	PPS-3	35,000-55,000 (10% annual incr.)	35,000

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

- As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
- Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 67.143 million to Rs. 47.467 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT



LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB



6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number:Development - (PC22036)
LO NO:LO17010573
A/C To be Credited:SDA

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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:LO22010049
A/C To be Credited:Account-I

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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
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Abstract of Cost

Name of THQ Hospital	Revamping of Govt. Civil Hospital Multan											
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	18.958	18.958	0.000	18.958	18.958	61.437	5.000	66.437	42.436	5.000	47.436
External Development	0.000	1.034	1.034	0.000	1.034	1.034	5.706	0.000	5.706	5.031	0.000	5.031
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	25.592	25.592	0.000	25.592	25.592	67.143	5.000	72.143	47.467	5.000	52.467
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	47.336	47.336
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	51.138	51.138	0.000	51.138	51.138	0.000	65.650	65.650	0.000	97.237	97.237
Electricity	0.000	14.017	14.017	0.000	14.017	14.017	0.000	13.472	13.472	0.000	18.472	18.472
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	3.027	3.027	0.000	3.027	3.027	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	39.710	39.710	0.000	57.087	57.087
LC Deficit during procurement (currency fluctuation)								2.952	2.952		2.952	2.952
Total Revenue component	0.000	144.131	144.131	0.000	144.131	144.131	0.000	195.403	195.403	0.000	281.300	281.300
Outsourcing component												
Janitorial Services	0.000	10.015	10.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	4.323	4.323	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	2.520	2.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.833	3.833	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	1.461	1.461	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	0.000	32.599	32.599	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	0.000	202.322	202.322	0.000	169.723	169.723	67.143	200.403	267.546	47.467	286.300	333.767
Contingency (1%) only on Civil Component	0.000	0.256	0.256	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	4.046	4.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	206.625	206.625	0.000	169.723	169.723	67.143	200.403	267.546	47.467	286.300	333.767

Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Original				1st Revised				2nd Revised				3rd Revised			
			Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
				(T=6+S=0+E=6)				(T=6+S=0+E=6)				(T=6+S=0+E=6)				(T=6+S=0+E=6)		
1	Reception Area	Table	0		99,750	-	0		99,750	-	0		99,750	-	0		99,750	-
2		Chairs	0		26,775	-	0		26,775	-	0		26,775	-	0		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	1	141,750	141,750	1	1	141,750	141,750	1	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	0	101,850	-
5	6	Chairs *(N)	0	0	26,775	-	0	0	26,775	-	0	0	26,775	-	0	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	3	6	30,000	180,000
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	3	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	2	4	33,600	134,400	2	4	36,000	144,000	2	4	36,000	144,000
9		Laryngoscope paed & adult each*(N)	2	4	10,500	42,000	2	4	10,500	42,000	2	4	12,000	48,000	2	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	1	2	45,150	90,300	1	2	50,000	100,000	1	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	1	2	169,785	339,570	1	2	180,000	360,000	1	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	0	420,000	-	0	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	2	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	1	2	259,350	518,700	1	2	275,000	550,000	1	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	1	2	244,733	489,466	1	2	400,000	800,000	1	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800
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	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	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	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	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	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	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	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	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	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	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-	4		420,000	-	4		460,000	-	4		850,000	-
29		Sucker machine *(N)	2		259,350	-	2		259,350	-	2		275,000	-	2		300,000	-
30		Nebulizer HD*(N)	2		125,265	-	2		125,265	-	2		215,000	-	2		300,000	-
31		Center Oxygen supply*N	1		420,000	-	1		420,000	-	1		-	-	1		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-	1		237,618	-	1		400,000	-	1		600,000	-
33		Defibrillator*N	1		302,605	-	1		302,605	-	1		650,000	-	1		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-	4		104,000	-	4		160,000	-	4		225,000	-
35		Bedside-monitor*(N)	4		301,665	-	4		301,665	-	4		550,000	-	4		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-	1		169,785	-	1		169,785	-	1		300,000	-
37		BP APPARATUS*N	1		15,750	-	1		15,750	-	1		16,000	-	1		16,000	-
38		FOOT STEP)*(N)	1		3,150	-	1		3,150	-	1		4,000	-	1		5,500	-
39		ATTENDANT BENCH)*(N)	1		5,250	-	1		5,250	-	1		8,000	-	1		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	7	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	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	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	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	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	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	1	600,000	600,000

Emergency Equipment

Sr.	Area	ITEM DESCRIPTION	Original				1st Revised				2nd Revised				3rd Revised			
			Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total
47		Defibrillator* N	1	1	299,153	299,153	1	1	299,153	299,153	1	1	650,000	650,000	1	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	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	0	31,500	-	0	0	35,000	-	0	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-
51		ambo bag paed's with Mask* N	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	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	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	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	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	1	2,400,000	2,400,000
		Total				20,463,445				20,463,445				27,876,235				47,336,200
						20.463				20.463				27.876				47.336

MSDS

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

MSDS

Sr. No.	ITEM DESCRIPTION	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
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

Sr. No.	Area	Name of Equipment	Original					1st Revised					2nd Revised					3rd Revised				
			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	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	2	0	449,295	-	1	2	0	449,295	-	1	2	0	550,000	-	1	2	0	550,000	-
2		Hematology Analyzer	1		1	427,350	427,350	1		1	427,350	427,350	1		1	550,000	550,000	1		1	750,000	750,000
3		Electrolyte Analyzer	1		1	427,350	427,350	1		1	427,350	427,350	1		1	550,000	550,000	1		1	550,000	550,000
4		Blood Gas Analyzer	0		0	2,744,858	-	0		0	2,744,858	-	0		0	3,200,000	-	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		Water Bath	1		1	60,000	60,000	1		1	60,000	60,000	1		1	157,500	157,500	1		1	325,000	325,000
7		Hot air Oven	1	2	0	210,000	-	1	2	0	210,000	-	1	2	0	385,000	-	1	2	0	450,000	-
8		Distilled water plant	1		1	52,500	52,500	1		1	52,500	52,500	1		1	75,000	75,000	1		1	125,000	125,000
9		Auto pipettes	10		10	31,500	315,000	10		10	31,500	315,000	10		10	40,500	405,000	10		10	45,000	450,000
10		glass wares	0		0	105,000	-	0		0	105,000	-	0		0	105,000	-	0		0	105,000	-
11	X-Rays	Centrifuge Machine	2	3	0	149,336	-	2	3	0	149,336	-	2	3	0	250,000	-	2	3	0	400,000	-
12		Static X-ray Machine	1	3	0	4,200,000	-	1	3	0	4,200,000	-	1	3	0	6,000,000	-	1	3	0	12,000,000	-
13		Mobile X-Ray Machine	0		0	3,850,524	-	0		0	3,850,524	-	0		0	4,300,000	-	0		0	9,800,000	-
14		Computerized Radiography System	0		0	4,018,245	-	0		0	4,018,245	-	0		0	4,500,000	-	0		0	4,500,000	-
15		Dental X-Ray	0		0	282,975	-	0		0	282,975	-	0		0	350,000	-	0		0	525,000	-
16		Lead apron and PPE	2		2	52,500	105,000	2		2	52,500	105,000	2		2	60,000	120,000	2		2	85,000	170,000
17		Density meter personal (Add)	0		0	210,000	-	0		0	210,000	-	0		0	210,000	-	0		0	250,000	-
18		Lead glass /shield	0		0	105,000	-	0		0	105,000	-	0		0	105,000	-	0		0	150,000	-
19		Lead Walls	0		0	525,000	-	0		0	525,000	-	0		0	525,000	-	0		0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	2	0	1,371,331	-	0	2	0	1,371,331	-	0	2	0	1,500,000	-	0	2	0	2,400,000	-
21		Color Doppler RADIOLOGY	1		1	3,698,310	3,698,310	1		1	3,698,310	3,698,310	1		1	4,500,000	4,500,000	1		1	5,500,000	5,500,000
22	CCU	ICU MONITOR	2		2	301,665	603,330	2		2	301,665	603,330	2		2	900,000	1,800,000	2		2	1,250,000	2,500,000
23		Temporary pace maker	0		0	315,000	-	0		0	315,000	-	0		0	315,000	-	0		0	550,000	-
24		Defibrillator	1		1	299,153	299,153	1		1	299,153	299,153	1		1	650,000	650,000	1		1	800,000	800,000
25		ECG Machine Three Channel	2	5	0	169,785	-	2	5	0	169,785	-	2	5	0	169,785	-	2	5	0	300,000	-
26		ETT Machine	0		0	2,021,838	-	0		0	2,021,838	-	0		0	2,200,000	-	0		0	3,000,000	-
27		Color doplor CARDIOLOGY	0		0	4,681,790	-	0		0	4,681,790	-	0		0	4,800,000	-	0		0	6,000,000	-
28		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
29	Blood Bank	Blood Cabinet	1		1	690,539	690,539	1		1	690,539	690,539	1		1	700,000	700,000	1		1	1,500,000	1,500,000
30		Centrifuge Machine	2		2	149,336	298,673	2		2	149,336	298,673	2		2	250,000	500,000	2		2	400,000	800,000
31		Slide viewer	1		1	42,000	42,000	1		1	42,000	42,000	1		1	55,000	55,000	1		1	55,000	55,000
32		Clinical Microscope	1		1	132,825	132,825	1		1	132,825	132,825	1		1	180,000	180,000	1		1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	4	1	1,050,000	1,050,000	5	4	1	1,050,000	1,050,000	5	4	1	1,600,000	1,600,000	5	4	1	3,200,000	3,200,000
34	Nursery	Baby Cot	10		10	14,669	146,685	10		10	14,669	146,685	10		10	16,000	160,000	10		10	16,000	160,000
35		Phototherapy Unit	2		2	130,200	260,400	2		2	130,200	260,400	2		2	655,000	1,310,000	2		2	850,000	1,700,000
36		Infant Warmer	2		2	335,638	671,276	2		2	335,638	671,276	2		2	985,000	1,970,000	2		2	1,050,000	2,100,000
37		Pulse Oximeter	6		6	104,500	627,000	6		6	104,500	627,000	6		6	160,000	960,000	6		6	225,000	1,350,000
38		Infant Incubator	2		2	858,932	1,717,864	2		2	858,932	1,717,864	2		2	900,000	1,800,000	2		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	2,509,554	2,509,554	1		1	2,509,554	2,509,554	1		1	3,000,000	3,000,000	1		1	7,000,000	7,000,000
42	O.T (04)	BED SIDE PATIENT MONITOR	2	12	0	441,000	-	2	12	0	441,000	-	2	12	0	550,000	-	2	12	0	1,200,000	-
43		Defibrillator	2	2	0	308,713	-	2	2	0	308,713	-	2	2	0	650,000	-	2	2	0	800,000	-
44		Electrosurgical Unit	1		1	507,530	507,530	1		1	507,530	507,530	1		1	700,000	700,000	1		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		Ceiling Operating Light	1	2	0	413,013	-	1	2	0	413,013	-	1	2	0	800,000	-	1	2	0	950,000	-
47		STEAM STERILIZER	1		1	3,465,000	3,465,000	1		1	3,465,000	3,465,000	1		1	4,000,000	4,000,000	1		1	7,800,000	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		2	244,733	489,466	2		2	244,733	489,466	2		2	400,000	800,000	2		2	600,000	1,200,000
50		mayo table	4		4	21,000	84,000	4		4	21,000	84,000	4		4	23,000	92,000	4		4	23,000	92,000
51		MOBILE OPERATING LIGHT	1		1	304,220	304,220	1		1	304,220	304,220	1		1	400,000	400,000	1		1	900,000	900,000
52	Orthopedic	Operation Table	0		0	1,426,215	-	0		0	1,426,215	-	0		0	2,000,000	-	0		0	5,000,000	-
53		ORTHOPEDIC DRILL	0		0	1,108,740	-	0		0	1,108,740	-	0		0	1,500,000	-	0		0	4,000,000	-
54		Plaster Cutting Pneumatic	1		1	276,250	276,250	1		1	276,250	276,250	1		1	450,000	450,000	1		1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0		0	262,500	-	0		0	262,500	-	0		0	262,500	-	0		0	300,000	-
56		Orthopedic Instruments	0		0	432,623	-	0		0	432,623	-	0		0	550,000	-	0		0	550,000	-
57		Portable/Mobile Ultrasound	1	2	0	1,418,958	-	1	2	0	1,418,958	-	1	2	0	1,500,000	-	1	2	0	2,400,000	-
58		Autoclave	1		1	441,000	441,000	1		1	441,000	441,000	1		1	550,000	550,000	1		1	850,000	850,000

Medical Equipment

Sr. No.	Area	Name of Equipment	Original					1st Revised					2nd Revised					3rd Revised				
			Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	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		10	31,500	315,000	10		10	31,500	315,000	10		10	40,000	400,000	10		10	65,000	650,000
60		Delivery Table	2		2	47,250	94,500	2		2	47,250	94,500	2		2	47,250	94,500	2		2	55,000	110,000
61		BED SIDE PATIENT MONITOR	2		2	294,000	588,000	2		2	294,000	588,000	2		2	550,000	1,100,000	2		2	1,200,000	2,400,000
62		D & C Set	2		2	34,650	69,300	2		2	34,650	69,300	2		2	40,000	80,000	2		2	60,000	120,000
63		Vacume Extractor	1		1	259,350	259,350	1		1	259,350	259,350	1		1	300,000	300,000	1		1	350,000	350,000
64		CTG Machine	1		1	628,049	628,049	1		1	628,049	628,049	1		1	725,000	725,000	1		1	900,000	900,000
65		ECG Machine Three Channel	1		1	169,785	169,785	1		1	169,785	169,785	1		1	180,000	180,000	1		1	300,000	300,000
66		Portable O.T Light	2		2	304,220	608,440	2		2	304,220	608,440	2		2	400,000	800,000	2		2	900,000	1,800,000
67	Surgical Emergency (10 beds)	Baby Cot	2		2	14,669	29,337	2		2	14,669	29,337	2		2	16,000	32,000	2		2	16,000	32,000
68		Delivery trolley	2		2	47,250	94,500	2		2	47,250	94,500	2		2	47,250	94,500	2		2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1		1	144,375	144,375	1		1	144,375	144,375	1		1	175,000	175,000	1		1	200,000	200,000
70		Steam Sterilizer	0		0	3,355,849	-	0		0	3,355,849	-	0		0	4,000,000	-	0		0	7,800,000	-
71		Operation Table	0		0	1,426,215	-	0		0	1,426,215	-	0		0	2,000,000	-	0		0	2,500,000	-
72		MOBILE OPERATING LIGHT	0		0	285,466	-	0		0	285,466	-	0		0	400,000	-	0		0	900,000	-
73		Suction Pump	0		0	259,350	-	0		0	259,350	-	0		0	275,000	-	0		0	300,000	-
74		Laryngoscope	0		0	9,744	-	0		0	9,744	-	0		0	12,000	-	0		0	20,000	-
75	Others	Set of Surgical Instruments	0		0	141,750	-	0		0	141,750	-	0		0	160,000	-	0		0	220,000	-
76		Stretcher	10		10	68,250	682,500	10		10	68,250	682,500	10		10	69,300	693,000	10		10	69,300	693,000
77		wheel chair	10		10	31,500	315,000	10		10	31,500	315,000	10		10	35,000	350,000	10		10	35,000	350,000
78		foot support	6		6	4,200	25,200	6		6	4,200	25,200	6		6	4,500	27,000	6		6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5		5	237,618	1,188,091	5		5	237,618	1,188,091	5		5	400,000	2,000,000	5		5	600,000	3,000,000
80		BP Appratus	15		15	15,750	236,250	15		15	15,750	236,250	15		15	16,000	240,000	15		15	16,000	240,000
81		Ventilator	0	1	0	2,195,080	-	0	1	0	2,195,080	-	0	1	0	3,500,000	-	0	1	0	5,500,000	-
82		CPAP	1		1	1,098,510	1,098,510	1		1	1,098,510	1,098,510	1		1	2,100,000	2,100,000	1		1	2,800,000	2,800,000
83	ICU	X-RAY PROCESSOR	1		1	858,440	858,440	1		1	858,440	858,440	1		1	925,000	925,000	1		1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2		2	94,500	189,000	2		2	94,500	189,000	2		2	100,000	200,000	2		2	140,000	280,000
85		Image Intensifier	0		0	4,667,460	-	0		0	4,667,460	-	0		0	4,667,460	-	0		0	12,000,000	-
86		Central Medical Gass Pipe Line System	7		7	850,000	5,950,000	7		7	850,000	5,950,000	7		7	-	-	7		7	-	-
87		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 trolley 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		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
91	MORTUARY	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	Dental Unit	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 TROLLEY 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, paed	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		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	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	Beds	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					51,137,857					51,137,857					65,649,750					97,236,638
							51.138					51.138					65.650					97.237

Electricity

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (630 KVA)	-	-	-	-	-	-	-	-	-	1	5,000,000	5,000,000
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	0	450,000	-	0	450,000	-
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	0	55,500	-	0	55,500	-	0	55,500	-	0	55,500	-
7	2 Ton air conditioners (Cabinet)	51	78,000	3,978,000	51	78,000	3,978,000	51	78,000	3,978,000	51	78,000	3,978,000
8	4 Ton air conditioners (Cabinet)	10	120,000	1,200,000	10	120,000	1,200,000	10	120,000	1,200,000	10	120,000	1,200,000
9	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	40	3,280	131,200	40	3,280	131,200	40	3,280	131,200	40	3,280	131,200
12	Dual Connection of Electricity / Express Line	1	5,095,300	5,095,300	1	5,095,300	5,095,300	1	5,000,000	5,000,000	1	5,000,000	5,000,000
Total				14,017,000			14,017,000			13,471,700			18,471,700
				14.017			14.017			13.472			18.472

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

Sr. No.	Item Name	Original			1st Revised			2nd Revised			3rd Revised		
		Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60000	480,000
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	125000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	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			13,503,500			13,503,500			13,503,500			18,787,500
				13.504			13.504			13.504			18.788

Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	9,889	59,334	6	9,889	59,334	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,046	54,276	6	9,046	54,276	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	109,939	109,939	1	109,939	109,939	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,126	141,260	10	14,126	141,260	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	21,984	21,984	1	21,984	21,984	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,473	29,473	1	29,473	29,473	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,396	36,396	1	36,396	36,396	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,200	44,200	1	44,200	44,200	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,607	51,607	1	51,607	51,607	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,763	23,289	3	7,763	23,289	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,133	276,798	6	46,133	276,798	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	40,251	80,502	2	40,251	80,502	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	88,808	444,040	5	88,808	444,040	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,616	338,080	5	67,616	338,080	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,077	200,308	4	50,077	200,308	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	50,657	202,628	4	50,657	202,628	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,809	89,663	7	12,809	89,663	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,681	73,620	20	3,681	73,620	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	847	84,700	100	847	84,700	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,390	139,000	100	1,390	139,000	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,528	176,400	50	3,528	176,400	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,796	17,960	10	1,796	17,960	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,242	12,420	10	1,242	12,420	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,379	47,580	20	2,379	47,580	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,609	103,045	5	20,609	103,045	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,124	53,100	25	2,124	53,100	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	639	3,195	5	639	3,195	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,117	11,170	10	1,117	11,170	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	868	13,020	15	868	13,020	15	1,225	18,375	15	1,225	18,375
		Total			2,938,987			2,938,987			4,146,482			4,146,482
		Designing and Site Supervision			88,170			88,170			124,394			124,394
		Grand Total			3,027,157			3,027,157			4,270,877			4,270,877
					3.027			3.027			4.271			4.271

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

DAY CARE CENTER													
Yard Stick as per Women Development Department													
Sr. No.	ITEMS	Original			1st Revised			2nd Revised			3rd Revised		
		Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
77	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pal Teether	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Fun Rattle	15	400	6,000	15	400	6,000	15	400	6,000	15	400	6,000
80	Mother feeding Chair	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
81	Soft Books (duplication)	20	500	10,000	20	500	10,000	20	500	10,000	20	500	10,000
82	Bottle Brushes	3	300	900	3	300	900	3	300	900	3	300	900
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
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 Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17.220				17.220				28.140					40.473
	Utilization of HR Component								11.570				16.61					
	Total of HR Component												39.71					57.087

Janitorial Services

	Original			From 1st Revised to onward
Assumptions				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	18,545	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	2	Persons		
Road and ROW area	27,986	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	5	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	2	Persons		
Total sweeper in morning shift	6	Persons		
Total number of sweepers in evening shift	4	Persons		
Total number of sweepers in night shift	3	Persons		
Total number of sweepers in all shifts	13	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	13	22,000	3,487,176	
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)			10,015,176	
			10.015	

Security and Parking

		Original			From 1st Revised to onward
Assumptions					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	18,545				
Covered Area per guard	15,000				
Number of guards	1				
Open area excluding parking area	27,986				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	2				
Number of gates	2				
Number of guards at gates	4				
Total No of Guard	7				
Total number of all guards for second shift	4				
Lady Searcher	2				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	13				
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	4	21,525	86,100	1,033,200	
Civilian	7	21,000	147,000	1,764,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				4,422,600	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000	
Sub total				400,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				4,322,600	
				4.323	

Laundry Services

		Original		From 1st Revised to onward
Number of beds		40		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.
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	

Maintenance of Generator

				From 1st Revised to onward
Original				<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&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.</p>
Item Name	Quantity	Cost per year	Total Cost	
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	2	300,000	600,000	
Number of Generators (50 KVA)	-	175,000	-	
Repairs Cost	1	600,000	600,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			2,520,000	
				2.520

MEP

	Original				From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	90	6,665	599,850	599,850	
Fridge	2	4,000	8,000	8,000	
UPS	12	8,000	96,000	96,000	
Water Cooler	15	4,000	60,000	60,000	
Exhaust	7	3,000	21,000	21,000	
Geyser	15	4,000	60,000	60,000	
Water Pump	3	3,000	9,000	9,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				1,228,850	
General Total				3,832,850	
				3.833	

Medical Gases

		Original				From 1st Revised to onward
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					1,304,400	
					1.304	

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

Cafeteria				
Pre-Fabrication Cateen (Procurement)				
		Original		From 1st Revised to onward
24	Kitching Fixtures			802,000
Grand Total Amount (Rs)				6,742,856

6.743

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original			From 1st Revised to onward	
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
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	1,355	22	29,810	
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	1,858	7	13,006	
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	2,323	11.25	26,134	
1.4	TREE / SHRUBS (SPREADING)					
	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	9	1,500	13,500	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amesttal, Pilken, Palms etc.	No's	2	270	540	
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	10	600	6,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	845	69	58,305	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Variegated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestrophia Thai etc	No's	133	195	25,935	
1.6	GROUND COVERS					
	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.					

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
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	1,355	22	29,810
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	1,858	7	13,006
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	2,323	11.25	26,134
1.4	TREE / SHRUBS (SPREADING)				
	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	9	1,500	13,500
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestai, Pilken, Palms etc.	No's	2	270	540
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	10	600	6,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	845	69	58,305
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	902	12	10,824
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	1	3,675	3,675
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	1	1,800	1,800
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	5	195	975
2	HARD LANDSCAPE				
2.1	WALK WAYS				
a	Excavation of walkways and edging including brick ballast under 12"x14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	186	150	27,900
2.2	BENCHES				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	14,698	14,698
2.3	DUSTBINS				

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.

LANDSCAPE DEVELOPMENT WORKS					
COST ESTIMATE					
		Original			From 1st Revised to onward
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.
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	1,355	22	29,810
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	1,858	7	13,006
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	2,323	11.25	26,134
1.4	TREE / SHRUBS (SPREADING)				
	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	9	1,500	13,500
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amestall, Pilken, Palms etc.	No's	2	270	540
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	10	600	6,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagress, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	845	69	58,305
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	27,700	27,700
2.4	PLAYING EQUIPMENTS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939
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	1	3,850	3,850
2.6	WATER POINTS (Injector Pump 1HP)	No's	1	45,000	45,000
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	4,646	9.00	41,814
4	CONSTRUCTION OF PLANTERS				
	Large Size				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	18	550	9,900
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	2	550	1,100
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	4	550	2,200
5	GAZEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	Total Amount of - Landscaping				1,143,980
	PRA(16%)				183,037
	Design Consultancy				100,000
	TPV (3%)				34,319

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.

LANDSCAPE DEVELOPMENT WORKS						
COST ESTIMATE						
		Original			From 1st Revised to onward	
Sr. No.	Description	Unit	Quantity	Unit Rate Rs.	Amount Rs.	
1	SOFT LANDSCAPE					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&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".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
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	1,355	22	29,810	
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 conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	1,858	7	13,006	
b	GRASSING (NEW LAWNS)					
	Providing and dibbing of Fine Dacca grass, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	2,323	11.25	26,134	
1.4	TREE / SHRUBS (SPREADING)					
	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	9	1,500	13,500	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspss, Pine, Ficus Amesttal, Pilken, Palms etc.	No's	2	270	540	
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	10	600	6,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Variegated, Hibiscus Variegated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	845	69	58,305	
Grand Total					1,461,336	
					1.461	

Original

COMMUNICATION & WORKS DEPARTMENT

BUILDINGS DIVISION # 1
MULTAN

AMENDED ROUGH COST ESTIMATE
PROGRAMME FOR REVAMPING OF ALL
THQ HOSPITALS IN PUNJAB ONE AT
GOVERNMENT CIVIL HOSPITAL MULTAN
(ADP NO. 658 / 2022-23).

SUB-DIVISIONAL OFFICER
BUILDINGS SUB-DIVISION # 01
MULTAN

Estimated cost
RS = ~~49.498~~ (M)

47.467 (M)

Original

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AMENDED ROUGH COST ESTIMATE
PROGRAMME FOR REVAMPING OF ALL
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SUB-DIVISIONAL OFFICER
BUILDINGS SUB-DIVISION # 01
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Estimated cost
RS = ~~49.498~~ (M)
47.467 (M)

AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN (ADP NO. 658 / 2022-23)

02

HISTORY /REPORT:

Government of Punjab is focusing to provide best health facilities to the people of Punjab. The Civil Hospital is situated in a thick populated area. The people Doctors and Paramedical staff are facing great inconvenience due to lack of facilities. Keeping in view the acute requirement of the people of this area, The Worthy Chief Minister Punjab directed for revamping of Existing Civil Hospitals / Town Hospitals in the Punjab PMU Health has provided scope of work. Accordingly, after detailed survey of site along with concerned focal person of Hospital. The estimate was framed amounting to Rs: ~~67.143~~ ^{67.143} (M) after approval from competent authority vide Letter No.PO(D-II)1-237/2021 Dated: 09-07-2021 after that again visit arranged by PMU Officials and made changing in Revamping Scope of Work now this amended rough cost estimate framed according to instructions given by PMU Officials amounting to Rs. ~~49.498~~ ^{47.467} (M) and submitted for approval.

DESIGN /SCOPE:

The drawings prepared by the Director Architecture Multan has been adopted and the scope of work is as under: -

Main Building

1. Improvement of Floor / Skirting
2. Replacement of Iron window with Aluminum Window
3. Replacement of broken solid flush door
4. Uplifting of Facade by providing Weather Shields Paint
5. Re-laying of roof treatment and replacement of rain water down pipe
6. Removing of old wiring / Pipe and re-laying of internal water supply / sanitary & Electric wiring / piping
7. Replacement of damaged plaster with new plaster
8. Over all Distempering / Emulsion Painting of wall
9. Replacement damaged external sewerage, Water supply
10. Replacement of damaged floor of plinth protection
11. Improvement of outer boundary wall
12. Addition of room with Operation Theater for facilities of operation theater additional of electric room and panel for safety of the system.
13. Installation of RO Plant

SPECIFICATIONS:

The work will be carried out according to the Punjab Buildings Department specification and entire satisfaction of the Engineer In charge

d

SCOPE OF WORK FOR REVAMPING OF HEALTH FACILITY CIVIL HOSPITAL MULTAN (OLD HOSPITAL BUILDING) DISTRICT
MULTAN

Sr No	Item	OPD BLOCK	Diagnostic Block (X-Ray, lab), OT and Indoor Block	Remarks
	Porcelain Floor Tile replacement	All floor tiles full body porcelain needs to be fixed in entire OPD Block main/side corridor and inside all rooms/offices. Note Inside all rooms/offices where Terrazo flooring exists at present full body porcelain tiles need to be fixed in these all rooms/offices.	All floor tiles full body porcelain needs to be fixed in entire diagnostic and Indoor block in main and inner corridor and in X-Ray Room and Lab. Note Inside all rooms/offices where Terrazo flooring exists at present full body porcelain floor tiles need to be fixed in these all rooms. Note No floor tiles to be fixed inside General OT and Eye OT.	Tiles specifications, brand, size and Installation will be as per specified C&W standards.
2	Porcelain Wall Tile replacement	All wall/dado tiles full body porcelain needs to be fixed in entire OPD Block in main/side corridor and inside all rooms/offices. Note Wall/dado must be upto 6 ft. in corridor and inside wards. Skirting level must be 6" inside rooms/offices.	All wall/dado tiles full body porcelain needs to be fixed in entire diagnostic and Indoor block in main and inner corridor and in X-Ray Room and Lab up to height of 6ft. Note Inside all rooms/offices where Terrazo flooring exists at present full body porcelain skirting of 6" only needs to be fixed. Note No wall/dado tiles to be fixed inside General OT and Eye OT. Note Wall/dado must be upto 6 ft. in corridor and inside wards. Skirting level must be 6" inside rooms/offices.	Tiles specifications, brand, size and Installation will be as per specified C&W standards.
3	Wooden Doors flush or Solid/ Main Doors and Aluminum Doors	Damaged doors in OPD needs to be replaced with new wooden doors. Doors in good condition needs to be retained and only needs to be repainted/repolished. Main Entrance door of OPD Block needs to be replaced with Aluminum door. Note Entrance doors of all wards need to be replaced with Aluminum doors.	All damaged doors in Diagnostic and Indoor block needs to be replaced with new wooden doors. Entrance and exit doors of all wards need to be replaced with Aluminum doors half solid and half glazed glass door. Entrance doors of 2 x OT's need to be replaced with wooden double hinged door with half SS plate fixed on it.	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ Windows on Façade	All cemented windows to have new mesh fixed on them.	All cemented windows to have new mesh fixed on them.	Specifications will be as per C&W standards.

5	Existing Internal Windows	All Existing MS internal windows need to be replaced with Aluminium Windows. MS Windows at façade and inside rooms/offices other than Aluminum windows need to be replaced with Aluminum windows.	All Existing MS internal windows need to be replaced with Aluminium Windows. MS Windows at façade and inside rooms/offices other than Aluminum windows need to be replaced with Aluminum windows. All windows inside wards need to be replaced with Aluminum windows. All windows inside OT opening outside needs to be closed by doing brick work followed by plaster and paint works.	Specifications, Aluminum and glass color will be as per specified C&W Standards
6	Internal Electric fittings	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans 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.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans 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.
7	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	Model Specifications/ Brands and distance should be as per specified C&W Standards.
8	Revamping of Public Toilets	Patient/Attendant washrooms in OPD Block needs 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 (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All Patient/Attendant washrooms in Diagnostic Block and Indoor Block needs 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 (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	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.
9	Wall Paint	Surface of walls of OPD & Admin Block 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.	Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards.
10	Roof Treatment	Required as per C&W standards.	Required as per C&W standards	
11	Nursing Counter (Ward)	Not required.	Nursing counter will be provided upto 2.5' height with granite/ marble on top as per C&W standards.	
12	Stairs - Marble and Railing	Not required.	Not Required.	Marble/Granite type and installation technique will be as per C&W Standards.
13	Entrance	On all Entrances of OPD Block on Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.	
14	Ramps - Tile and Railing	2 x Ramps at Entrance of OPD needs to have Antiskid tiles fixed on it with SS railing.	Antiskid tiles need to be fixed on ramp at entrance with SS Railing fixed on it.	



Primary & Secondary
Healthcare Department

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

ORDER

No.PO(D-II)1-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 29.09.2021, the Governor of the Punjab is pleased to accord 2nd revised Administrative Approval of 10 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" at cost mentioned against each sub-scheme, with revised gestation period upto 30.06.2023:

Rs. in Millions

Sr. No.	Sub-Scheme Title	2 nd Revised Cost		
		Capital Component	Revenue Component	Total
1	Revamping of THQ Hospital, Kahuta District Rawalpindi	37.709	199.102	236.811
2	Revamping of THQ Hospital, Gujar Khan District Rawalpindi	37.256	174.999	212.255
3	Revamping of THQ Hospital, Taxila District Rawalpindi	41.278	203.228	244.506
4	Revamping of THQ Hospital, Mian Meer Lahore Cantt. District Lahore	44.697	192.796	237.493
5	Revamping of THQ Hospital, Govt. Civil Hospital Multan	67.143	200.403	267.546
6	Revamping of THQ Hospital, Khanpur District Rahim Yar Khan	154.238	208.777	363.015
7	Revamping of THQ Hospital, Liaquatpur District Rahim Yar Khan	44.187	192.016	236.203
8	Revamping of THQ Hospital, Sadiqabad District Rahim Yar Khan	42.007	218.902	260.909
9	Revamping of THQ Hospital Sarai Alamgir District Gujrat	14.875	195.653	210.528
10	Revamping of Civil Hospital Fort Munro District D G Khan	48.097	218.014	266.111

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

Capital Component

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

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

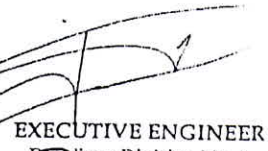
Page 1 of 2

CHECK LIST OF ROUGH COST ESTIMATE FOR VETTING

Sr. No.	Description	Status of Information / Documents	Remarks
1-	ADP No.		
2-	Allocation		
Certified that the following information /documents have been provided / attached with the estimate.			
3-	Lay-Out Plan	Yes	
	a. Prepared by Architecture Department		
	b. Approved by the Client Department	Yes	
4-	Detailed working drawings	Yes	
	a. As per reference of approved lay-out plan		
	b. Approved by the client department	Yes	
	c.		
5-	Soil Investigation Report y BRS	----	
6-	Structural design by the Director (P&D)	----	
7-	Analysis of non-standardized item rates dully signed by the S.E	Yes	
8-	X-Section of foundation showing NSL, RL & PL	Yes	
9-	Extra Provisions	----	
	a. Strip foundation		
	b. Frame structure	----	
	c. Raft foundation	----	
	d. Deep foundation	----	
	e. Extra Height	----	
10-	MRS for Bi-Annual	2 nd Bi-Annual 2021	


SUB ENGINEER


SUB DIVISIONAL OFFICER
Buildings Sub Division No. I
MULTAN


EXECUTIVE ENGINEER
Buildings Division No. I
MULTAN

REVAMPING OF CIVIL HOSPITAL MULTAN

(Abstract of Cost)

1-	Main Building	=	Rs:	55929466	P-39
2-	Cost of Dismantling	=	Rs:	803111	P-19
3-	External Development	=	Rs:	5235000	P-41
4-	Recovery of Old Material	=	Rs:	-369209	P-40
			Total	Rs:	61598368
	Add 01% Horticulture Charges	=	Rs:	615984	
	Add 03% Contegency	=	Rs:	1847951	
	Add 05% PRA	=	Rs:	3079918	
			Total:	Rs:	67142221
			Say:	Rs:	67142000
			Or:	Rs:	67.142

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
Multan

Superintending Engineer
Building Circle Multan

ROUGH COST ESTIMATE FOR REVAMPING OF CIVIL HOSPITAL MULTAN

(GENERAL ABSTRACT OF COST)

Sr No	Description of Items	Covered Area	Unit	Rate Rate	L.I	P.H	S.G	Total Rate	Amount	Remarks
1	Cost of Dismantling	1 Job	P Job	803,111				803,111	803,111	Detail checked P-19
2	Cost of Revamping	1 Job	P Job	7,158,485				7,158,485	7,158,485	-do- P-39
3	Addition of Electric Room (115x10)	150 sq	P Sq	2,362.00	110			2,362.00	34,900	Thick Area
4	Addition of Operation Theater (50x24)	1,200 sq	P Sq	2,596.00	110	76	39	2,596.00	3,115,200	-do-
5	Main Building	16,400 sq	P Sq		110	76	39	227.00	3,790,100	-do-
6	Main Building Power Wiring	17,650 sq	P Sq	350.00				350.00	6,177,500	
7	Making And Fixing Of Ear Parking Shed (Cantilever Type) Consisting Of Fiber Glass Sheet Roof 3mm Thick Fixed / Reversed With Moulded Arches Type Frame Comprising Of 1-1/2"x1-1/2" & 1-1/2"x3" Ms Box 10-Swg As Per Drawing I/C Fixing / Welded Frame Supported On Cantilever Arch Type Ms Pipe 3 Dia Arms Welded With Main Post Ms Pipe 8" Dia To Be Assembling, Bending As Per Drawing, Welding / Grinding Of Joints And Painting O3 Coats Complete In All Respects As Approved By The Engineer Incharge	2,760 sq	P Sq	875.00				875.00	2,415,000	Per Analysis Attached
10	Provision of Nurse Call System	17,500 sq	P Sq	50.00				50.00	875,000	P.S
11	Provision of C.C.TV System	17,500 sq	P Sq	50.00				50.00	875,000	P.S

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Sl. No.	Description of Items	Covered Area	Unit	Basic Rate	E.I	P.H	S.G	Total Rate	Amount	Remarks
7	P Fixing Brass Sliding Bolt									
8	6" long	25 Nos	Each	540.00				540.00	13,750	
9	Providing and Fixing M.S grill consisting of 1" x 1" 18-SWG M.S square top frame with 2 rows of horizontal & equal dividing rails, vertically in the same frame and 1/8" x 3/8" M.S square bars 5" c/c welded to each an other & frame horizontally / vertically as per approved drawing and design in windows, hold fast, grouting hold fast in cement concrete (1:2:4) and enamel painting 3-coats with red oxide paint complete in all respect as approved and directed by the Engineer Incharge.	1.818 Sft	P Sft	508.00				508.00	921,544	Rate Analysis Attached
10	Filling of Expansion Joint upto average 1-1/2" wide and 3/4" deep with Polyurethane Sealer ie backup support of Polythene Foam /Non-Pouring Skin backup rod and preparing surface for sealer by applying primer ie all costs of material and labor etc complete in all respects.	125 Rft	P Rft	630.00				630.00	77,490	Rate Analysis Attached
11	Providing And Fixing Glazed Door 12-Mm Thick Tempered Glass Both Side Laminated And Glass paper for invisibility and Fixed In Top And Bottom Aluminium Rail Of Required Size And Thickness I.C. Handles, Hinges Locking Arrangement Etc Complete In All Respects And As Approved By The Engineer Incharge.	1,295 Sft	P Sft	1150.00				1150.00	1,489,256	Rate Analysis Attached
12	P/L Porcelain Tile Flooring 24"X24" / 4 Sft (600x600-mm) Area Granite Master (Carrera Series) with Polished (Light Colour) Class SB Laid Over Cement Mortar (1:2) 3/4" Thick And Jointed With White Cement And Matching Pigment Etc Complete As Approved By The Engineer Incharge.	13,441 Sft	P Sft	288.00				288.00	3,871,872	Rate Analysis Attached
13	P/L Porcelain Tile Dado / Skirting 24"X24" 4 Sft (600x600-mm) area Granite Master (Carrera Series) with Polished (Light Colour) Class SB Laid Over Cement Mortar (1:2) 1/2" Thick And Jointed With White Cement And Matching Pigment Etc Complete As Approved By The Engineer Incharge.	18,277 Sft	P Sft	305.00				305.00	5,574,621	Rate Analysis Attached
14	Providing And Laying Non-Slippery Porcelain Tiles Checker Tile Flooring (12"X12" Size) Light Polished SB Laid Over Cement Sand Mortar (Ratio 1:2) 3/4" Thick D/C Filling Joints With White Cement, Complete In All Respects And As Approved By The Engineer Incharge.	170 Sft	P Sft	200.00				200.00	34,000	Rate Analysis Attached
15	P/L Ceramic (Matu/Glazed) Tiles Master or Equivalent For Flooring size 12"x16" / 3 Sft. Area laid over 3/4" thick cement sand mortar (1:2) ie filling joints in white cement and matching pigment ie cutting charges complete in all respect as Approved & Directed by the Engineer Incharge.	833 Sft	P Sft	318.00				318.00	264,894	Rate Analysis Attached
16	P/L Ceramic (Matu/Glazed) Tiles Master or Equivalent For Dado/Skirting size 12"x36" / 3 Sft. Area laid over 1/2" thick cement sand mortar (1:2) ie filling joints in white cement and matching pigment ie cutting charges complete in all respect as Approved & Directed by the Engineer Incharge.	3,932 Sft	P Sft	338.00				338.00	1,328,996	Rate Analysis Attached

Sr. No.	Description of Items	Correct Area	Unit	Base Rate	E.I	P.H	S.G	Total Rate	Amount	Remarks
12	Provision of Fire Alarm System	17.580 SQ	P SQ	50.00				50.00	875,000	L.S
13	Provision of Fire Fighting System	17.580 SQ	P SQ	50.00				50.00	875,000	L.S
14	Provision of Telephone Networking System	17.580 SQ	P SQ	50.00				50.00	875,000	L.S
15	Provision of Main Exit Gate and Gate Pillars	1 No.	Each	447,000.00				447,000.00	447,000	Detail Attached
Additional Items										
1	Providing and fitting all types of glazed aluminium windows of modified bronze colour partly fixed and partly sliding using deflex sections of approved manufacturer having frame size of 100 x 20 mm (4" x 3/4") and end frame sections of 50 x 20 mm (2" x 3/4") all of 6mm thickness including 5 mm thick untempered tinted glass with rubber gasket using approved standard bushes, hardware etc. as approved by the architect in-charge.	1.818 SQ	P SQ	507.05				507.05	921,817	MRS Item
2	Add Extra for Providing and fitting Aluminium fly screen comprising of Fibre /Aluminium wire gauze (Mylarum) fixed in aluminium frame of approved manufacturer knowsize Colours / powder coated of size 1412"x12" and 16mm thick with rubber gasket to cost of hardware as approved and directed by the architect in-charge.	1.818 SQ	P SQ	332.15				332.15	603,819	MRS Item
3	Providing and fitting Ash wood door having 1412"x12" (400mm) vertical and horizontal double pane with 15% (400mm) full width of pane beam at 12" (300mm) including filling of hollow space in between with 13/16 P.C.C. having 0.01 of approved quality there upon & hold tests with bedding 15% sample in concrete.	1.411 SQ	P SQ	700.00				700.00	987,700	Rate Analysis Attached
4	Providing and Laying Insulation material of Expanded Polystyrene XPS in Right Insulation / Foam Board on roof or walls. Density 25-38kg/M ³ , compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption 1% by volume, cell structure closed cell) to ceiling and placing in position complete in all respects. 1312" thick	10.798 SQ	SQ	8466.00				8466.00	914,159	MRS Item
5	P & 1-1/2" Thick Ash Wood Engineered Door Leaf With Style And Panel In best Finished With Polished and Handle Lock Door Handle and Tower Bolt as required For Complete As Approved By The Engineer In-charge	1.319 SQ	P SQ	2660.00				2660.00	3,591,710	Rate Analysis Attached
6	Making And Fitting Five Doors 1-1/2" Thick Consisting Of Five Frame And Five Leaves J.C Hinges Complete In All Respects As Approved Design Toler By The Engineer In-charge	438 SQ	P SQ	700.00				700.00	306,600	Rate Analysis Attached

Sl. No.	Description of Items	Covered Item	Unit	Rate per	L.I.	P.H.	S.G.	Total Rate	Amount	Remarks
25	Providing And Laying Anti-Scale Self Levelling Pcc MRP (concrete type) Paving : (Made Imported) In And Around Work All Vertical Components Above And Carriage Charges Etc As Approved By The Engineer In Charge	142 SQ	SQ	811.00				811.00	285,228	Rate Analysis Attached
26	Providing And Fixing Lead Sheet In X-Ray Room 102 (Mini Truck) Pcc To Siding And Covering Heads With Lead Pcc complete In All Regions And As Approved By The Engineer In Charge	888 SQ	SQ	166.00				148,500	128,008	Rate Analysis Attached
27	Supply, installation and commissioning of Main Frame Board (MRFB) made of sheet steel 14 SWG, totally enclosed, indoor wall mounting type including all auxiliaries, internal wiring from MRFB terminating on cable terminals blocks installed at the top of MRFB : designation (sheet of all wiring and outgoing feeders as shown on the drawings, earthing bar, suitable bar, suitable for system voltage 415 V, 50 Hz, 3 phase, neutral and earthing conductors made of 90 sq. mm electrolytic copper of under mentioned capacities. Body of MRFB shall be depressed and de-rusted having one coat of primer paint with Duron 2 coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all regions and acceptance with the latest BS codes and conforming to single line diagram. Rated current of Main & Neutral Bus Bar rated at 50 degree centigrade All Breakers to be installed shall be of one make only and not mixture of two manufacturers. Make C.B. Schneider (Europe) (S.A.) MG. (Made in France) Mitsubishi and Terasaki (Made in Japan/Spain) ABB. Legrand. Rated less than 25 k.A for incoming outgoing Breakers and for busbar installed in the Panel	1 No	Each	1182503.41				1182503.41	1,182,503	Rate Analysis Attached
28	L.T. sub-main panel board (L.T. sub-panel) with all installation and operational accessories as per site requirements, as per tender specifications, drawings and as directed by the Engineer	1 No	Each	244494.88				244494.88	244,495	Rate Analysis Attached
29	L.T. sub-main panel board (Power) : (SMRP) with all installation and operational accessories as per site requirements, as per tender specifications, drawings and as directed by the Engineer	1 No	Each	132201.88				132201.88	990,606	Rate Analysis Attached

TOTAL 56,755,917
 Deduct Cost of Old Machine (-)
 NET 56,386,708

13/05/2020
 56,386,708

Sr. No.	Description of Items	Covered Area	Unit	Basic Rate	E.I	P.H	SG	Total Rate	Amount	Remarks
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External Development

TOTAL:

5,235,000

61,621,708

1,848,651

3,081,085

616,217

67,167,662

67,167,662 Million

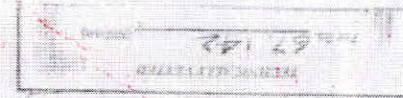
Add 01% Horticulture

Add 05% PRA

Add 05% Contingency

SAVE

TOTAL



SUB-ENGINEER

SUB-DIVISIONAL OFFICER

Buildings Sub-Division No. 1

MULTAN

EXECUTIVE ENGINEER

Buildings Division No. 1

MULTAN

SUPERINTENDING ENGINEER

Buildings Circle

MULTAN

AMENDED **ROUGH COST ESTIMATE FOR REVAMPING OF CIVIL HOSPITAL MULTAN**
(ADP # 658 / 2022-23)
(GENERAL ABSTRACT OF COST)

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
1	Cost of Dismantling	1 Job	P.Job	803,111	803,111	1	P.Job	870,190	870,190	67,080	0.00	Detail attached
2	Cost of Revamping (MRS Items)	1 Job	P.Job	7,135,145	7,135,145	1	P.Job	3,685,931	3,685,931	0.00	3,449,214	--do--
3	Addition of Electric Room (15x10)	150 Sft	P.Sft	2,362.00	354,300	190	P.Sft	3,832	727,122	372,822	0.00	Plinth Area
4	Addition of Filtration Plant Room	0 Sft	P.Sft	-	-	246	P.Sft	3,925	967,022	967,022	0.00	
5	Operation Theater	1,200 Sft	P.Sft	2,596.00	3,115,200	500	P.Sft	3,968	1,984,000	0.00	1,131,200	--do--
6	Main Building (E.I & P.H)	16,300 Sft	P.Sft	227.00	3,700,100	16,300	P.Sft	347	5,656,100	1,956,000	0.00	--do--
8	Main Building Power Wiring	17,650 Sft	P.Sft	350.00	6,177,500	16,990	P.Sft	450	7,645,388	1,467,888	0.00	
10	Making And Fixing Of Car Parking Shed (Cantilever Type) Consisting Of Fiber Glass Sheet Roof 3mm Thick Fixed /Revitted With Moulded Arches Type Frame Comprising Of 1-1/2"X1-1/2" & 1-1/2"X3" Ms Box 16-Swg As Per Drawing I/C Fixing /Welded Frame Supported On Cantilever Arch Type Ms Pipe 3" Dia Arms Welded With Main Post Ms Pipe Post 8" Dia To Be Assembling, Bending As Per Drawing, Welding /Grinding Of Joints And Painting 03-Coats Complete In All Respects As Approved By The Engineer Incharge	2,760 Sft	P.Sft	875.00	2,415,000	-	P.Sft	875	-	0.00	2,415,000	Rate Analysis Attached
10	Provision of Nurse Call System	17,500 Sft	P.Sft	50.00	875,000	-	P.Sft	50	-	0.00	875,000	L.S
11	Provision of C.C.TV System	17,500 Sft	P.Sft	50.00	875,000	-	P.Sft	50	-	0.00	875,000	L.S

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
12	Provision of Fire Alarm System	17,500 Sft	P.Sft	50.00	875,000	16,990	P.Sft	50	849,488	0.00	25,513	L.S
13	Provision of Fire Fighting System	17,500 Sft	P.Sft	50.00	875,000	-	P.Sft	50	-	0.00	875,000	L.S
14	Provision of Telephone Networking System	17,500 Sft	P.Sft	50.00	875,000	-	P.Sft	50	-	0.00	875,000	L.S
15	Provision of Main Ent Gate and Gate Pillars	1 No.	Each	447,000.00	447,000	-	Each	447,000	-	0.00	447,000	Detail Attached
15	Supply and installation of BP Plant 500-Litter per Hour Capacity i/c Storage Tank of 2000-Litter Capacity of approved manufacturer i/c cost of all labour & material complete in all respect as approved by the Engineer Incharge.	0 No.	Each	-	-	1	Each	296,400	296,400	296,400	0.00	Detail Attached
	Additional Items											P# 38
1	Providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x 60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm (70503) at sides, fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.	1,818 Sft	P.Sft	507.05	921,817	1,550	P.Sft	? 2,586.55	4,009,153	3,087,336	0.00	MRS Item P-209
2	Add Extra for Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of si ze 1-1/2"x1/2" and 1.6mm thick wi th rubber gasket i/c cost of Hardwares as approved and di rected by the engi neer incharge. compl ete in all respect	1,818 Sft	P.Sft	332.15	603,849	1,472	P.Sft	? 494.50	727,904	124,055	0.00	MRS Item P-208
3	Providing and fixing Ash wood dolly fram having 1½"x1½" (40x40mm) vertical and horizontal double posts with 1½"x½" (40x40mm full width of jamb braces at 12" (300mm) including filling of hollow space in between with 1:3:6 P.C.C. fixing of ply of approved quality there upon & hold fasts with bedding 3"x1" complete in respects.	1,411 Sft	P.Sft	700.00	987,700	-	P.Sft	700	-	0.00	987,700	
4	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect. 1-1/2" thick	10,798 Sft	%Sft	8466.00	914,159	-	%Sft	8,466	-	0.00	914,159	
5	P /F 1-1/2" Thick Ash Wood Engineered Door Leaf With Style And Panels In best Finished With Polished and Handle Lock, Door Hanle and Tower Bolt as required Etc Complete As Approved By The Engineer Incharge	1,339 Sft	P.Sft	2660.00	3,561,740	-	P.Sft	2,660	-	0.00	3,561,740	
6	Making And Fixing Pvc Doors 1-1/2" Thick Consisting Of Pvc Frame And Pvc Leaves I/C Hinges Complete In All Respects As Approved Design /Color By The Engineer Incharge	438 Sft	P.Sft	700.00	306,600	-	P.Sft	700	-	0.00	306,600	

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
7	P/F 3/4" dia heavy duty Brass sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.					-	-	-	-	0.00	0.00	
i)	6" long	25 Nos.	Each	550.00	13,750	-	Each	550	-	0.00	13,750	
ii)	10" long	0 Nos.	Each	0.00	-	23	Each	650	14,939	14,939	0.00	
8	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c 'passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8"MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars	1,818 Sft	P.Sft	508.00	923,544	1,550	P.Sft	864	1,338,813	415,269	0.00	
9	Filling of Expansion Joint upto average 1-1/2" wide and 3/4" deep with Polyurethane Sealer i/c backup support of Polythene Foam /Non-Pourus Skin backup rod and preparing surface for sealent by applying primer i/c all costs of material and labour etc complete in all respects	123 Rft	P.Rft	630.00	77,490	123	P.Rft	860	105,780	28,290	0.00	Rate Analysis Attached
10	Providing And Fixing Glazed Door 12-Mm Thick Tampered Glass Both Side Laminated And Glass paper for invisibilty and Fixed In Top And Bottom Aluminum Rail Of Required Size And Thickness I/C Handles, Hinges Locking Arrangement Etc Complete In All Respects And As Approved By The Engineer Incharge	1,295 Sft	P.Sft	1150.00	1,489,250	-	P.Sft	1,150	-	0.00	1,489,250	
11	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600 mm x 600 mm (24 " x 24") Flooring	13,444 Sft	P.Sft	288.00	3,871,872	10,674	P.Sft	342	3,649,441	0.00	222,431	P-73
12	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 1/2" thick(1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles (24 " x 12") Skirting/ Dado	18,277 Sft	P.Sft	305.00	5,574,624	11,654	P.Sft	342	3,984,503	0.00	1,590,122	P-73
13	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mmx300mm	170 Sft	P.Sft	200.00	34,000	170	P.Sft	213	36,202	2,202	0.00	P-73
14	Providing and laying superb quality Ceramic tile floors 12" x 36" of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design witha dhhesive bond, over 3/4"thick (1,2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding completein all respects and as approved and directed by the Engineer Incharge.	833 Sft	P.Sft	318.00	264,894	1,018	P.Sft	241	245,694	0.00	19,200	P-70

15

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
15	Providing and laying superb quality Ceramic tile dado 12" x 36" of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.	3,932 Sft	P.Sft	338.00	1,328,988	4,618	P.Sft	294	1,358,276	29,289	0.00	P-76
16	Providing and laying Prepolished Granite 3/4" thick of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. (for Stair Steps)	215 Sft	P.Sft	646.00	138,890	588	P.Sft	1,311	770,692	631,802	0.00	P-74
17	Providing and laying Prepolished Granite 1/2" thick of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed, complete in all respect as approved and directed by the Engineer Incharge. (for Stair Raiser/ Floor Dado)	97 Sft	P.Sft	343.00	33,271	262	P.Sft	1,185	310,391	277,120	0.00	P-74
18	Providing and Fixing 3/4" thick pre-polished marble slab Granite Black Best Quality full width area upto 4-Sft, laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement & matching pigment i/c beveling charges on exposed edges complete in all respect as Approved / Directed by the Engineer Incharge. (for Kitchen / Counter)	293 Sft	P.Sft	898.00	263,114	-	P.Sft	898	-	0.00	263,114	-
19	Providing and Fixing of False Ceiling consisting of laminated gypsum board (one side laminated) of size 600mmx600mmx9mm fixed on Tee 24mmx38mmx0.3mm @ 2'-0" c/c longitudinally 24mmx25mmx0.27mm (2-feet piece) inadvertently and angle 22mmx19mmx0.3mm at corners fixed with ceiling hanging system complete in all respect as per approved and drawing as directed by the Engineer Incharge.	11,294 Sft	P.Sft	85.00	959,990	-	P.Sft	85	-	0.00	959,990	
20	Supply and installation of Phillips or Equivalent, 13-Watt SMD/COB/LED Ceiling Light 5" dia of approved manufacturer i/c cost of all labour & material complete in all respect as approved by the Engineer Incharge.	376 Nos.	Each	1200.00	451,760	-	Each	1,200	-	0.00	451,760	
21	Providing and Fixing Stainless Steel Railing Comprising of 02" dia Stainless Steel Hand Rail and Vertical Post at 04' c/c and 1-1/2" dia s.s pipe clamp/catcher 04' c/c vertical and 03-Rows of 3/4" dia s.s pipe Horizontal etc i/c Foots /Heads and screws Complete in all respect.	93 Rft	P.Rft	2000.00	186,000	-	P.Rft	2,000	-	0.00	186,000	
22	Providing And Fixing Stainless Steel Pipe 2" dia Hand Rail Complete In All Respects And As Approved By The Engineer Incharge	25 Rft	P.Rft	460.00	11,500	-	P.Rft	460	-	0.00	11,500	
23	Providing and fixing Box type Wardrobe 22" deep (with back) consisting of 3/4" thick both side PVC Coated Sheet with 1"x3/4" deodar wood gola all around fixed on kail wood frame 3"x1" i/c 1/2" full brass hinges, C.P handles, catchers, screws and rawal plugs. polishing/painting 03-coat to gola & frame i/c the cost of locking arrangement complete as approved and directed by Engineer Incharge	670 Sft	P.Sft	1425.00	954,750	-	P.Sft	1,425	-	0.00	954,750	
24	Providing And Applying Architectural Wall Coating (Sandex) I/C Preparing Surface And Applying 2mm Thick Acrylic Chips Paste As Per Approved Texture And Colour By The Architect Or Engineer Incharge	16,705 Sft	P.Sft	48.00	801,840	-	P.Sft	48	-	0.00	801,840	
25	Supply and installation anti microbial Hygenic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge.	342 Sft	P.Sft	834.00	285,228	-	P.Sft	834	-	0.00	285,228	

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
26	Providing And Fixing Lead Sheet In X-Ray Room (1.5 mm Thick) I/C Co-Nails And Covering Heads With Led Etc Complete In All Respects And As Approved By The Engineer Incharge	888 Sft	P.Sft	366.00	325,008	888	P.Sft	1,269	1,126,872	801,864	0.00	Rate Analysis Attached
27	P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt, handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.	0 Sft	P.Sft	0.00	-	47	P.Sft	507	23,820	23,820	0.00	
28	Providing and fixing all types of partly fixed and partly openable glazed anodised/ powder coated aluminium doors, using deluxe section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2" x 1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	0 Sft	P.Sft	0.00	-	85	P.Sft	1,441	122,502	122,502	0.00	
29	Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardware, hinges, four bolt and cutting charges on approved & directed by the Engineer Incharge	0 Sft	P.Sft	0.00	-	403	P.Sft	1,040	419,120	419,120	0.00	Rate Analysis Attached
30	Providing and fixing high quality LED SMD Panel Light 2 ft x 2 ft of specified wattage and luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and directed by the Engineer Incharge. 36Watt, Lumens 110Lumen/Watt	0 Sft	Each	0.00	-	45	Each	14,800	666,000	666,000	0.00	Rate Analysis Attached
31	Supply and installation anti microbial Hygienic flooring (with anti bacterial agent) conforming to (ISO:22196) of specified thickness duly welded with thermoplastic equipment placed over self levelling adhesive as approved and directed by the Engineer Incharge. Epoxy	0 Sft	P.Sft	0.00	-	538	P.Sft	550	295,900	295,900	0.00	Rate Analysis Attached
32	Supply and installation of Clip-in tile of specified thickness non-porous Aluminium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid, Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size, suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.	0 Sft	P.Sft	0.00	-	538	P.Sft	360	193,680	193,680	0.00	Rate Analysis Attached

Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	
33	Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge	0 Sft	P.Sft	0.00	-	1,433	P.Sft	800	1,146,000	1,146,000	0.00	Rate Analysis Attached
34	Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.	0 Sft	P.Rft	0.00	-	1,152	P.Rft	580	668,160	668,160	0.00	Rate Analysis Attached
35	Supply, installation and commissioning of Main Pannel Board (MPB) made of sheet steel 14 SWG, totally enclosed, indoor wall mounting type including all auxiliaries, internal wiring from Mccbs terminating on cable terminals blocks installed at the top of MPB , designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 phase, neutral and earthing busbars made of 99.8% electrolytic copper of under mentioned capacities. Body of MPB shall be degreased and de-rusted having one coat of antirust paint with further 2 coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all respects and accordance with the latest BS codes and conforming to single line diagram. Rated current of Main & Neutral Bus Bar rated at 50 degree centigrade All Breakers to be installed shall be of one make only and not mixture of two manufacturers. Make GE , Schneider (Europe/ USA), MG. (Made in France), Mitsubishi and Terasakil (Made in Japan/Spain) ABB, Legrand. Rated Ics not less than 25 KA for incoming , outgoing Breakers and for busbar installed in the Panel	1 No.	Each	1182503.41	1,182,503	-	Each	1,182,503	-	0.00	1,182,503	
36	LT sub-main panel board(Light) - (SMPBP) with all installation and operational accessories as per site requirements, as per tender specifications, drawings and as directed by the Engineer.	3 No.	Each	248494.88	745,485	-	Each	248,495	-	0.00	745,485	
37	LT sub-main panel board(Power) - (SMPBP) with all installation and operational accessories as per site requirements, as per tender specifications, drawings and as directed by the Engineer.	3 No.	Each	332201.88	996,606	-	Each	332,202	-	0.00	996,606	


TOTAL:	56,732,577	43,895,479	14,074,557	26,911,654
Deduct Cost of Old Material	(-) 369,209	289,629	0.00	79,580
NET:	56,363,368	43,605,850	14,074,557	26,832,074
External Development	5,235,000	1,805,000	0.00	3,430,000
TOTAL:	61,598,368	45,410,850	14,074,557	30,262,074


Sr. No.	Description	As per Approved Rough Cost Estimate				As per Amended Rough Cost Estimate				Difference		Remarks
		Quantity	Unit	Rate	Amount	Quantity	Unit	Rate	Amount	Excess	Saving	


Add 03% Contegency					1,847,951				1,362,326	422,237	907,862	
Add 05% PRA					3,079,918				2,270,543	703,728	1,513,104	
Add 01% Horticulture					615,984				454,109	140,746	302,621	

TOTAL:	67,142,221	49,497,827	15,341,267	32,985,661
SAY:	67.142	49.498	15.341	32.986 Million

vetted for Rs.49.498(M)


SUB ENGINEER


SUB DIVISIONAL OFFICER
Buildings Sub Division No. I
MULTAN


EXECUTIVE ENGINEER
Buildings Division No. I
MULTAN


SUPERINTENDING ENGINEER
Buildings Circle
MULTAN

AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN (ADP NO. 658 / 2022-23)

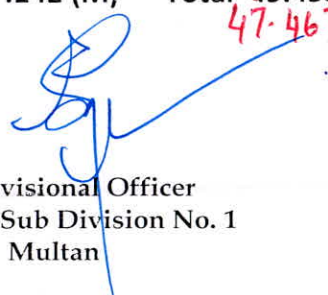
S.No	Description	AS PER APPROVED ROUGH COST ESTIMATE.	AS PER REVISED ROUGH COST ESTIMATE.	DIFFERENCE		Remarks
				EXCESS	SAVING	
MRS 2nd Bi Annual 2022						
1	Main Building	55929466	43025289 42021408	0	12904177 13908058	Changing in Scope of Work
2	Cost of Dismantling	803111	870190 414255	67079	38856 0	Increase in MRS Rates
3	External Development	5235000	1805000	0	3430000	Changing in Scope of Work
4	Recovery of Old Material	-369209	-289629			
	TOTAL	61598368	45410850 43951034			

Add 1 % Horticulture Charges	615984	454109 ¹³⁸⁵³¹
Add 3 % Contingency Charges	1847951	1362326 ²¹⁹⁷⁵⁵²
Add 05 % PRA	3079918	2270543 ⁴⁷⁴⁶⁷¹¹⁷
Total	67142221	49497827

NET TOTAL 67142221 49497827

Total 67.142 (M) Total ~~49.498~~ (M) -26.279 % SAVING


SUB ENGINEER


Sub Divisional Officer
Buildings Sub Division No. 1
Multan


Executive Engineer
Buildings Division No.1
Multan

**AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF
ALL THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL
HOSPITAL MULTAN (ADP NO. 658 / 2022-23)**

(Abstract of Cost)

1-	Main Building	=	Rs:	43025289 42021408 P# 30
2-	Cost of Dismantling	=	Rs:	870190 414255 P# 22
3-	External Development	=	Rs:	1805000 P# 48
4-	Recovery of Old Material	=	Rs:	-289629 P# 48
				43951034
		Total	Rs:	45410850
	Add 01% Horticulture	=	Rs:	454109
	Add 03% Contingency	=	Rs:	1318531 1362326
	Add 05% PRA	=	Rs:	2197552 2270543
		Total:	Rs:	47467117 49497827
		Say:	Rs:	47467200 49497800
				49.498 (M)
				47.467 (M)

Sub-Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
Multan

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**AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL THQ
HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN (ADP NO. 658 /
2022-23)**

DETAIL OF DISMANTLING

1- Removing door with chowkat

36 /32 (a)

Ground Floor 1 x 2.00

= 2 No. /s

Total: = 2 No./s
@ 448.45 Each Rs: 897/-

2- Removing windows and sky lights with chowkat

36 /32 (b)

Ground Floor 1 x 41.00

First Floor 1 x 17.00

= 41 No. /s

= 17 No. /s

Total: = 58 No./s
@ 350.45 Each Rs: 20326/-

3- Removing ventilators and wooden sunshade, etc

36 /33

Ground Floor 1 x 13.00

= 13 No. /s

Total: = 13 No./s
@ 183.80 Each Rs: 2389/-

4- Dismantling light, fan and call bell point including casing and capping/strip open type, and making good damaged surface (building portion).

38 /53

Main E.H.C. 1 x 17.00

Gallery Side 1 x 23.00

1 x 12.00

1 x 5.00

Ward Side 1 x 8.00

1 x 5.00

1 x 13.00

1 x 18.00

Lab Side 1 x 13.00

1 x 15.00

1 x 8.00

1 x 12.00

= 17 No. /s

= 23 No. /s

= 12 No. /s

= 5 No. /s

= 8 No. /s

= 5 No. /s

= 13 No. /s

= 18 No. /s

= 13 No. /s

= 15 No. /s

= 8 No. /s

= 12 No. /s

Total: = 149 No./s
@ 79.35 Each Rs: 11823/-

5- Dismantling plug point and making good damaged surface (Building Portion).

38 /54

Main E.H.C. 1 x 14.00

Gallery Side 1 x 18.00

1 x 20.00

1 x 6.00

Ward Side 1 x 5.00

1 x 16.00

1 x 22.00

1 x 13.00

Lab Side 1 x 22.00

1 x 15.00

1 x 14.00

1 x 7.00

= 14 No. /s

= 18 No. /s

= 20 No. /s

= 6 No. /s

= 5 No. /s

= 16 No. /s

= 22 No. /s

= 13 No. /s

= 22 No. /s

= 15 No. /s

= 14 No. /s

= 7 No. /s

Total: = 172 No./s
@ 68.00 Each Rs: 11696/-

6- Dismantling G.I./M.S. conduit/G.I. flexible/PVC pipes or conduit wiring, etc. of all sizes including making good damaged surface (building portion):-

38 /55 (i)

On Surface

Main Ent. Galler	1	x	8.00	=	8	Rft
	1	x	50.00	=	50	Rft
	1	x	15.75	=	16	Rft
	1	x	35.00	=	35	Rft
Ward Side	1	x	55.00	=	55	Rft
	1	x	7.75	=	8	Rft
	1	x	15.00	=	15	Rft
	1	x	35.00	=	35	Rft
Lab Side	1	x	20.00	=	20	Rft
	1	x	18.00	=	18	Rft
	1	x	16.00	=	16	Rft
	1	x	66.00	=	66	Rft
First Floor	1	x	35.00	=	35	Rft
	1	x	18.75	=	19	Rft
	1	x	22.00	=	22	Rft

Total: = 418 Rft
@ 14.50 P.Rft

Rs: 6061/-

7- Dismantling glazed or encaustic tiles, etc

38 /50

Front Gallery	1	x	2.00	x	72.50	x	5.00	=	725	Sft.
Backt Gallery	1	x	2.00	x	182.50	x	5.00	=	1825	Sft.
Flooring										
Public Washrooms										
Lavatory	2	x	9.00	x	8.63			=	155	Sft.
Toilets	4	x	4.00	x	5.00			=	80	Sft.
Female Ward Bath										
Basin Portion	1	x	4.00	x	7.00			=	28	Sft.
Washroom	1	x	5.00	x	7.00			=	35	Sft.
Male Ward										
Washroom	1	x	6.21	x	6.63			=	41	Sft.
Nurs. Stat. Washroom	1	x	7.00	x	6.63			=	46	Sft.
Eye Dr. Side										
Washroom	1	x	5.00	x	6.00			=	30	Sft.
Lavatory	1	x	12.38	x	10.63			=	131	Sft.
Surgeon Washroom	1	x	4.00	x	7.00			=	28	Sft.
Heart Washroom	1	x	4.50	x	7.75			=	35	Sft.
Orthopedic Washroom	1	x	4.50	x	5.75			=	26	Sft.
Dialysis Washroom	1	x	9.00	x	5.00			=	45	Sft.
Lab Washroom	1	x	9.00	x	5.00			=	45	Sft.
EMLS Washroom	1	x	5.00	x	5.00			=	25	Sft.
Wt. Area Washroom	1	x	3.00	x	5.00			=	15	Sft.
'''	1	x	5.00	x	5.00			=	25	Sft.
1st floor										
Toilet	1	x	5.00	x	4.50			=	23	Sft.
Toilet	1	x	4.50	x	4.50			=	20	Sft.

Skirting

Public Washrooms

Lavatory	2	x	2.00	(	9.00	+	8.63	)	7.00	=	494	Sft.
Toilets	4	x	2.00	(4.00	+	5.00)	7.00	=	504	Sft.

Female Ward Bath

Basin Portion	1	x	2.00	(4.00	+	7.00)	7.00	=	154	Sft.
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Washroom	1 x	2.00	(5.00 + 7.00)	7.00	=	168	Sft.
Male Ward							
Washroom	1 x	2.00	(6.21 + 6.63)	7.00	=	180	Sft.
Nursing Stat. Washroom	1 x	2.00	(7.00 + 6.63)	7.00	=	191	Sft.
Eye Dr. Side							
Washroom	1 x	2.00	(5.00 + 6.00)	7.00	=	154	Sft.
Lavatory	1 x	2.00	(12.38 + 10.63)	7.00	=	322	Sft.
Surgeon Washroom	1 x	2.00	(4.00 + 7.00)	7.00	=	154	Sft.
Heart Washroom	Dr. 1 x	2.00	(4.50 + 7.75)	7.00	=	172	Sft.
Orthopedic Washroom	1 x	2.00	(4.50 + 5.75)	7.00	=	144	Sft.
Dialysis Washroom	1 x	2.00	(9.00 + 5.00)	7.00	=	196	Sft.
Lab Washroom	1 x	2.00	(9.00 + 5.00)	7.00	=	196	Sft.
EMLS Washroom	1 x	2.00	(5.00 + 5.00)	7.00	=	140	Sft.
Wt. Area Washroom	1 x	2.00	(3.00 + 5.00)	7.00	=	112	Sft.
'''	1 x	2.00	(5.00 + 5.00)	7.00	=	140	Sft.
1st floor							
Toilets	1 x	2.00	(5.00 + 4.50)	7.00	=	133	Sft.
Toilets	1 x	2.00	(4.50 + 4.50)	7.00	=	126	Sft.

D/d qty of Doors

Gallery Doors	25 x	3.50	x 5.00	=	438	Sft.
	11 x	4.00	x 5.00	=	220	Sft.
Wash Room Doors						
G.F and F.F	20 x	2.50	x 7.00	=	350	Sft.
	2 x	3.00	x 7.00	=	42	Sft.

Total: = ~~1050~~ ⁽¹⁰⁵⁰⁾ Sft.
 NET: = ~~6011~~ ²⁶³⁸ Sft.
 @ 2391.85 %Sft

Rs: ~~143772/-~~ ⁶²⁹⁰⁶

8- Dismantling cement concrete plain (Ratio 1:2:4)

35 /19 (c)

Mosaic Dado**Rooms /Wards**

Emergency	1 x	2.00	(18.75 + 9.00)	5.00 x 0.042	=	70	Cft.
Treatment Room	1 x	2.00	(18.75 + 9.25)	5.00 x 0.042	=	72	Cft.
Skin Doctor	1 x	2.00	(9.00 + 13.75)	5.00 x 0.042	=	52	Cft.
Vaccination Room	1 x	2.00	(14.00 + 9.25)	5.00 x 0.042	=	54	Cft.
Dental Departmer	1 x	2.00	(14.00 + 9.25)	5.00 x 0.042	=	54	Cft.
EMIS	1 x	2.00	(5.00 + 9.13)	5.00 x 0.042	=	19	Cft.
Dialysis	1 x	2.00	(19.00 + 18.50)	5.00 x 0.042	=	146	Cft.
Sample Collectic	1 x	2.00	(9.17 + 7.50)	5.00 x 0.042	=	29	Cft.
Lab	1 x	2.00	(9.17 + 3.75)	5.00 x 0.042	=	14	Cft.
Lab Side	1 x	2.00	(9.00 + 5.50)	5.00 x 0.042	=	21	Cft.
Meeting Room	1 x	2.00	(9.00 + 14.25)	5.00 x 0.042	=	53	Cft.
Reception Room	1 x	2.00	(19.00 + 19.50)	5.00 x 0.042	=	154	Cft.
Blood Lab	1 x	2.00	(14.00 + 9.25)	5.00 x 0.042	=	54	Cft.
DMS Room	1 x	2.00	(14.00 + 9.25)	5.00 x 0.042	=	54	Cft.
Opening	1 x	2.00	(16.00 + 13.88)	5.00 x 0.042	=	93	Cft.
	1 x	2.00	(16.00 + 13.88)	5.00 x 0.042	=	93	Cft.
Blood Bank	1 x	2.00	(9.00 + 14.00)	5.00 x 0.042	=	53	Cft.
Reception	1 x	2.00	(9.00 + 14.00)	5.00 x 0.042	=	53	Cft.
Medicine Store	1 x	2.00	(18.75 + 18.75)	5.00 x 0.042	=	146	Cft.
O.T	1 x	2.00	(19.00 + 18.00)	5.00 x 0.042	=	143	Cft.
Dressing	1 x	2.00	(9.25 + 18.00)	5.00 x 0.042	=	69	Cft.
O.T Store	1 x	2.00	(9.00 + 10.63)	5.00 x 0.042	=	40	Cft.
Female Ward	1 x	2.00	(19.00 + 18.00)	5.00 x 0.042	=	143	Cft.

Nursing Stat.	1	x	2.00	(	13.67	+	11.75	)	5.00	x	0.042	=	67	Cft.
Male Ward	1	x	2.00	(	18.75	+	18.00	)	5.00	x	0.042	=	141	Cft.
ECG Room	1	x	2.00	(	6.00	+	7.00	)	5.00	x	0.042	=	18	Cft.
Eye Doctor	1	x	2.00	(	6.00	+	7.00	)	5.00	x	0.042	=	18	Cft.
Eye Doctor Room	1	x	2.00	(	13.00	+	18.00	)	5.00	x	0.042	=	98	Cft.
Computer	1	x	2.00	(	6.50	+	10.00	)	5.00	x	0.042	=	27	Cft.
Dispensary	1	x	2.00	(	11.00	+	7.75	)	5.00	x	0.042	=	36	Cft.
Homeopathic	1	x	2.00	(	9.50	+	7.75	)	5.00	x	0.042	=	31	Cft.
Homeopathic Store	1	x	2.00	(	7.25	+	7.75	)	5.00	x	0.042	=	23	Cft.
General Lab	1	x	2.00	(	14.00	+	18.00	)	5.00	x	0.042	=	105	Cft.
X-Ray Room	1	x	2.00	(	19.00	+	18.00	)	5.00	x	0.042	=	143	Cft.
"	1	x	2.00	(	9.00	+	9.13	)	5.00	x	0.042	=	34	Cft.
Eye O.T	1	x	2.00	(	14.00	+	14.00	)	5.00	x	0.042	=	82	Cft.
Surgeon	1	x	2.00	(	11.00	+	14.00	)	5.00	x	0.042	=	64	Cft.
Ward	1	x	2.00	(	14.00	+	14.00	)	5.00	x	0.042	=	82	Cft.
Ultrasound	1	x	2.00	(	9.25	+	14.00	)	5.00	x	0.042	=	54	Cft.
Indoor Store	1	x	2.00	(	9.25	+	14.00	)	5.00	x	0.042	=	54	Cft.
Empty	1	x	2.00	(	9.50	+	14.00	)	5.00	x	0.042	=	55	Cft.
Isolation	1	x	2.00	(	9.75	+	14.00	)	5.00	x	0.042	=	57	Cft.
Empty	1	x	2.00	(	9.25	+	14.00	)	5.00	x	0.042	=	54	Cft.
Aids Control	1	x	2.00	(	9.00	+	14.00	)	5.00	x	0.042	=	53	Cft.
Next Room	1	x	2.00	(	13.00	+	14.00	)	5.00	x	0.042	=	76	Cft.
Medical Room	1	x	2.00	(	14.00	+	14.00	)	5.00	x	0.042	=	82	Cft.
Heart Doctor	1	x	2.00	(	9.00	+	14.00	)	5.00	x	0.042	=	53	Cft.
Orthopedic	1	x	2.00	(	9.25	+	14.00	)	5.00	x	0.042	=	54	Cft.
Medical Dr. Room	1	x	2.00	(	9.00	+	14.00	)	5.00	x	0.042	=	53	Cft.
T.B. Room	1	x	2.00	(	9.00	+	14.00	)	5.00	x	0.042	=	53	Cft.

Public Washrooms

Lavatory	2	x	9.00	x	8.63	x	0.125	=	19	Cft.
Toilets	4	x	4.00	x	5.00	x	0.125	=	10	Cft.

Female Ward Bath

Basin Portion	1	x	4.00	x	7.00	x	0.125	=	4	Cft.
Washroom	1	x	5.00	x	7.00	x	0.125	=	4	Cft.

Male Ward

Washroom	1	x	6.21	x	6.63	x	0.125	=	5	Cft.
Nurs. Stat. Wash	1	x	7.00	x	6.63	x	0.125	=	6	Cft.

Eye Dr. Side

Washroom	1	x	5.00	x	6.00	x	0.125	=	4	Cft.
Lavatory	1	x	12.38	x	10.63	x	0.125	=	16	Cft.
Surgeon Washroom	1	x	4.00	x	7.00	x	0.125	=	4	Cft.
Heart Dr. Washroom	1	x	4.50	x	7.75	x	0.125	=	4	Cft.
Orthopedic Washroom	1	x	4.50	x	5.75	x	0.125	=	3	Cft.
Dialysis Washroom	1	x	9.00	x	5.00	x	0.125	=	6	Cft.
Lab Washroom	1	x	9.00	x	5.00	x	0.125	=	6	Cft.
EMLS Washroom	1	x	5.00	x	5.00	x	0.125	=	3	Cft.
Wt. Area Washroom	1	x	3.00	x	5.00	x	0.125	=	2	Cft.
"	1	x	5.00	x	5.00	x	0.125	=	3	Cft.
Toilet	1	x	5.00	x	4.50	x	0.125	=	3	Cft.
Toilet	1	x	4.50	x	4.50	x	0.125	=	3	Cft.
Front Gallery	1	x	72.50	x	8.75	x	0.125	=	79	Cft.
Backt Gallery	1	x	182.50	x	8.00	x	0.125	=	183	Cft.
Emergency	1	x	18.75	x	9.00	x	0.125	=	21	Cft.
Treatment Room	1	x	18.75	x	9.25	x	0.125	=	22	Cft.
Skin Doctor	1	x	9.00	x	13.75	x	0.125	=	15	Cft.
Vaccination Room	1	x	14.00	x	9.25	x	0.125	=	16	Cft.
Dental Department	1	x	14.00	x	9.25	x	0.125	=	16	Cft.
EMIS	1	x	5.00	x	9.13	x	0.125	=	6	Cft.
Sample Collectio	1	x	9.17	x	7.50	x	0.125	=	9	Cft.
Lab	1	x	9.17	x	3.75	x	0.125	=	4	Cft.

DMS Room	1 x	2.00	(14.00 + 9.25)	8.00	=	372	Sft.
Opening (Right)	1 x	2.00	(16.00 + 13.88)	8.00	=	478	Sft.
Opening (Left)	1 x	2.00	(16.00 + 13.88)	8.00	=	478	Sft.
Blood Bank	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
Reception	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
Medicine Store	1 x	2.00	(18.75 + 18.75)	8.00	=	600	Sft.
O.T	1 x	2.00	(19.00 + 18.00)	8.00	=	592	Sft.
Dressing	1 x	2.00	(9.25 + 18.00)	8.00	=	436	Sft.
O.T Store	1 x	2.00	(9.00 + 10.63)	8.00	=	314	Sft.
Female Ward	1 x	2.00	(19.00 + 18.00)	8.00	=	592	Sft.
Nursing Stat.	1 x	2.00	(13.67 + 11.75)	8.00	=	407	Sft.
Male Ward	1 x	2.00	(18.75 + 18.00)	8.00	=	588	Sft.
ECG Room	1 x	2.00	(6.00 + 7.00)	8.00	=	208	Sft.
Eye Doctor	1 x	2.00	(6.00 + 7.00)	8.00	=	208	Sft.
Eye Doctor Room	1 x	2.00	(13.00 + 18.00)	8.00	=	496	Sft.
Computer	1 x	2.00	(6.50 + 10.00)	8.00	=	264	Sft.
Dispensary	1 x	2.00	(11.00 + 7.75)	8.00	=	300	Sft.
Homeopathic	1 x	2.00	(9.50 + 7.75)	8.00	=	276	Sft.
Homeopathic Store	1 x	2.00	(7.25 + 7.75)	8.00	=	240	Sft.
General Lab	1 x	2.00	(14.00 + 18.00)	8.00	=	512	Sft.
X-Ray Room	1 x	2.00	(19.00 + 18.00)	8.00	=	592	Sft.
Dark Room	1 x	2.00	(8.96 + 8.50)	8.00	=	279	Sft.
"	1 x	2.00	(9.00 + 9.13)	8.00	=	290	Sft.
Eye O.T	1 x	2.00	(14.00 + 14.00)	8.00	=	448	Sft.
Surgeon	1 x	2.00	(11.00 + 14.00)	8.00	=	400	Sft.
Ward	1 x	2.00	(14.00 + 14.00)	8.00	=	448	Sft.
Ultrasound	1 x	2.00	(9.25 + 14.00)	8.00	=	372	Sft.
Indoor Store	1 x	2.00	(9.25 + 14.00)	8.00	=	372	Sft.
Empty	1 x	2.00	(9.50 + 14.00)	8.00	=	376	Sft.
Isolation	1 x	2.00	(9.75 + 14.00)	8.00	=	380	Sft.
Empty	1 x	2.00	(9.25 + 14.00)	8.00	=	372	Sft.
Aids Control	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
Room	1 x	2.00	(13.00 + 14.00)	8.00	=	432	Sft.
Medical Room	1 x	2.00	(14.00 + 14.00)	8.00	=	448	Sft.
Heart Doctor	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
Orthopedic	1 x	2.00	(9.25 + 14.00)	8.00	=	372	Sft.
Medical Dr. Room	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
T.B Room	1 x	2.00	(9.00 + 14.00)	8.00	=	368	Sft.
Stair Hall	1 x	2.00	(11.00 + 18.50)	8.00	=	472	Sft.
Public Washrooms							
Lavatory	2 x	2.00	(9.00 + 8.63)	5.00	=	353	Sft.
Toilets	4 x	2.00	(4.00 + 5.00)	5.00	=	360	Sft.
Female Ward Bath							
Basin Portion	1 x	2.00	(4.00 + 7.00)	5.00	=	110	Sft.
Washroom	1 x	2.00	(5.00 + 7.00)	5.00	=	120	Sft.
Male Ward							
Washroom	1 x	2.00	(6.21 + 6.63)	5.00	=	128	Sft.
Nursing Stat. Wash	1 x	2.00	(7.00 + 6.63)	5.00	=	136	Sft.
Eye Dr. Side							
Washroom	1 x	2.00	(5.00 + 6.00)	5.00	=	110	Sft.
Lavatory	1 x	2.00	(12.38 + 10.63)	5.00	=	230	Sft.
Surgeon Washroom	1 x	2.00	(4.00 + 7.00)	5.00	=	110	Sft.
Heart Dr. Washroom	1 x	2.00	(4.50 + 7.75)	5.00	=	123	Sft.
Orthopedic Washroom	1 x	2.00	(4.50 + 5.75)	5.00	=	103	Sft.
Dialysis Washroom	1 x	2.00	(9.00 + 5.00)	5.00	=	140	Sft.
Lab Washroom	1 x	2.00	(9.00 + 5.00)	5.00	=	140	Sft.
EMLS Washroom	1 x	2.00	(5.00 + 5.00)	5.00	=	100	Sft.
Wt. Area Washroom	1 x	2.00	(3.00 + 5.00)	5.00	=	80	Sft.
"	1 x	2.00	(5.00 + 5.00)	5.00	=	100	Sft.

1st floor

Toilets	2	x	2.00	(	5.00	+	4.50	)	5.00	=	190	Sft.
Toilets	2	x	2.00	(	4.50	+	4.50	)	5.00	=	180	Sft.

Total: = 23325 Sft.

D /d qty of Doors

Ground Floor	40	x	3.50	x	3.50	=	490	Sft.
	20	x	2.50	x	2.00	=	100	Sft.
First Floor	7	x	3.50	x	3.50	=	86	Sft.
	5	x	2.50	x	2.00	=	25	Sft.

D /d qty of Windows/Ventilators

Ground Floor	36	x	5.00	x	6.00	=	1080	Sft.
First Floor	17	x	5.00	x	6.00	=	510	Sft.
	5	x	2.50	x	2.00	=	25	Sft.

Total: = 2316 Sft.

NET: = 21009 Sft.

@ 764.30 %Sft Rs: 160575/-

- 14- Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).

37 /46	(48.25+50)/2	(60+77)/2						
1	x	49.13	x	68.50	x	0.75	=	2524 Cft.

Total: = 2524 Cft.

@ 2720.85 %Cft Rs: 68674/-

Total Rs: ~~870190/-~~ 414255/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
Multan

**AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL
THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN
(ADP NO. 658 / 2022-23)**

1-	Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge									
	210 / 64									
	Front Ent	2	x	17		=	33	Rft		
		2	x	18		=	35	Rft		
						Total:	= 68	Rft		
						@	2368.45	P.Rft	Rs:	161055/-
2-	Providing and fixing 2" dia 18 SWG non-magnetic Stain less steel pipe (304) wall mounted hand rail comprising fixed with 2" long steel bracket with screws i /c the cost of hardware etc. & stainless steel welding & polishing complete in all respects as approved and \directed by the Engineer Incharge.									
	210 / 65									
	Stair Hall	1	x	25		=	25	Rft		
						Total:	= 25	Rft		
						@	508.90	P.Rft	Rs:	12723/-
3-	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.									
	41 / 2									
	Below Tuff Paver	((48.25+50)/2)-4								
	Front Ent	1	x	45.125	x	46.00	x	0.50	=	1038 Cft.
						Total:	= 1038	Cft.		
						@	9035.40	%Cft	Rs:	93787/-
4-	Cement concrete plain including placing,compacting, finishing and curingcomplete (including screening and washing of stone aggregate): (Ratio 1:2:4)									
	41 / 5 (f)									
	Below Tuff Paver	((48.25+50)/2)-4								
	Right Side of bu	1	x	45.125	x	46.00	x	0.25	=	519 Cft.
	Public Washrooms									
	Lavatory	2	x	9.00	x	8.63	x	0.125	=	19 Cft.
	Toilets	4	x	4.00	x	5.00	x	0.125	=	10 Cft.
	Female Ward Bath									
	Basin Portion	1	x	4.00	x	7.00	x	0.125	=	4 Cft.
	Washroom	1	x	5.00	x	7.00	x	0.125	=	4 Cft.
	Male Ward									
	Washroom	1	x	6.21	x	6.63	x	0.125	=	5 Cft.
	Nurs. Stat. Wash	1	x	7.00	x	6.63	x	0.125	=	6 Cft.
	Eye Dr. Side									
	Washroom	1	x	5.00	x	6.00	x	0.125	=	4 Cft.
	Lavatory	1	x	12.38	x	10.63	x	0.125	=	16 Cft.
	Surgeon Washroom	1	x	4.00	x	7.00	x	0.125	=	4 Cft.
	Heart Dr. Washro	1	x	4.50	x	7.75	x	0.125	=	4 Cft.
	Orthopedic Washr	1	x	4.50	x	5.75	x	0.125	=	3 Cft.

Dialysis Washroom	1	x	9.00	x	5.00	x	0.125	=	6	Cft.
Lab Washroom	1	x	9.00	x	5.00	x	0.125	=	6	Cft.
EMLS Washroom	1	x	5.00	x	5.00	x	0.125	=	3	Cft.
Wt. Area Washroom	1	x	3.00	x	5.00	x	0.125	=	2	Cft.
'''	1	x	5.00	x	5.00	x	0.125	=	3	Cft.
1st floor										
Toilet	1	x	5.00	x	4.50	x	0.125	=	3	Cft.
Toilet	1	x	4.50	x	4.50	x	0.125	=	3	Cft.
First floor Gallery	1	x	75.00	x	8.75	x	0.125	=	82	Cft.
Medicien Store	1	x	10.83	x	18.50	x	0.125	=	25	Cft.
Medicien Store	1	x	14.00	x	18.50	x	0.125	=	32	Cft.
Medicien Store	1	x	19.75	x	18.50	x	0.125	=	46	Cft.
Common room	1	x	14.00	x	14.33	x	0.125	=	25	Cft.

Total: = 834 Cft.
@ 38219.00 %Cft Rs: 318746/-

5- 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. (50% Grey / 50% Coloured) 80-mm thick

72 / 41c

Right Side of building

Tuff Paver	((48.25+50)/2)-4							=	2076	Sft
	1	x	45.125	x	46.00					

Total: = 2076 Sft
@ 195.05 P.Sft Rs: 404924/-

6- Single layer of tiles 9"x4½" x ½" laid over 4" earth and 1" mud plaster without bhoosa grouted with cement sand 1:3 on top of RCC roof slab **without provided** 34 lbs per % sft bitumen coating sand blinded complete
(61 / 5) - (62 / 12)

Roof	1	x	49.00	x	35.00			=	1715	Sft
D/d Khurras	2	x	2.00	x	2.00			=	-8	Sft

Total: = 1707 Sft
@ 7408.00 %Sft Rs: 126455/-

7- Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect. 1-1/2" thick

66 / 45

Roof	1	x	49.00	x	35.00			=	1715	Sft.
D/d Khurras	2	x	2.00	x	2.00			=	-8	Sft.

Total: = 1591 1707 Sft.
@ 9462.20 %Sft Rs: 150544/-

8- Providing and applying torch-on plain waterproof ing bitumenous membrane of speci f i ed thickness (made of Roof - Grip/ Euro Bit) duly lapped/connected by heating wi th Torch over ps-6 pr imer i/c preparation/smoothen the sur f ace compl ete in al l respect as approved and di rected by the Engineer Incharge 4mm

66/46

Roof	1	x	49.00	x	35.00	=	1715	Sft.		
D/d Khurras	2	x	2.00	x	2.00	=	-8	Sft.		
Total:						=	1707	Sft.		
						@	97.10	%Sft	Rs:	1657/-
9- P /L cutting jointing testing and disinfecting PVC/uPVC Pipeline with "B" Class working pressure pipe in trenches complete in all respects 4" dia						=	45	Rft		
151 / 27	3	x	15.00			Total:	=	45	Rft	
						@	440.95	P.Rft	Rs:	19843/-
10- Providing and laying PVC Vent Cowel BSS with "B" Class working pressure pipe 4" dia						=	3	No. /s		
131 / 49c	1	x	3.00			Total:	=	3	No. /s	
						@	265.80	Each	Rs:	797/-
11- Providing and laying PVC Tee BSS with "B" Class working pressure pipe 4" dia						=	3	No. /s		
154 / 39	1	x	3.00			Total:	=	3	No. /s	
						@	1590.20	Each	Rs:	4771/-
12- Providing and laying PVC Socket BSS with "B" Class working pressure pipe 4" dia						=	3	No. /s		
155 / 40	1	x	3.00			Total:	=	3	No. /s	
						@	332.55	Each	Rs:	998/-
13- Providing and laying PVC Bend BSS with "B" Class working pressure pipe 4" dia						=	3	No. /s		
154 / 38	1	x	3.00			Total:	=	3	No. /s	
						@	546.30	Each	Rs:	1639/-
14- Khuras on roof 2'x2'x6" (600x600x150mm)						=	2	No. /s		
63 / 15	1	x	2.00			Total:	=	2	No. /s	
						@	865.75	Each	Rs:	1732/-
15- Preparing surface and painting with emulsion paint (02-Coats Old Surface)						=	353	Sft.		
96 / 31						=	360	Sft.		
Public Washrooms						=	110	Sft.		
Lavatory	2	x	2.000	(	9.00 + 8.63)	5.00	=	120	Sft.	
Toilets	4	x	2.00	(	4.00 + 5.00)	5.00	=	128	Sft.	
Female Ward Bath	1	x	2.00	(	4.00 + 7.00)	5.00	=	136	Sft.	
Basin Portion	1	x	2.00	(	5.00 + 7.00)	5.00	=	110	Sft.	
Washroom	1	x	2.00	(	6.21 + 6.63)	5.00	=	110	Sft.	
Male Ward	1	x	2.00	(	7.00 + 6.63)	5.00	=			
Washroom	1	x	2.00	(	5.00 + 6.00)	5.00	=			
Nursing Stat. Washroom	1	x	2.00	(=			
Eye Dr. Side Washroom	1	x	2.00	(=			

Lavatory	1	x	2.00	(	12.38	+	10.63	)	5.00	=	230	Sft.
Surgeon Washroom	1	x	2.00	(	4.00	+	7.00	)	5.00	=	110	Sft.
Heart Washroom	Dr. 1	x	2.00	(	4.50	+	7.75	)	5.00	=	123	Sft.
Orthopedic Washroom	1	x	2.00	(	4.50	+	5.75	)	5.00	=	103	Sft.
Dialysis Washroom	1	x	2.00	(	9.00	+	5.00	)	5.00	=	140	Sft.
Lab Washroom	1	x	2.00	(	9.00	+	5.00	)	5.00	=	140	Sft.
EMLS Washroom	1	x	2.00	(	5.00	+	5.00	)	5.00	=	100	Sft.
Waiting Washroom	Area 1	x	2.00	(	3.00	+	5.00	)	5.00	=	80	Sft.
'''	1	x	2.00	(	5.00	+	5.00	)	5.00	=	100	Sft.
1st floor												
Toilets	1	x	2.00	(	5.00	+	4.50	)	5.00	=	95	Sft.
Toilets	1	x	2.00	(	4.50	+	4.50	)	5.00	=	90	Sft.
	2	x	1.00	(	10.00	+	8.00	)	5.00	=	180	Sft.
	2	x	1.00	(	7.25	+	6.50	)	5.00	=	138	Sft.
Front Gallery	1	x	2.00	(	72.50	+	8.75	)	8.00	=	1300	Sft.
Backt Gallery	1	x	2.000	(	182.50	+	8.00	)	8.00	=	3048	Sft.
Emergency	1	x	2.00	(	18.75	+	9.00	)	8.00	=	444	Sft.
Treatment Room	1	x	2.00	(	18.75	+	9.25	)	8.00	=	448	Sft.
Skin Doctor	1	x	2.00	(	9.00	+	13.75	)	8.00	=	364	Sft.
Vaccination Room	1	x	2.00	(	14.00	+	9.25	)	8.00	=	372	Sft.
Dental Department	1	x	2.00	(	14.00	+	9.25	)	8.00	=	372	Sft.
EMIS	1	x	2.00	(	5.00	+	9.13	)	8.00	=	226	Sft.
Dialysis	1	x	2.00	(	19.00	+	18.50	)	8.00	=	600	Sft.
Sample Collectio	1	x	2.00	(	9.17	+	7.50	)	8.00	=	267	Sft.
Lab	1	x	2.00	(	9.17	+	3.75	)	8.00	=	207	Sft.
Lab Side	1	x	2.00	(	9.00	+	5.50	)	8.00	=	232	Sft.
MS Room	1	x	2.00	(	19.00	+	14.00	)	8.00	=	528	Sft.
Meeting Room	1	x	2.00	(	9.00	+	14.25	)	8.00	=	372	Sft.
Reception Room	1	x	2.00	(	19.00	+	19.50	)	8.00	=	616	Sft.
Blood Lab	1	x	2.00	(	14.00	+	9.25	)	8.00	=	372	Sft.
DMS Room	1	x	2.00	(	14.00	+	9.25	)	8.00	=	372	Sft.
Opening	1	x	2.00	(	16.00	+	13.88	)	8.00	=	478	Sft.
	1	x	2.00	(	16.00	+	13.88	)	8.00	=	478	Sft.
Blood Bank	1	x	2.00	(	9.00	+	14.00	)	8.00	=	368	Sft.
Reception	1	x	2.00	(	9.00	+	14.00	)	8.00	=	368	Sft.
Medicine Store	1	x	2.00	(	18.75	+	18.75	)	8.00	=	600	Sft.
O.T	1	x	2.00	(	19.00	+	18.00	)	8.00	=	592	Sft.
Dressing	1	x	2.00	(	9.25	+	18.00	)	8.00	=	436	Sft.
O.T Store	1	x	2.00	(	9.00	+	10.63	)	8.00	=	314	Sft.
Female Ward	1	x	2.00	(	19.00	+	18.00	)	8.00	=	592	Sft.
Nursing Stat.	1	x	2.00	(	13.67	+	11.75	)	8.00	=	407	Sft.
Male Ward	1	x	2.00	(	18.75	+	18.00	)	8.00	=	588	Sft.
ECG Room	1	x	2.00	(	6.00	+	7.00	)	8.00	=	208	Sft.
Eye Doctor	1	x	2.00	(	6.00	+	7.00	)	8.00	=	208	Sft.
Eye Doctor Room	1	x	2.00	(	13.00	+	18.00	)	8.00	=	496	Sft.
Computer	1	x	2.00	(	6.50	+	10.00	)	8.00	=	264	Sft.
Dispensary	1	x	2.00	(	11.00	+	7.75	)	8.00	=	300	Sft.
Homeopatic	1	x	2.00	(	9.50	+	7.75	)	8.00	=	276	Sft.
Homeopatic Store	1	x	2.00	(	7.25	+	7.75	)	8.00	=	240	Sft.

First Floor	17	x	5.00	x	6.00	=	510	Sft
	5	x	2.50	x	3.00	=	38	Sft

Total: = 2023 Sft.
NET: = 30067 Sft.

@ 2065.65 %Sft Rs: 621070/-

16- Raking and washing joints of brick masonry (old work).

77 / 21

Building Back "B"	1	x	215.00	x	3.00	=	645	Sft.
Front	1	x	49.00	x	3.00	=	147	Sft.
--do-	2	x	31.75	x	3.00	=	191	Sft.
Right Side	2	x	39.25	x	3.00	=	236	Sft.
--do-	2	x	103.75	x	3.00	=	623	Sft.

Total: = 1842 Sft.
@ 686.40 %Sft Rs: 12643/-

17- Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00 m) height 1/4" (6 mm) thick)

75 / 4

Building Back "B"	1	x	215.00	x	3.00	=	645	Sft.
Front	1	x	49.00	x	3.00	=	147	Sft.
--do-	2	x	31.75	x	3.00	=	191	Sft.
Right Side	2	x	39.25	x	3.00	=	236	Sft.
--do-	2	x	103.75	x	3.00	=	623	Sft.

Total: = 1842 Sft.
@ 3246.05 %Sft Rs: 59792/-

18- Cement pointing struck joints, on wal ls, upto 20' (6.00 m) hieght:-

77 / 18 (a)

Building Back "B"	1	x	215.00	x	3.00	=	645	Sft.
Front	1	x	49.00	x	3.00	=	147	Sft.
--do-	2	x	31.75	x	3.00	=	191	Sft.
Right Side	2	x	39.25	x	3.00	=	236	Sft.
--do-	2	x	103.75	x	3.00	=	623	Sft.

Total: = 1842 Sft.
@ 3573.20 %Sft Rs: 65818/-

19- Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: (New surface: 02-Coats)

79 / 40

" (F) "	1	x	204.75	x	18.00	=	3686	Sft.
Front	1	x	49.00	x	18.00	=	882	Sft.
--do-	2	x	31.75	x	18.00	=	1143	Sft.
Right Side	2	x	39.25	x	18.00	=	1413	Sft.
--do-	2	x	103.75	x	18.00	=	3735	Sft.

First floor

Front	1	x	90.00	x	14.00	=	1260	Sft.
Right / Left	2	x	40.00	x	14.00	=	1120	Sft.
--do-	40	x	2.00	x	0.75	=	60	Sft.
--do-	6	x	2.00	x	0.75	=	9	Sft.
Set Back (Right)	24	x	2.00	x	0.75	=	36	Sft.
--do-	24	x	2.00	x	0.75	=	36	Sft.
Set Back (Front)	8	x	2.00	x	0.75	=	12	Sft.

D/d Windows/Doors/Openings

41	x	5.00	x	6.00	=	-1230	Sft.
3	x	4.00	x	7.00	=	-84	Sft.
2	x	5.00	x	7.00	=	-70	Sft.

Total: = 12008 Sft.
@ 1943.50 %Sft Rs: 233375/-

- 20- 1-1/2"(40 mm) thick mosaic flooring, consisting of 1/2 "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing (Using grey cement)

70 / 22

Plinth Protection	1	x	215.00	x	3.00	=	645	Sft.
Right Side	1	x	49.00	x	3.00	=	147	Sft.
	2	x	39.25	x	3.00	=	236	Sft.
	2	x	103.75	x	3.00	=	623	Sft.
Front	2	x	31.75	x	3.00	=	191	Sft.

Total: = 1842 Sft.
@ 19986.90 %Sft Rs: 368159/-

- 21- Pacca brick work in G.F.

53/5 (i)

Ratio 1:4

	1	x	10.75	x	0.375	x	3.50	=	14	Cft
	1	x	14.00	x	0.375	x	3.50	=	18	Cft
	1	x	54.00	x	0.75	x	0.50	=	20	Cft
	1	x	33.00	x	0.75	x	0.50	=	12	Cft

Total: = 65 Cft.
@ 32585.80 %Cft Rs: 21216/-

- 22- Providing and Fixing Wooden Sheets wall Panelling on required wooden frame i/c cost of Nails & Polishing & other fixing material & labour charges etc complete in all respect as approved by the Engineer Incharge.

on lead linning

X-Ray Room	1	x	2.00	x	(19.00 + 18.00)	x	12.00	=	888	Sft
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Total: = 888 Sft
@ 215.00 P.Sft Rs: 190920/-

- 23- Pacca brick work in foundation and plinth in Cement, sand mortar

52/4 (i)

Ratio 1:4

Plinth Portection	1	x	112.00	x	1.125	x	0.50	=	63	Cft.
	1	x	112.00	x	0.750	x	1.00	=	84	Cft.
	1	x	125.00	x	1.125	x	0.50	=	70	Cft.
	1	x	125.00	x	0.750	x	1.00	=	94	Cft.
	1	x	96.00	x	1.125	x	0.50	=	54	Cft.
	1	x	96.00	x	0.750	x	1.00	=	72	Cft.
	1	x	77.00	x	1.125	x	0.50	=	43	Cft.
	1	x	77.00	x	0.750	x	1.00	=	58	Cft.
	1	x	80.00	x	1.125	x	0.50	=	45	Cft.
	1	x	80.00	x	0.750	x	1.00	=	60	Cft.
	1	x	76.50	x	1.125	x	0.50	=	43	Cft.
	1	x	76.50	x	0.750	x	1.00	=	57	Cft.
	1	x	94.25	x	1.125	x	0.50	=	53	Cft.
	1	x	94.25	x	0.750	x	1.00	=	71	Cft.

Total: = 867 Cft.
@ 30370.80 %Cft Rs: 263386/-

- 24- Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg

116 / 7

For Ent Road TST	1	x	49.13	x	68.50	=	3365	Sft
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Total: = 3365 Sft.

@ 1036.80 %Sft Rs: 34889/-

25- Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density 4.5% Bitumen (2inch thick)
{ 118 / 10 (iv) } x 2

1 x 49.13 x 68.50 = 3365 Sft

Total: = 3365 Sft.
@ 14897.50 %Sft Rs: 501310/-

26- Painting Traffic Lanes 5" wide (125mm), (1.5 mm thick), with thermoplastic (TP) Paint including Glass Beads, complete in al respect
97 / 37

1 x 49.13 = 49 Rft
1 x 68.50 = 69 Rft

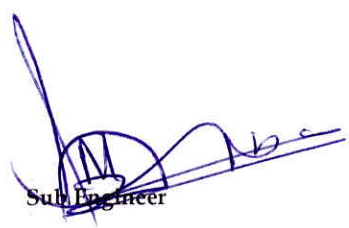
Total: = 118 Rft
@ 48.30 P.Rft Rs: 5681/-

27- P / F Cat Eyes

1 x 16.00 = 16 no

Total: = 16 no
@ 500.00 Each Rs: 8000/-

Total = Rs: 3160707/-


Sub Engineer


Sub Divisional Officer
Buildings Sub Division No. 1
Multan


Executive Engineer
Buildings Division No.1
Multan

AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN (ADP NO. 658 / 2022-23)

1-	Providing and fixing 2 mm thick Double glazed aluminium windows of anodize / powder coated partly fixed and party sliding using deluxe section of 100mm x 40mm x2 mm using frame (70501) at bottom, (70502) at Top & Side made of Pakistan Cables/Alcop having Leaf Frame size 31mm x60mm x2 mm (70506) at Top & Bottom, 35mm x 60mm x2 mm (70505) at center and 35mm x 60mm x2 mm(70503) at sides , fixing 5 mm thick imported tinted double glass and air tight using double tape, chemical strips, Silicon using approved latches, wheels for channel, stopper, brush channel angle joint and hardware etc.(excluding the cost of Fly Proofing). Complete in all respect as approved and directed by the Engineer Incharge.								
	208 / 52								
	Ground Floor	40	x	5.00	x	6.00	=	1200	Sft
	First Floor	17	x	4.00	x	4.00	=	272	Sft
	Ventilators	13	x	3.00	x	2.00	=	78	Sft
							Total: =	1550	Sft
							@	2586.55	P.Sft Rs: 4009153/-
2-	Add Extra for Providing and fixing Aluminum Fly screen comprising of Fiber /Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour / powder coated of si ze 1-1/2"x1/2" and 1.6mm thick wi th rubber gasket i/c cost of Hardwares as approved and di rected by the engi neer incharge. compl ete in all respect								
	208 / 53								
	Ground Floor	40	x	5.00	x	6.00	=	1200	Sft
	First Floor	17	x	4.00	x	4.00	=	272	Sft
							Total: =	1472	Sft
							@	494.50	P.Sft Rs: 727904/-
3-	P/F 3/4"dia heavy duty Brass sliding bolt of specified material i/c the cost of hardware complete in all respect as approved and directed by the Engineer Incharge.								
	90 / 61								
	10" (250 mm) long	1	x	23.00			=	23	No. /s
							Total: =	23	No./s
							@	649.50	Each Rs: 14939/-
4-	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8"MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge.								
	(i) 3/8" Squar Bars								
	209 / 59(i)								
	Ground Floor	40	x	5.00	x	6.00	=	1200	Sft
	First Floor	17	x	4.00	x	4.00	=	272	Sft
	Ventilators	13	x	3.00	x	2.00	=	78	Sft
							Total: =	1550	Sft
							@	863.75	P.Sft Rs: 1338813/-

- 5- Filling of Expansion Joint upto average 1-1/2" wide and 3/4" deep with Polyurethane Sealer i/c backup support of Polythene Foam /Non-Pourus Skin backup rod and preparing surface for sealent by applying primer i/c all costs of material and labour etc complete in all respects

N.S

Horizontal	2	x	8.00	=	16	Rft
	4	x	8.75	=	35	Rft
Vertical	6	x	12.00	=	72	Rft

Total: = 123 Rft
@ 860.00 P.Rft Rs: 105780/-

- 6- Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. Full body Glazed tiles 600 mm x 600 mm (24 " x 24") Flooring

73 / 42 a

Front Gallery	1	x	72.50	x	8.75	=	634	Sft
Backt Gallery	1	x	182.50	x	8.00	=	1460	Sft
Emergency	1	x	18.75	x	9.00	=	169	Sft
Treatment Room	1	x	18.75	x	9.25	=	173	Sft
Skin Doctor	1	x	9.00	x	13.75	=	124	Sft
Vaccination Room	1	x	14.00	x	9.25	=	130	Sft
Dental Department	1	x	14.00	x	9.25	=	130	Sft
EMIS	1	x	5.00	x	9.13	=	46	Sft
Dialysis	1	x	19.00	x	18.50	=	352	Sft
Sample Collectio	1	x	9.17	x	7.50	=	69	Sft
Lab	1	x	9.17	x	3.75	=	34	Sft
Lab Side	1	x	9.00	x	5.50	=	50	Sft
Meeting Room	1	x	9.00	x	14.25	=	128	Sft
Reception Room	1	x	19.00	x	19.50	=	371	Sft
Blood Lab	1	x	14.00	x	9.25	=	130	Sft
DMS Room	1	x	14.00	x	9.25	=	130	Sft
Opening	1	x	16.00	x	13.88	=	222	Sft
	1	x	16.00	x	13.88	=	222	Sft
Blood Bank	1	x	9.00	x	14.00	=	126	Sft
Reception	1	x	9.00	x	14.00	=	126	Sft
Medicine Store	1	x	18.75	x	18.75	=	352	Sft
Dressing	1	x	9.25	x	18.00	=	167	Sft
Store	1	x	9.00	x	10.63	=	96	Sft
Female Ward	1	x	19.00	x	18.00	=	342	Sft
Nursing Stat.	1	x	13.67	x	11.75	=	161	Sft
Male Ward	1	x	18.75	x	18.00	=	338	Sft
ECG Room	1	x	6.00	x	7.00	=	42	Sft
Eye Doctor	1	x	6.00	x	7.00	=	42	Sft
Eye Doctor Room	1	x	13.00	x	18.00	=	234	Sft
Computer	1	x	6.50	x	10.00	=	65	Sft
Dispensary	1	x	11.00	x	7.75	=	85	Sft
Homeopathic	1	x	9.50	x	7.75	=	74	Sft
Homeopathic Store	1	x	7.25	x	7.75	=	56	Sft
General Lab	1	x	14.00	x	18.00	=	252	Sft
X-Ray Room	1	x	19.00	x	18.00	=	342	Sft
Surgeon	1	x	11.00	x	14.00	=	154	Sft
Ward	1	x	14.00	x	14.00	=	196	Sft
Ultrasound	1	x	9.25	x	14.00	=	130	Sft

Indoor Store	1	x	9.25	x	14.00	=	130	Sft
Empty	1	x	9.50	x	14.00	=	133	Sft
Isolation	1	x	9.75	x	14.00	=	137	Sft
Empty	1	x	9.25	x	14.00	=	130	Sft
Aids Control	1	x	9.00	x	14.00	=	126	Sft
Next Room	1	x	13.00	x	14.00	=	182	Sft
Medical Room	1	x	14.00	x	14.00	=	196	Sft
Heart Doctor	1	x	9.00	x	14.00	=	126	Sft
Orthopedic	1	x	9.25	x	14.00	=	130	Sft
Medical Dr. Room	1	x	9.00	x	14.00	=	126	Sft
T.B Room	1	x	9.00	x	14.00	=	126	Sft
Waiting Area	2	x	28.50	x	14.00	=	798	Sft
"	2	x	19.00	x	10.00	=	380	Sft

Total: = 10674 Sft
@ 341.90 P.Sft Rs: 3649441/-

- 7- Providing and laying superb quality Porcelain glazed tiles flooring of **MASTER brand** of specified size in approved design, Color and Shade with adhesive/bond over 1/2" thick(1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. **Full body Glazed tiles (24 " x 12") Skirting/ Dado**

73 / 43 a(ii)

Front Gallery	1	x	2.00	(	72.50	+	8.75	)	4.00	=	650	Sft
Backt Gallery	1	x	2.000	(	182.50	+	8.00	)	4.00	=	1524	Sft
Emergency	1	x	2.00	(	18.75	+	9.00	)	4.00	=	222	Sft
Treatment Room	1	x	2.00	(	18.75	+	9.25	)	4.00	=	224	Sft
Skin Doctor	1	x	2.00	(	9.00	+	13.75	)	4.00	=	182	Sft
Vaccination Room	1	x	2.00	(	14.00	+	9.25	)	4.00	=	186	Sft
Dental Department	1	x	2.00	(	14.00	+	9.25	)	4.00	=	186	Sft
EMIS	1	x	2.00	(	5.00	+	9.13	)	4.00	=	113	Sft
Dialysis	1	x	2.00	(	19.00	+	18.50	)	4.00	=	300	Sft
Sample Collectio	1	x	2.00	(	9.17	+	7.50	)	4.00	=	133	Sft
Lab	1	x	2.00	(	9.17	+	3.75	)	4.00	=	103	Sft
Lab Side	1	x	2.00	(	9.00	+	5.50	)	4.00	=	116	Sft
Room	1	x	2.00	(	19.00	+	14.00	)	4.00	=	264	Sft
Meeting Room	1	x	2.00	(	9.00	+	14.25	)	4.00	=	186	Sft
Reception Room	1	x	2.00	(	19.00	+	19.50	)	4.00	=	308	Sft
Blood Lab	1	x	2.00	(	14.00	+	9.25	)	4.00	=	186	Sft
DMS Room	1	x	2.00	(	14.00	+	9.25	)	4.00	=	186	Sft
Opening	1	x	2.00	(	16.00	+	13.88	)	4.00	=	239	Sft
	1	x	2.00	(	16.00	+	13.88	)	4.00	=	239	Sft
Blood Bank	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft
Reception	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft
Medicine Store	1	x	2.00	(	18.75	+	18.75	)	4.00	=	300	Sft
Dressing	1	x	2.00	(	9.25	+	18.00	)	4.00	=	218	Sft
Store	1	x	2.00	(	9.00	+	10.63	)	4.00	=	157	Sft
Female Ward	1	x	2.00	(	19.00	+	18.00	)	4.00	=	296	Sft
Nursing Stat.	1	x	2.00	(	13.67	+	11.75	)	4.00	=	203	Sft
Male Ward	1	x	2.00	(	18.75	+	18.00	)	4.00	=	294	Sft
ECG Room	1	x	2.00	(	6.00	+	7.00	)	4.00	=	104	Sft
Eye Doctor	1	x	2.00	(	6.00	+	7.00	)	4.00	=	104	Sft
Eye Doctor Room	1	x	2.00	(	13.00	+	18.00	)	4.00	=	248	Sft

41

Computer	1	x	2.00	(	6.50	+	10.00	)	4.00	=	132	Sft
Dispensary	1	x	2.00	(	11.00	+	7.75	)	4.00	=	150	Sft
Homeopathic	1	x	2.00	(	9.50	+	7.75	)	4.00	=	138	Sft
Homeopathic Store	1	x	2.00	(	7.25	+	7.75	)	4.00	=	120	Sft
General Lab	1	x	2.00	(	14.00	+	18.00	)	4.00	=	256	Sft
X-Ray Room	1	x	2.00	(	19.00	+	18.00	)	4.00	=	296	Sft
Surgeon	1	x	2.00	(	11.00	+	14.00	)	4.00	=	200	Sft
Ward	1	x	2.00	(	14.00	+	14.00	)	4.00	=	224	Sft
Ultrasound	1	x	2.00	(	9.25	+	14.00	)	4.00	=	186	Sft
Indoor Store	1	x	2.00	(	9.25	+	14.00	)	4.00	=	186	Sft
Empty	1	x	2.00	(	9.50	+	14.00	)	4.00	=	188	Sft
Isolation	1	x	2.00	(	9.75	+	14.00	)	4.00	=	190	Sft
Empty	1	x	2.00	(	9.25	+	14.00	)	4.00	=	186	Sft
Aids Control	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft
Next Room	1	x	2.00	(	13.00	+	14.00	)	4.00	=	216	Sft
Medical Room	1	x	2.00	(	14.00	+	14.00	)	4.00	=	224	Sft
Heart Doctor	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft
Orthopedic	1	x	2.00	(	9.25	+	14.00	)	4.00	=	186	Sft
Medical Dr. Room	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft
T.B Room	1	x	2.00	(	9.00	+	14.00	)	4.00	=	184	Sft

D/D Dept. 50 x 2 x 3.5 x 4 = 1400 sq

Total: = 11654 Sft
@ 341.90 P.Sft Rs: 3984503/-
3505842/-

8- Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade with adhesive/bond over 3/4" thick(1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge. (Non-Skid Chequered Tiles) 300mmx300mm

73 / 42 (d)

Ent Ramp	2	x	17.00	x	5.00	=	170	Sft	
						Total:	=	170	Sft
						@	212.95	P.Sft	

9- Providing and laying superb quality Ceramic tile floors 12" x 36" of Master brand of specified size,Glossy/Matt/Texture of approved Color and Shade as per approved design witha dhhesive bond, over 3/4"thick (1;2)cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding completein all respects and as approved and directed by the Engineer Incharge.

70 / 24 i

Washrooms

Lavatory	2	x	9.00	x	8.63	=	155	Sft
Toilets	4	x	4.00	x	5.00	=	80	Sft
Female Ward Bath								
Basin Portion	1	x	4.00	x	7.00	=	28	Sft
Washroom	1	x	5.00	x	7.00	=	35	Sft
Male Ward								
Washroom	1	x	6.21	x	6.63	=	41	Sft
Nursing Stat. Washroom	1	x	7.00	x	6.63	=	46	Sft
Eye Dr. Side								
Washroom	1	x	5.00	x	6.00	=	30	Sft
Lavatory	1	x	12.38	x	10.63	=	131	Sft
Surgeon Washroom	1	x	4.00	x	7.00	=	28	Sft

Heart Washroom	Dr.	1	x	4.50	x	7.75	=	35	Sft
Orthopedic Washroom		1	x	4.50	x	5.75	=	26	Sft
Dialysis Washroom		1	x	9.00	x	5.00	=	45	Sft
Lab Washroom		1	x	9.00	x	5.00	=	45	Sft
EMLS Washroom		1	x	5.00	x	5.00	=	25	Sft
Waiting Washroom	Area	1	x	3.00	x	5.00	=	15	Sft
'''		1	x	5.00	x	5.00	=	25	Sft
1st floor									
Toilet		2	x	5.00	x	4.50	=	45	Sft
Toilet		2	x	4.50	x	4.50	=	41	Sft
Lavatory		1	x	10.00	x	8.00	=	80	Sft
''		1	x	7.25	x	8.50	=	62	Sft

Total: = 1018 Sft
@ 241.35 P.Sft Rs: 245694/-

- 10- Providing and laying superb quality Ceramic tile dado 12" x 36" of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 1/2" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.

70 / 25 i

Public Washrooms

Lavatory		2	x	2.00	(	9.00	+	8.63	)	12.00	=	846	Sft
Toilets		4	x	2.00	(	4.00	+	5.00	)	7.00	=	504	Sft
Female Bath	Ward												
Basin Portion		1	x	2.00	(	4.00	+	7.00	)	12.00	=	264	Sft
Washroom		1	x	2.00	(	5.00	+	7.00	)	7.00	=	168	Sft
Male Ward													
Washroom		1	x	2.00	(	6.21	+	6.63	)	7.00	=	180	Sft
Nursing Washroom	Stat.	1	x	2.00	(	7.00	+	6.63	)	7.00	=	191	Sft
Eye Dr. Side													
Washroom		1	x	2.00	(	5.00	+	6.00	)	7.00	=	154	Sft
Lavatory		1	x	2.00	(	12.38	+	10.63	)	12.00	=	552	Sft
Surgeon Washroom		1	x	2.00	(	4.00	+	7.00	)	7.00	=	154	Sft
Heart Washroom	Dr.	1	x	2.00	(	4.50	+	7.75	)	7.00	=	172	Sft
Orthopedic Washroom		1	x	2.00	(	4.50	+	5.75	)	7.00	=	144	Sft
Dialysis Washroom		1	x	2.00	(	9.00	+	5.00	)	7.00	=	196	Sft
Lab Washroom		1	x	2.00	(	9.00	+	5.00	)	7.00	=	196	Sft
EMLS Washroom		1	x	2.00	(	5.00	+	5.00	)	7.00	=	140	Sft
Waiting Washroom	Area	1	x	2.00	(	3.00	+	5.00	)	7.00	=	112	Sft
'''		1	x	2.00	(	5.00	+	5.00	)	7.00	=	140	Sft
1st floor													
Toilets		2	x	2.00	(	5.00	+	4.50	)	7.00	=	266	Sft
Toilets		2	x	2.00	(	4.50	+	4.50	)	7.00	=	252	Sft
Lavatory		1	x	1.00	(	10.00	+	8.00	)	12.00	=	216	Sft
''		1	x	1.00	(	7.25	+	6.50	)	12.00	=	165	Sft
Total: =												5010	Sft

D/d Doors

G.F and F.F	20	x	2.50	x	7.00	=	350	Sft
	2	x	3.00	x	7.00	=	42	Sft

Total:	=	392	Sft	
NET:	=	4618	Sft	
@	294.10	P.Sft	Rs:	1358276/-

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

74 / 50(i)

Tread								
Stair Step	25	x	5.00	x	1.000	=	125	Sft
Landing	1	x	5.00	x	5.750	=	29	Sft
	1	x	5.00	x	5.875	=	29	Sft
Front	4	x	16.00	x	0.500	=	32	Sft
Window sills	40	x	5.00	x	1.375	=	275	Sft
Nursing Counter	2	x	14.00	x	2.000	=	56	Sft
	2	x	14.00	x	1.500	=	42	Sft

Total:	=	588	Sft	
@	1310.70	P.Sft	Rs:	770692/-

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

74 / 50(ii)

Risers								
Stair Steps	26	x	5.00	x	0.500	=	65	Sft
Ent Steps	4	x	16.00	x	0.500	=	32	Sft
Reception	1	x	12.00	x	2.000	=	24	Sft
	1	x	12.00	x	1.250	=	15	Sft
Nursing Counter	2	x	14.00	x	4.500	=	126	Sft

Total:	=	262	Sft	
@	1184.70	P.Sft	Rs:	310391/-

13- Providing and fixing lead lining of specified thickness with nails over naked plastered surface i/c the cost of wooden frame of Kail wood of size 1.5" X 2" @ 2' c/c Horizontally and 4' c/c vertically and 12mm thick MDF sheet as approved and directed by the Engineer Incharge *2/c cover of nail heads.*
a). 2.5mm thick

N. S								
X-Ray Room	1	x	2	(	19.00 + 18.00)	12.00	=	888 Sft

Total:	=	888	Sft	
@	1269.00	P.Sft	Rs:	1126872/-

14- P/F 1-1/2" thick solid flush door comprising of 2.5 mm thick Commercial ply compressed over 2.5 mm thick commercial ply over 1" thick packi ng wood in styl e and rai l s under proper pressure i/c the cost of nai l s, tower bol t , handles, glue, sawi ng charges, Painting charges, sand papering and 3/8" thick matching wooden l ipping as approved and di rected by the Engineer Incharge.

88 /51

Ground Floor 2 x 3.375 x 6.958

= 47 Sft

Total: = 47 Sft
@ 506.80 P.Sft Rs: 23820/-

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

208 / 51

Ent Door 1 x 6.50 x 8.50

= 55 Sft

Ward Gallery Door 1 x 3.50 x 8.50

= 30 Sft

Total: = 85 Sft
@ 1441.20 P.Sft Rs: 122502/-

16- Providing and fixing Openable door comprising of 3mm thick UPVC hollow profile ,chowkat frame of 60mmx64mm and leaf frame 60 mmx106 mm both duly reinforced with G.I box frame inside the void with 20 mm wide panel with grooves on both sides i/c the cost of hardwares, hinges, four bolt and cutting changes on approved & directed by the Engineer Incharge

N . S

Ground Floor 18 x 2.50 x 7.00

= 315 Sft

First Floor 5 x 2.50 x 7.00

= 88 Sft

Total: = 403 Sft
@ 1040.00 P.Sft Rs: 419120/-

17- Providing and fixing high quality LED SMD Panel Light 2 ft×2 ft of specified wattage anf Luminous flux with Polystyrene bowl/prismatic cover made of Philips as approved and direced by the Engineer Incharge. 36Watt,Lumens 110Lumn/Watt

N . S

45.00

= 45 No. /s

Total: = 45 No./s
@ 14800.00 Each Rs: 666000/-

24- Main Building (E.I & P.H)

1 x 16300 = 16300 Sft

Total: = 16300 Sft
@ 347.00 P.Sft Rs: 5656100/-

25- Power Wiring (Main Building, O.T & Elect. Room)

(16300+500+189.75) 1 x 16990 = 16990 Sft

Total: = 16990 Sft
@ 450.00 P.Sft Rs: 7645388/-

26- Provision of Fire Alarm System (Main Building + O.T & Elect. Room)

(16300+500+189.75) 1 x 16990 = 16990 Sft

Total: = 16990 Sft
@ 50.00 P.Sft Rs: 849488/-

27- Supply and installation of RO Plant 500-Litter per Hour Capcity i/c Storage Tank of 2000-Litter Capacity of approved manufacturer i/c cost of all labour & material complete in all respect as approved by the Engineer Incharge.

1 x 1 = 1 Each

Total: = 1 Each
@ 296400.00 Each Rs: 296400/-

28- Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

288 x 4 = 1152 Rft

Total: = 1152 Rft
@ 580.00 P.Rft Rs: 668160/-

Total = Rs: 3886070/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
Multan



Profile of the land

Profile of the land

Profile of the land

Profile of the land

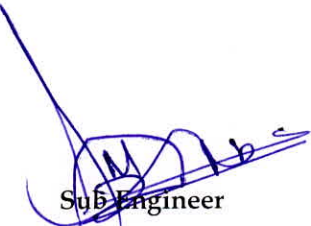
Profile of the land

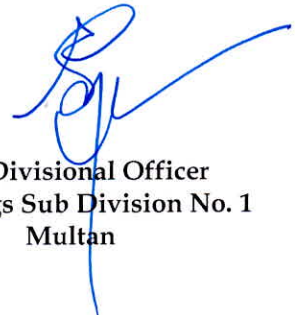
Profile of the land

AMENDED ROUGH COST ESTIMATE PROGRAMME FOR REVAMPING OF ALL
THQ HOSPITALS IN PUNJAB ONE AT GOVERNMENT CIVIL HOSPITAL MULTAN
(ADP NO. 658 / 2022-23)

ABSTRACT OF EXTERNAL DEVELOPMENT

1	Extenal Water Supply	=	115000	— P# 49
2	Extenal Sewerage System	=	1689700	— P# 50
Total:		=	1804700	
SAY		=	1805000	


Sub Engineer


Sub Divisional Officer
Buildings Sub Division No. 1
Multan


Executive Engineer
Buildings Division No.1
Multan

49

DETAIL OF EXTERNAL WATER SUPPLY

2nd Bi-Annual 2021

- 1 Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipe lines upto 5 ft depth from ground level, including trimming dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete.

33 / 44

Building 60 x 2 x 3 = 360 Cft

Total:- = 360 Cft

@ 7,647.00 %Cft = 2753

- 2 Providing laying cutting jointing testing and disinfecting "Polyethylene Pipes DPE-100 for water (PN-16 SDR-II) with fusion / threaded joints complete. PPRC

i) 4" dia (110 mm)

157 / 43 e

Building 1 x 60 = 60 Rft

Total:- = 60 Rft

@ 525.05 P.Rft = 31503

- 3 Providing laying cutting jointing testing and disinfecting "Polyethylene Pipes Specials PE 100 for water (PN-16) with fusion / threaded joints made (Dadex /Beta BBJ or equivalent).

Input Rates

i) Equal Tee 90x90mm

i) 4" dia 1 x 3 = 3 Each

KC 9 p-75

@ 2858.00 Each = 8574

ii) Equal Bend 90x90mm

i) 4" dia 1 x 2 = 2 Each

KA 9 p-75

@ 2560.00 Each = 5120

iii) Straight Coupler 110x110 mm

i) 4" dia 1 x 3 = 3 Each

NA p-87

@ 4574.00 Each = 13722

iv) Reducing Tee 90 x 63 x 90 mm

i) 4" dia 1 x 3 = 3 Each

KH 29 p-77

@ 3157.00 Each = 9471

v) Tapping Shaddle 90mm x 2"

i) 4" dia 1 x 3 = 3 Each

NM 24 p-91

@ 586.00 Each = 1758

- 4 Providing and fixing gun metal peet/ gate valve (screwed):-

a) 4" dia. 1 x 2 = 2 Each

N.S

@ 6313.75 Each = 12628

4 Construction of Samp

Annalysis Attached 1 x 2 = 2 Each

@ 14300.00 Each = 28600

- 5 Rehandling of earthwork:

a) Lead upto a single throw of Kassi, phaorah or shovel

29 / 13

Same as item No.1 above. = 360 Cft

@ 2547.60 %0Cft = 917

Total:- = 115046

Say:- = 115000

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No.1
Multan

Executive Engineer
Buildings Division No.1
Multan

DETAIL OF EXTERNAL SEWERAGE SYSTEM

2nd Bi-Annual 2020

- 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

32 / 42

Front	1	x	60	x	2 1/2	x (	3	+	4	) /2	525 Cft
Left Side	1	x	315	x	3	x (	6	+	7	) /2	6143 Cft
Right Side	1	x	315	x	3	x (	7	+	8	) /2	7088 Cft

Total @ 11770.45 %o Cft = 161903

- Constructing of Manhole/ Sump 2'-6" x 4'-0" x 5'-0" (Internal Size) including PCC 1:6:12, 6" thick, brick work in 1:5 mortar and 13.5" thick, plastered inside in 1:4 cement sand and 4" thick RCC slab 6" c/c 3/8" steel bars G-40 including Manhole cover, complete in all respect as approved by the Engineer Incharge.

Annalysis Attached

Around Hospital	1	x	20	=	20	=	20 Nos.	
						=	20 Nos.	
						@ 37950	Each	= 758998

- 3 Construction of Circular Manholes 5' dia 7' depth

Annalysis Attached

Main Building to Main Road	1	x	4	=	4	=	4 Nos.	
						Total:	= 4 Nos.	
						@ 64100	Each	= 256400

- Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.

138 / 3 ii

i)	15" dia class II							
Left Side	1	x	190					190 Rft
Right Side	1	x	190					190 Rft

Total @ 962.55 P-Rft = 365769

- Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.

ii)

138 / 3 i	12" dia							
Back Side	1	x	100					100 Rft
Front Side	1	x	60					60 Rft

Total @ 697.25 P-Rft = 111560

- 6 Rehandling of earthwork: a) Lead upto a single throw of Kassi, phaorah or shovel

29 / 13

Same as item No.1 above.

Total = 13755 Cft
Total @ 2547.60 %oCft = 35042

Total = 1689671
Say: = 1689700

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
Multan

ANALYSIS FOR

Constructing of Manhole/ Sump 2'-6" x 4'-0" x 5'-0" (Internal Size) including PCC 1:6:12, 6" thick, brick work in 1:5 mortar and 13.5" thick, plastered inside in 1:4 cement sand and 4" thick RCC slab 6" c/c 3/8" steel bars G-40 including Manhole cover , complete in all respect as approved by the Engineer Incharge.

2nd Bi-Annual 2021

- 1 Excavation in open cutting for sewer and manhole i/c rehandling

32 /42(i) + 29/13(a)

$$1 \times 5 \times 7 \times 3 = 105 \text{ Cft}$$
$$@ 14318.05 \% \text{ Cft} = 1503$$

- 2 Cement concrete brick or stone ballast 1 1/2" to 2" gauge in foundation and plinth 1 : 6 : 12.

41/3(d)

$$1 \times 5 \times 7 \times 1/2 = 18 \text{ Cft}$$

Total:-

$$@ 21217.40 \% \text{ Cft} = 3819$$

- 3 Pacca brick work other than buildings upto 10' height with cement sand mortar 1: 4.

54/7(i (iii)

$$2 \times 3 \frac{1}{4} \times 3 \frac{1}{4} \times 3 \frac{1}{2} = 17 \text{ Cft}$$
$$2 \times 5 \frac{1}{4} \times 3 \frac{1}{4} \times 3 \frac{1}{2} = 28 \text{ Cft}$$

Total:-

$$@ 31483.10 \% \text{ Cft} = 14167$$

- 4 P/L Cement concrete plan 1 : 2 : 4 i/c finishing

41,42/5(f)

$$1 \times 2 \frac{1}{2} \times 4 \frac{1}{2} \times 1/8 = 1.41 \text{ Cft}$$

Total:-

$$@ 38219.00 \% \text{ Cft} = 537$$

- 5 1/2" thick cement plaster 1 :4 upto 20' height.

77 / 7 b

$$2 \times (2.5 + 4.5) \times 4 = 84 \text{ Sft}$$

Total:

$$@ 3907.50 \% \text{ Sft} = 3282$$

- 6 Reinforced cement concrete in slab of raft, complete in all respects (Ratio 1:2:4)

42 /6(a)(i) (3)

$$4 \times 6 \times 1/3 = 8 \text{ Cft}$$

Total

$$= 8 \text{ Cft}$$
$$2 \times 3.14 \times 0.92 \times 0.92 \times 0.33 = 2 \text{ Cft}$$

Total

$$= 2 \text{ Cft}$$

Net

$$= 6 \text{ Cft}$$
$$@ 559.20 \text{ P.Cft} = 3355$$

- 7 Fabrication of Mild Steel Reinforcement G-40 i/c cutting, bending, laying in position /fastening i/c removal of rust from bars and cost of binding wire etc complete as approved by the Engineer Incharge

45 / 11

$$6 \times 5 \times 0.454 = 14 \text{ Kg}$$
$$@ 31451.40 \% \text{ Kg} = 4403$$

- 8 Providing and fixing 6" (150mm) thick RCC manhole cover with 3"x3"x1/4" angle iron frame 22" (550mm) I/d as per standard drawing STD/PD No. 7 of 1977. Complete in all respect

139 / 17

$$1 \times 1.000 = 1 \text{ No}$$
$$@ 6882.15 \text{ Each} = 6882$$

Total: = 37950

Say: = 37950

Sub Engineer

Sub Divisional Officer
Buildings Sub Division No. 1
Multan

Executive Engineer
Buildings Division No.1
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Detail for Construction of 5' dia Main Hole chamber with 7' depth for 12" dia sewer

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2nd Biannual 2022

- 1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-
 i) O' to 7' depth $3.143 \times 8.5 \times 8.5 \times 0.25 \times 7 = 397 \text{ Cft}$
 32 /42(i) + 29/13(a)
Deduction
 $1 \times 8.5 \times 2.833 \times 7 = 169 \text{ Cft}$
 Net ($397 - 169$) = **228 Cft**
 @ 14318.05 %0Cft 3265

- 2 Cement concrete brick or stone ballast 1½ " to 2" gauge, in foundation and plinth:-
 A) 1:6:12
 41/3(d)
 In bed $3.143 \times 7.5 \times 7.5 \times 0.25 \times 0.5 = 22 \text{ Cft}$
 @ 21217.40 %Cft 4668

- 3 Pacca brick work other than buildings upto 10' height cement sand mortar ratio 1:4
 54/7(i (iii))

1 x	3.143 x	6.5	1.875 x	0.25 =	10 Cft
1 x	3.143 x	6.125	1.5 x	0.5 =	14 ,,
1 x	3.143 x	6.125	1.125 x	2.5 =	54 ,,
Cone	3.143 x	4.750 x	0.50	0.75 x 2 =	11 ,,
Total =					89 Cft

Deduction
 Pipe $2 \times 3.14 \times 1.042 \times 1.042 \times 0.25 \times 1.5 = 3 \text{ Cft}$
 Net ($89 - 3$) = **86 Cft**
 @ 31483.10 %Cft 27075

- 4 Extra for pacca brick work in steining of wells or any other circular masonry.
 56 /10
 Take same qty item No.3 = **86 Cft**
 @ 2749.2 %Cft 2364

- 5 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):
 f) Ratio 1: 2: 4
 41,42/5(f)

In Bed.	3.143 x	5 x	5 x	0.25 x	1.32 =	26 Cft
Top.	1 x	3.143 x	2.58 x	0.75 x	0.5 =	3 ,,
Total =						29 Cft

Deduction
 Pipe $0.5 \times 3.14 \times 1 \times 1 \times 0.25 \times 4 = 2 \text{ Cft}$
 Net ($29 - 2$) = **27 Cft**
 @ 38219.00 %Cft 10319

- 6 Cement sand plaster 1/2" thick upto 20' height ratio 1:4
 77 / 7 b
 Out side
 $1 \times 1 \times 3.143 \times 7.625 \times 4 = 96 \text{ Sft}$

Cone 1 x 1 x 3.143 x 6.5 x 2.5 = 51 Sft
1 x 3.143 x 6.5 x 0.5 x 2 = 20 „

Total = 167 Sft
@ 3907.50 %Sft 6526

- 7 Extra for making and finishing benching floor work in manhole chamber, with 1/8" (3 mm) thick cement finish.
140 / 9

1 x 3.143 x 5 x 5 x 0.25 = 20 Sft
@ 2976.75 %Sft 595

- 8 Providing and Fixing 1-1/4"x1-1/4"x3/16" thick angle iron step in manhole chamber including carriage and setting the same in work to correct lines & levels.
141 / 13

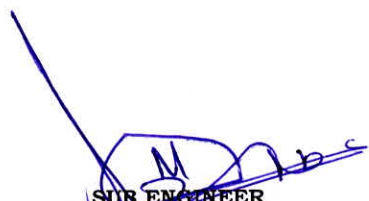
1 x 4 = 4 Nos.
@ 594.95 Each 2380


- 9 Providing and fixing 6" (150mm) thick RCC manhole cover with 3"x3"x1/4" angle iron frame 22" (550mm) l/d as per standard drawing STD/PD No. 7 of 1977. Complete in all respect
139 / 17

1 x 1 = 1 No.
@ 6882.15 Each 6882

Total Rs. 64074

Say Rs. 64100/-


SUB ENGINEER


SUB DIVISIONAL OFFICER
Buildings Sub Division No. I
MULTAN


EXECUTIVE ENGINEER
Buildings Division No. I
MULTAN

54

RATE ANALYSIS FOR

Providing and fixing 2"X2" Stainless Steel 14 SWG Corner Guard angle with bevelled corner and 0.8 mm bend at edges duly pasted with premium grade self-adhesive glue strips with excellent hold/(double sided Tape) as approved and directed by the Engineer Incharge.

Unit = P.Rft Taking = 04-Rft					2nd Bi-Annual 2022	
Sr. No:	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O Stainless Steel Sheet 14-SWG	4x5/12	1.667 Sft	P.Sft	1010.00	1768
	Add 5% Wastage		0.083 Sft			
			1.75 Sft			
2	Self adhessive glue		0.2 Kg	P.Kg	150.00	30
			0.2 Kg			
3	Double sided tape	2x4	8 Rft	P.Rft	4.00	32
			8 Rft			
TOTAL - A						1830.00
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No.	(L.S)	25	25.00
	iii) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					9.50
TOTAL - B						104.50
G- TOTAL (A+B)						1934.50
ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES						386.9
OVER ALL TOTAL						2321.40
RATE PER Rft =					580.35	
Say Rs: =					580/- P. Rft	

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division No. 1
Multan

EXECUTIVE ENGINEER
Buildings Division No. 1
Multan

RATE ANALYSIS FOR

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

(10x10=100-Sft) Take For Analysis Propose

2nd Bi-Annual 2022

A. MATERIAL

- 1 Anti-static epoxy self leveling floor /
dado PVC MFRP conductive epoxy flooring
(imported) to aviodfriction with all chemical
polish etc

1x10x10 = 100 Sft
Add 5% wastage / over lapping = 5 Sft
Total 105 Sft

@ 400 /- P.Sft Rs: 42000/-

- 2 Fixing Charges

Total 105 Sft
@

40 /- P.Sft Rs: 4200/-

Total Rs: 46200/-

Add 20% Contractor's Profit and OHC 9240/-

Total Rs: 55440/-

Rate P.Sft = 50040 / 100 = 554/-

Say Rs: 550/- P.Sft

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

SUB ENGINEER

SUB DIVISIONAL OFFICER
Buildings Sub Division No. 1
Multan

EXECUTIVE ENGINEER
Buildings Division No.1
Multan

1. Name of the person or organization		2. Address		3. City		4. State		5. Zip		6. Date		7. Subject		8. Remarks		9. Signature		10. Title		11. Organization		12. Phone		13. Fax		14. E-mail		15. Other		16. Notes		17. Date		18. Time		19. Location		20. Remarks		21. Signature		22. Title		23. Organization		24. Phone		25. Fax		26. E-mail		27. Other		28. Notes		29. Date		30. Time		31. Location		32. Remarks		33. Signature		34. Title		35. Organization		36. Phone		37. Fax		38. E-mail		39. Other		40. Notes		41. Date		42. Time		43. Location		44. Remarks		45. Signature		46. Title		47. Organization		48. Phone		49. Fax		50. E-mail		51. Other		52. Notes		53. Date		54. Time		55. Location		56. Remarks		57. Signature		58. Title		59. Organization		60. Phone		61. Fax		62. E-mail		63. Other		64. Notes		65. Date		66. Time		67. Location		68. Remarks		69. Signature		70. Title		71. Organization		72. Phone		73. Fax		74. E-mail		75. Other		76. Notes		77. Date		78. Time		79. Location		80. Remarks		81. Signature		82. 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Other		616. Notes		617. Date		618. Time		619. Location		620. Remarks		621. Signature		622. Title		623. Organization		624. Phone		625. Fax		626. E-mail		627. Other		628. Notes		629. Date		630. Time		631. Location		632. Remarks		633. Signature		634. Title		635. Organization		636. Phone		637. Fax		638. E-mail		639. Other		640. Notes		641. Date		642. Time		643. Location		644. Remarks		645. Signature		646. Title		647. Organization		648. Phone		649. Fax		650. E-mail		651. Other		652. Notes		653. Date		654. Time		655. Location		656. Remarks		657. Signature		658. Title		659. Organization		660. Phone		661. Fax		662. E-mail		663. Other		664. Notes		665. Date		666. Time		667. Location		668. Remarks		669. Signature		670. Title		671. Organization		672. Phone		673. Fax		674. E-mail		675. Other		676. Notes		677. Date		678. Time		679. Location		680. Remarks		681. Signature		682. Title		683. Organization		684. Phone		685. Fax		686. E-mail		687. Other		688. Notes		689. Date		690. Time		691. 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Organization		768. Phone		769. Fax		770. E-mail		771. Other		772. Notes		773. Date		774. Time		775. Location		776. Remarks		777. Signature		778. Title		779. Organization		780. Phone		781. Fax		782. E-mail		783. Other		784. Notes		785. Date		786. Time		787. Location		788. Remarks		789. Signature		790. Title		791. Organization		792. Phone		793. Fax		794. E-mail		795. Other		796. Notes		797. Date		798. Time		799. Location		800. Remarks		801. Signature		802. Title		803. Organization		804. Phone		805. Fax		806. E-mail		807. Other		808. Notes		809. Date		810. Time		811. Location		812. Remarks		813. Signature		814. Title		815. Organization		816. Phone		817. Fax		818. E-mail		819. Other		820. Notes		821. Date		822. Time		823. Location		824. Remarks		825. Signature		826. Title		827. Organization		828. Phone		829. Fax		830. E-mail		831. Other		832. Notes		833. Date		834. Time		835. Location		836. Remarks		837. Signature		838. Title		839. Organization		840. Phone		841. Fax		842. E-mail		843. Other		844. Notes		845. Date		846. Time		847. Location		848. Remarks		849. Signature		850. Title		851. Organization		852. Phone		853. Fax		854. E-mail		855. Other		856. Notes		857. Date		858. Time		859. Location		860. Remarks		861. Signature		862. Title		863. Organization		864. Phone		865. Fax		866. E-mail		867. Other		868. Notes		869. Date		870. Time		871. Location		872. Remarks		873. Signature		874. Title		875. Organization		876. Phone		877. Fax		878. E-mail		879. Other		880. Notes		881. Date		882. Time		883. Location		884. Remarks		885. Signature		886. Title		887. Organization		888. Phone		889. Fax		890. E-mail		891. Other		892. Notes		893. Date		894. Time		895. Location		896. Remarks		897. Signature		898. Title		899. Organization		900. Phone		901. Fax		902. E-mail		903. Other		904. Notes		905. Date		906. Time		907. Location		908. Remarks		909. Signature		910. Title		911. Organization		912. Phone		913. Fax		914. E-mail		915. Other		916. Notes		917. Date		918. Time		919. Location		920. Remarks		921. Signature		922. Title		923. Organization		924. Phone		925. Fax		926. E-mail		927. Other		928. Notes		929. Date		930. Time		931. Location		932. Remarks		933. Signature		934. Title		935. Organization		936. Phone		937. Fax		938. E-mail		939. Other		940. Notes		941. Date		942. Time		943. Location		944. Remarks		945. Signature		946. Title		947. Organization		948. Phone		949. Fax		950. E-mail		951. Other		952. Notes		953. Date		954. Time	
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ANALYSIS OF RATE

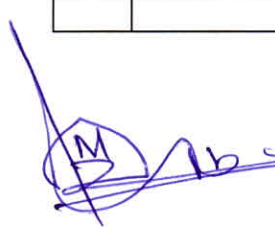
57

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.

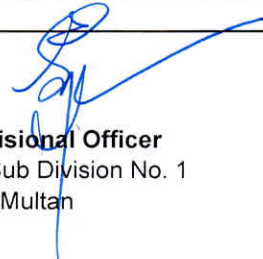
1st July 2022 to 31st Dec 2022

Unit Rate P.Sft

Sr. No	Detail	Qty	Unit	Rate	Amount
A	MATERIAL				
1	DAMPA False ceilling 2'x2' i/c wire	100			
	Add: 5% Wastage	5			
	Total	105	P. Sft	350	36750
2	Aluminum Tee 1"x1/16"				
	2x6x10	120			
	Add: 5% Wastage	6			
	Total	126	Each	35	4410
3	Cost of Rawal plug (1 No) for 1 Sft	8	P.Dozen	30	240
4	Cost of Screw 1 1/4" size	8	P.Dozen	50	400
5	1/8" dia Rod 5' long 1 for 2Sft				
	50x5 = 252				
	225x 0.41x0.454 = 4.25	4.25	P.Kgs	42	179
			Total "A"		41979
B.	LABOUR				
1	Labour for fixing of frame i/c hanging wire upto 20' high	100	P.Sft	20	2000
2	Carriage of Material from factory to site			L.S	300
				Total	2300
	Add: 10% Sundries.				230
			Total "B"		2530
			Total A + B		44509
	Add: 20% Contractor Profit & O.H Charges				8902
			Total		53411
	Rate P.Sft	53411.00	\	100	534.11
			Say Rs. P.Sft		360



Sub Divisional Officer
Building Sub Division No. 1
Multan




Executive Engineer
Building Division No.01
Multan

Providing And Fixing Lead Sheet In X-Ray Room (1.5 mm Thick) I/C Co-Nails And Covering Heads With Led Etc Complete In All Respects And As Approved By The Engineer Incharge

Area: 10x10= 100 Sft
Unit: P.Sft

S.#	Detail of Material	UNIT RATE P.Sft				AMOUNT	
		Quantity		Rate Per Unit			
1	P/F Led Lining Sheet 1.5mm thick with 5% wastage	105	Sft				
	Total:	105	Sft	960.00	P.Sft	Rs.	100800
2	Carriage Charges				L.S	Rs.	5000
TOTAL						Rs.	105800
	Add 20% Contractor Profit					Rs.	21160
TOTAL						Rs.	126960
	Rate P.Sft:					Rs.	1269.60
Say:						Rs.	1269
Certified that Rates for material and labour are as per input rates as displayed on the web site of Finance Department for the 2nd BI-ANNUAL-2022 (01.07.2022 TO 31.12.2022) District Multan							


Sub Divisional Officer
Buildings Sub Division No. 1
Multan


Executive Engineer
Building Division No.01
Multan

RATE ANALYSIS FOR

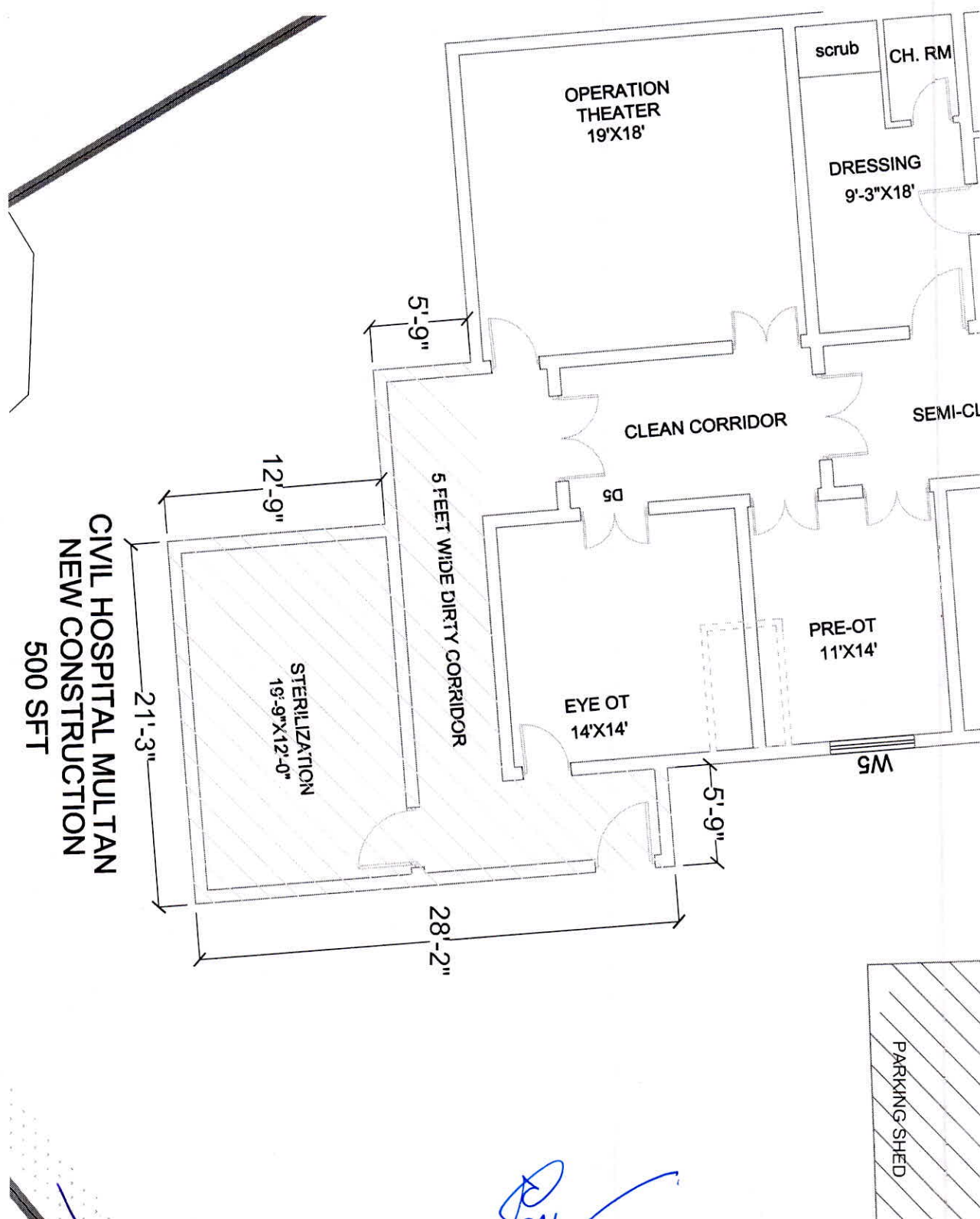
Supply and installation premium graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of 2.5mm thick duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 18-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge

Unit = P.Sft Taking = 10x10 = 100-Sft					2nd Bi-Annual 2022	
Sr. No.	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O anti-microbial Pvc wall cladding 2.5mm thick	10x10	100 Sft	P.Sft	520.00	54600
	Add 5% Wastage		5 Sft			
			105 Sft			
2	P/O Gypsum board of size 2'x2' (12 mm Thick)	25x2x2	100 Sft	P.Sft	40.00	4000
			100 Sft			
3	Self adhessive glue		1.5 Kg	P.Kg	150.00	225
			1.5 Kg			
3	G.I channel 18-SWG	4x10 40x0.600	40 Rft	P.Kg	320.00	7680
	(40x0.600)		24 Kgs			
			24 Kgs			
TOTAL - A						66505.00
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No.	(L.S)	25	25.00
	iii) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					9.50
TOTAL - B						104.50
G- TOTAL (A+B)						66609.50
ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES						13321.9
OVER ALL TOTAL						79931.40
RATE PER Rft =					799.31	
Say Rs: =					800/- P. Sft	

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division No. 1
Multan

EXECUTIVE ENGINEER
Buildings Division No.1
Multan



Executive Engineer
Buildings Division No. 1
MULTAN

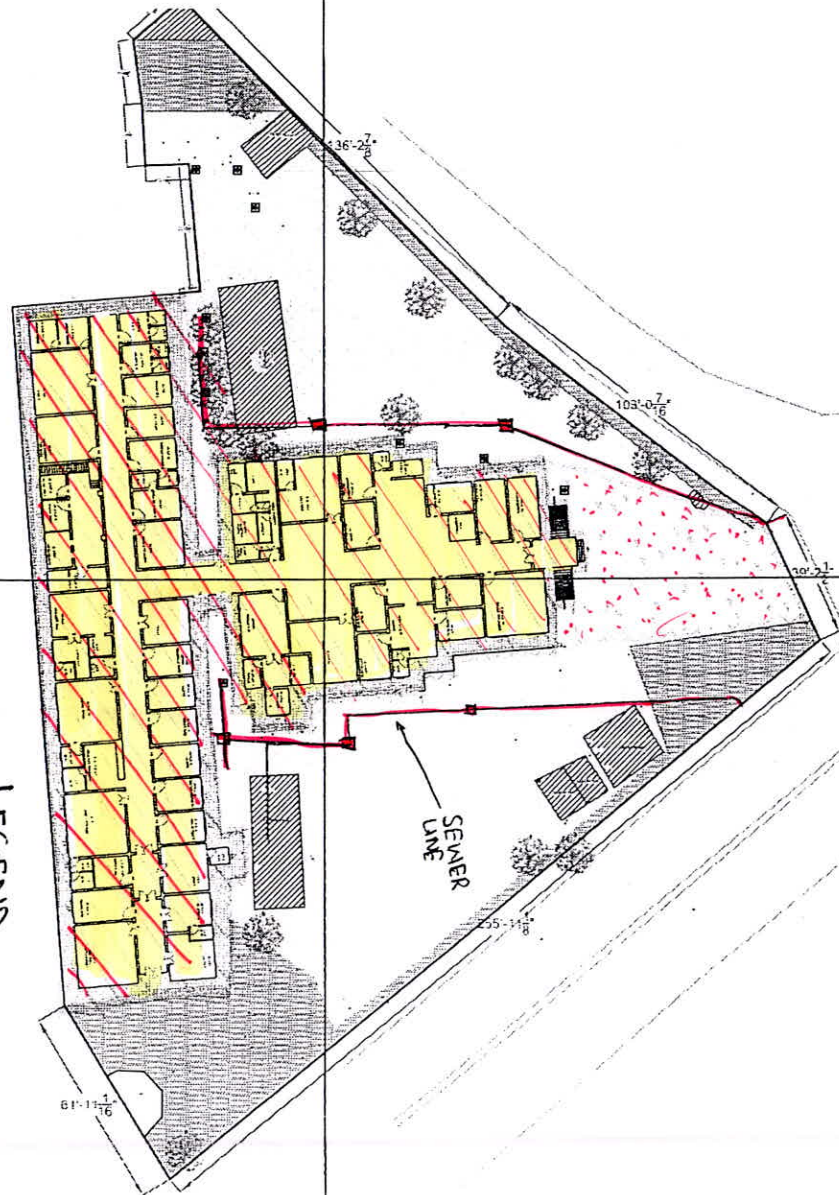
MASTER PLAN OF THQ HOSPITAL CIVIL HOSPITAL MULTAN

PART 1

PART 2

PART 3

PART 4



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	46104.476 SR
AREA OF CLINICAL BLOCK	18545.614 SR
PLINTH AREA OF BLOCK	14944.413 SR

OPENING SCHEDULE OF DOORS AND WINDOWS

DOORS	WIDTH	HEIGHT	WINDOWS	WIDTH	HEIGHT
D1	2'-0"	7'-0"	W1	3'-0"	5'-0"
D2	2'-6"	7'-0"	W2	4'-0"	4'-0"
D3	3'-0"	7'-0"	W3	6'-0"	6'-0"
D4	3'-6"	7'-0"	W4	8'-0"	8'-0"
D5	4'-0"	7'-0"	W5	5'-0"	5'-0"
D6	4'-6"	7'-0"	W6		
D7	5'-0"	7'-0"	W7		
D8	6'-0"	7'-0"	V1	2'-0"	2'-0"
D9	7'-0"	7'-0"	V2		

Project: CAD MAPPING OF TEHSIL HEAD QUARTER HOSPITALS, PUNJAB

Client: Punjab Health Department
Consultant: SKAFS CONSULTANT (PVT) Limited
LIVING AND ENVIRONMENTAL CONSULTANT

Drawing Title: THQ CIVIL HOSPITAL MULTAN HOSPITAL MASTER PLAN

Drawing No: SKAFS/CIVIL-H-MULTAN/03

LEGEND

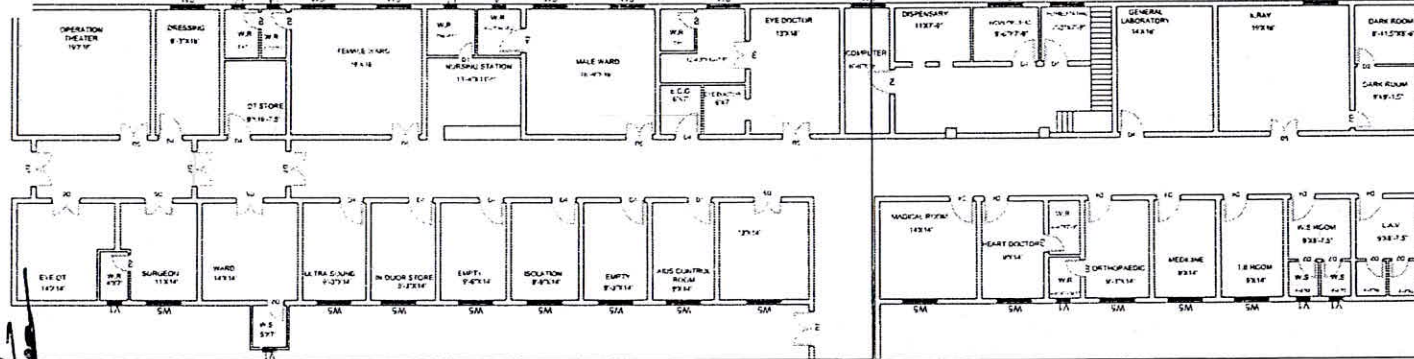
= Resurfacing Area.
 = Road Line.
 = Carpeted Road

Executive Engineer
Buildings Division No. 1
MULTAN

CLINICAL BLOCK OF THQ HOSPITAL CIVIL HOSPITAL MULTAN GROUND FLOOR

PART 1

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	
Air Conditioner	
Tube Light	
Fan	
Roof Light	
Bulb	

AREA

AREA OF BUILDING (SQ. FT.)	46104.476 SR
AREA OF PLINTH (SQ. FT.)	18545.614 SR
PLINTH AREA (SQ. FT.)	16944.413 SR

OPENING SCHEDULE OF DOORS AND WINDOWS

DOOR	WIDTH	HEIGHT	TYPE	WIDTH	HEIGHT
D1	2'-0"	7'-0"	W1	3'-0"	5'-0"
D2	2'-6"	7'-0"	W2	4'-0"	4'-0"
D3	3'-0"	7'-0"	W3	6'-0"	6'-0"
D4	3'-6"	7'-0"	W4	8'-0"	8'-0"
D5	4'-0"	7'-0"	W5	5'-0"	5'-0"
D6	4'-6"	7'-0"	W6		
D7	5'-0"	7'-0"	W7		
D8	6'-0"	7'-0"	V1	2'-0"	2'-0"
D9	7'-0"	7'-0"	V2		

Project:
CAD MAPPING OF TEHSIL
HEAD QUARTER HOSPITALS,
PUNJAB

Client:	Consultant:
GOVERNMENT OF THE PUNJAB PRIMARY & SECONDARY HEALTHCARE DEPARTMENT	SKAFS CONSULTANT (P) LTD. Lahore LAHORE HEADQUARTERS COMPLEX F-10

Drawing Title:
THQ CIVIL HOSPITAL MULTAN
HOSPITAL CLINICAL BLOCK PLAN

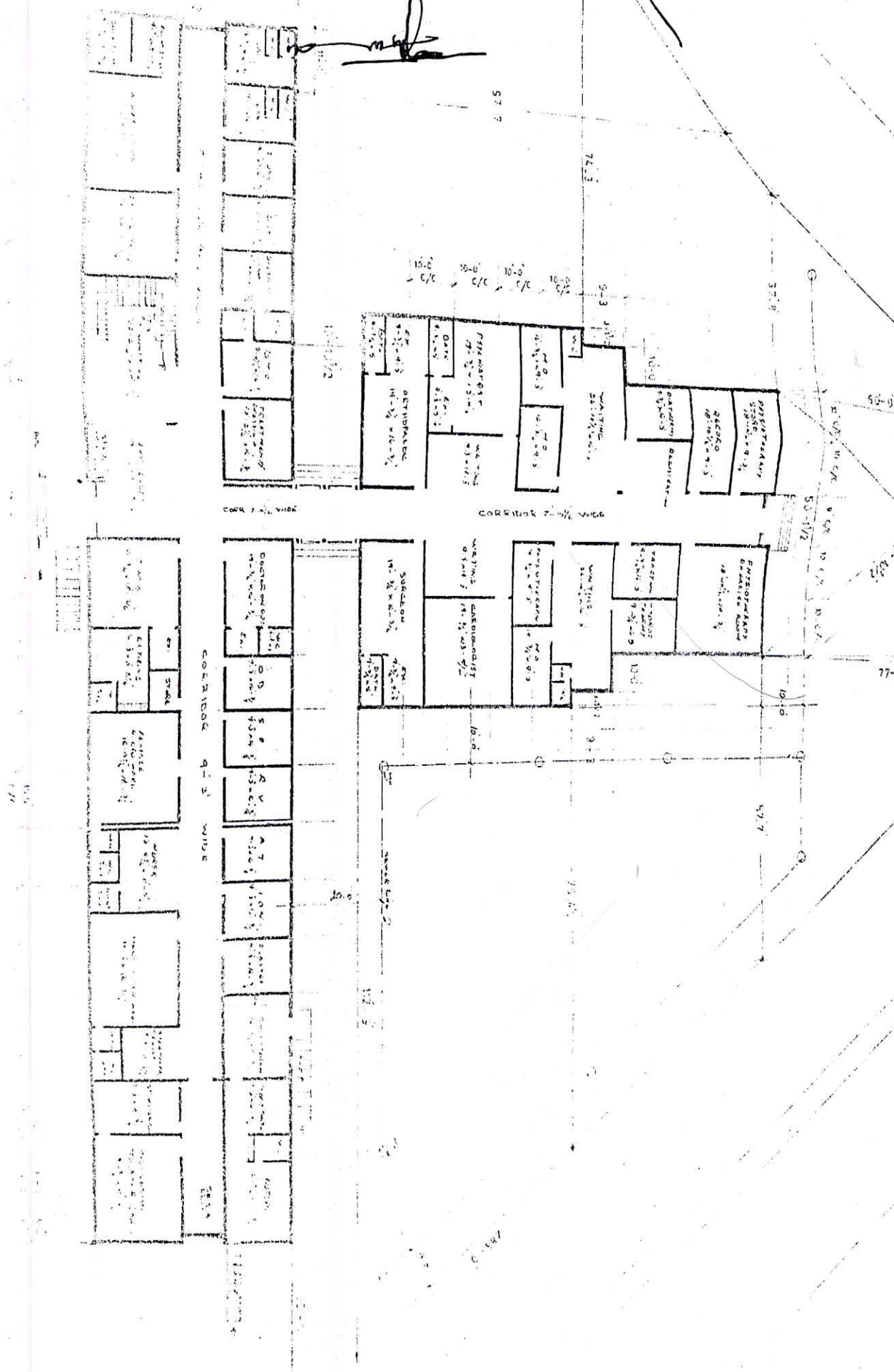
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SKAFS/CIVIL-H-MULTAN/08

Executive Engineer
Buildings Division No. 1
MULTAN

PART 3

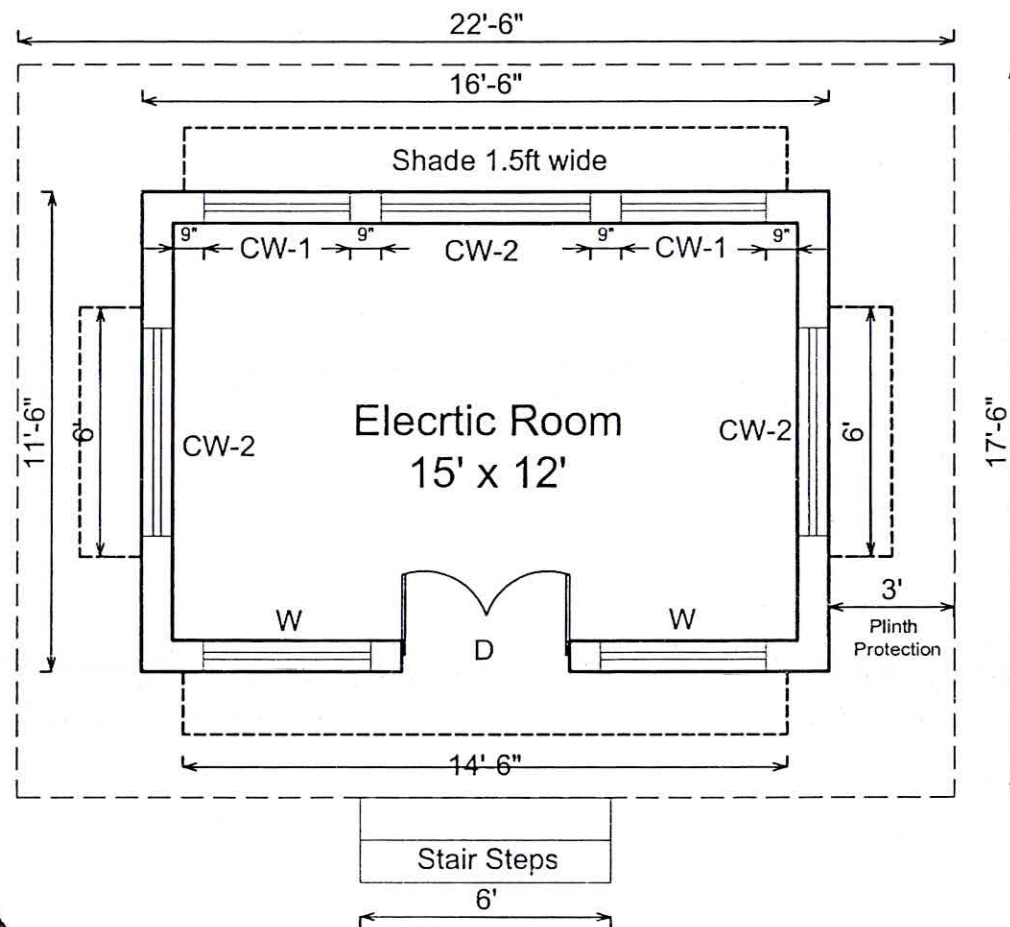
PART 4

Executive Engineer
Buildings Division No. 1
MULTAN



Program for Revamping All THQ Hospitals in Punjab one at Govt. Civil Hospital, Multan.

Layout for the Construction of Electric Room



Roof Height = 12'
Wall Thickness = 9"

D = 5' x 8.5'
W = 4' x 7'
CW-1 = 3.5' x 2.5'
CW-2 = 5' x 2.5'

Sub Engineer

Sub Divisional Officer
Building Sub Division No 1
Multan

Executive Engineer
Building Division No 1
Multan



AXTRON

WATER TECHNOLOGIES

پانی کی صفائی

Date: 20/06/22

200000

1000L PH UF $\frac{1000}{1000} = 1$

44000

2000L UF $\frac{2000}{1000} = 2$

244,000

0300-4773040 - 0300-8688321

axtronpakistan@gmail.com

Lahore Office:

91-A Feroz Pur Road,
Lahore,
0423-7502222

Multan Office:

Near Chowk Lakkar Mandi
Railway Road, Multan.
061-4544442

Bahawalpur Office:

Opp. Sadq Public School
Ahmad Pur Road,
Bahawalpur. 062-2201005

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010049
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:LO22010049
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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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	40.000	24.915	3.848	3.420	4.892	8.082	85.158
Utilization	20.444	24.448	3.594	2.824	4.681	1.136	57.128

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

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

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

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

12.5 RISK MITIGATION PLAN

attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

The Organogram of New 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:

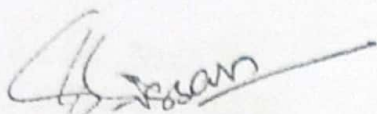
Tel. No.:

Fax No:

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

15. It is certified that the project titled "Revamping of THQ Hospital Civil Hospital, Multan (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.

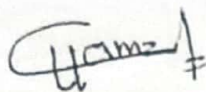
Prepared By:



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

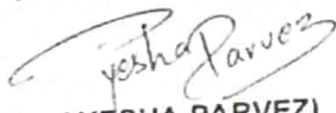


(RIZWAN SHOUKAT)
PROCUREMENT SPECIALIST, (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



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

Checked By:

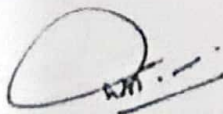


(Dr. AYESHA PARVEZ)
DEPUTY PROJECT DIRECTOR (PMU),
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT, LAHORE
(042-99231206)
(Oct-2022)



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

Approved By:



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

