PC-1

Revamping of THQ Hospital, Jaranwala District Faisalabad

ORIGINAL APPROVED COST	**PKR Million. 381.278/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Jaranwala District Faisalabad

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. FAISALABAD

2.2. TEHSIL(S)

I. JARANWALA

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5271
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

Attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

Quality health care is actually provision of health care by timely, skillful application of medical technology in a culturally sensitive manner within the available resource constraints. Eliminating poor quality involves not only giving better care but also eliminating under provision of essential clinical services (system wide microscopy for diagnosing tuberculosis, for example); stopping overuse of some care (prenatal ultrasonography or unnecessary injections, for example); and ending misuse of unneeded services (such as unnecessary hysterectomies or antibiotics for viral infections). A sadly unique feature of quality is that poor quality can obviate all the implied benefits of good access and effective treatment. At its best, poor quality is wasteful and at its worst, it causes actual harm.

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

The basic mandate of Primary & Secondary Health Department is to focus on preventive health care in primary sector along with basic diagnostics and treatment facilities at secondary level. The context is to primarily lessen the load on tertiary care health establishments and to reduce treatment costs. The major challenge for Primary & Secondary Health Department is to boost the confidence of masses and raise the level of trust in the primary health care system. The reality is that most of the health care establishments at secondary level are not currently providing health care services up to the optimal level, owing to a myriad of reasons including heavy patient load, scarcity of resources, human resource constraints and dysfunctional biomedical and allied equipment.

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

1. Physiotherapy is a “science of healing and art of caring”. It pertains to the clinical examination, evaluation, assessment, diagnosis and treatment of musculoskeletal, Neurological, Cardio-Vascular and Respiratory systems ‘functional disorders including symptoms of pain, edema, and physiological, structural and psychosomatic ailments. It deals with methods of treatment based on movement, manual therapy, physical agents, and therapeutics modalities to relieve the pain and other complications. Hence, Physical therapy covers basic parameters of healing sciences i.e. preventive, promotive, diagnostic, rehabilitative, and curative.

2. Physiotherapy practice has a very long history and a modern clinical practice is heavily reliant on research and evidence based practice. The Primary and Secondary Healthcare Department Government of Punjab attests to this commitment by adopting and promoting the Standards of Practice for Physiotherapy.

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

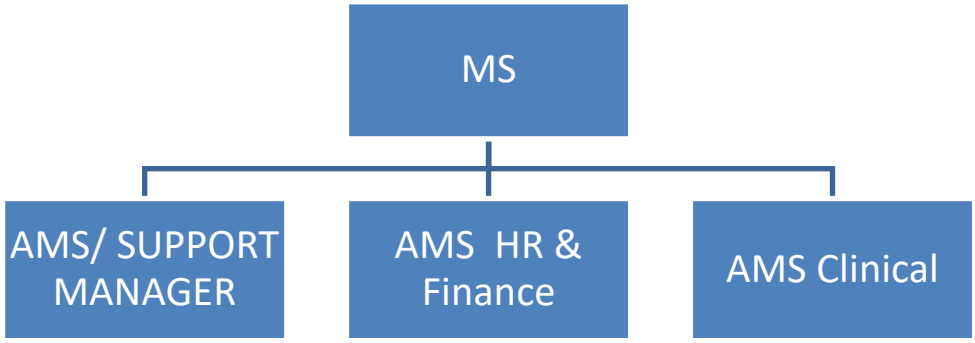
5.4.5 Security

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

5.6 HR & Management Interventions Structure

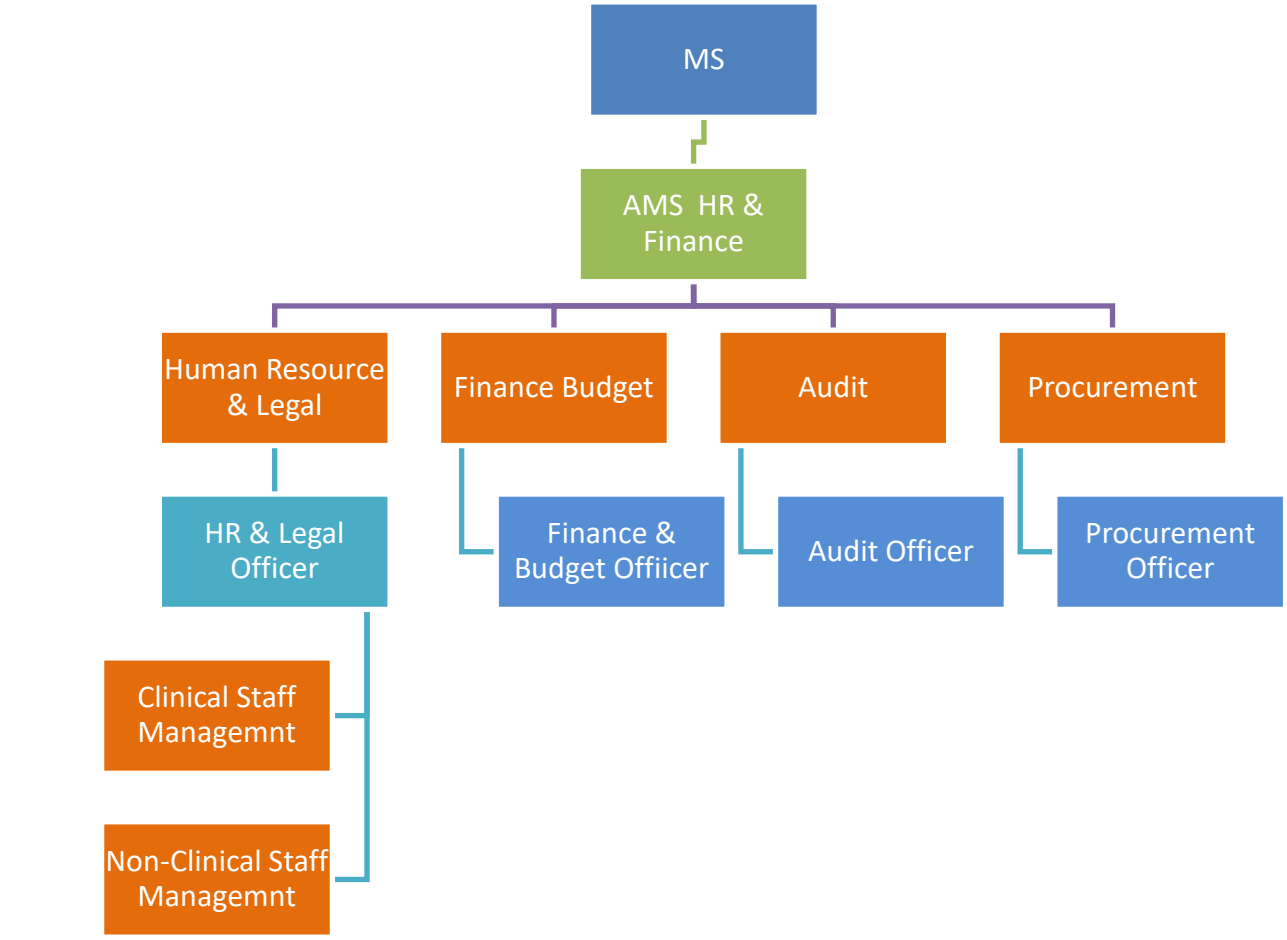
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

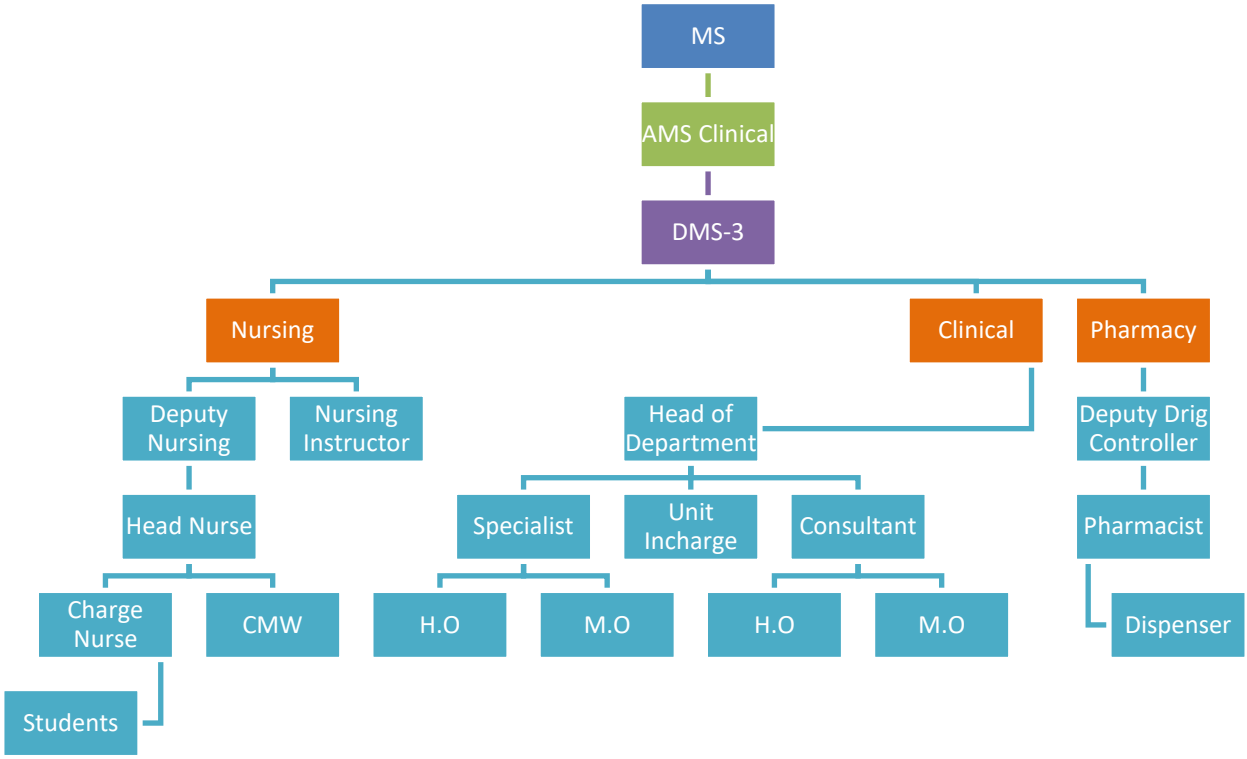
New Organogram of Hospital



MS

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


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


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

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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

   16 years education along with Post graduate diploma in Total Quality Management/ Post graduate diploma in Health Safety and Environmental Management System / Post graduate diploma in Healthcare and Hospital Management / Quality Assurance or equivalent.
2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

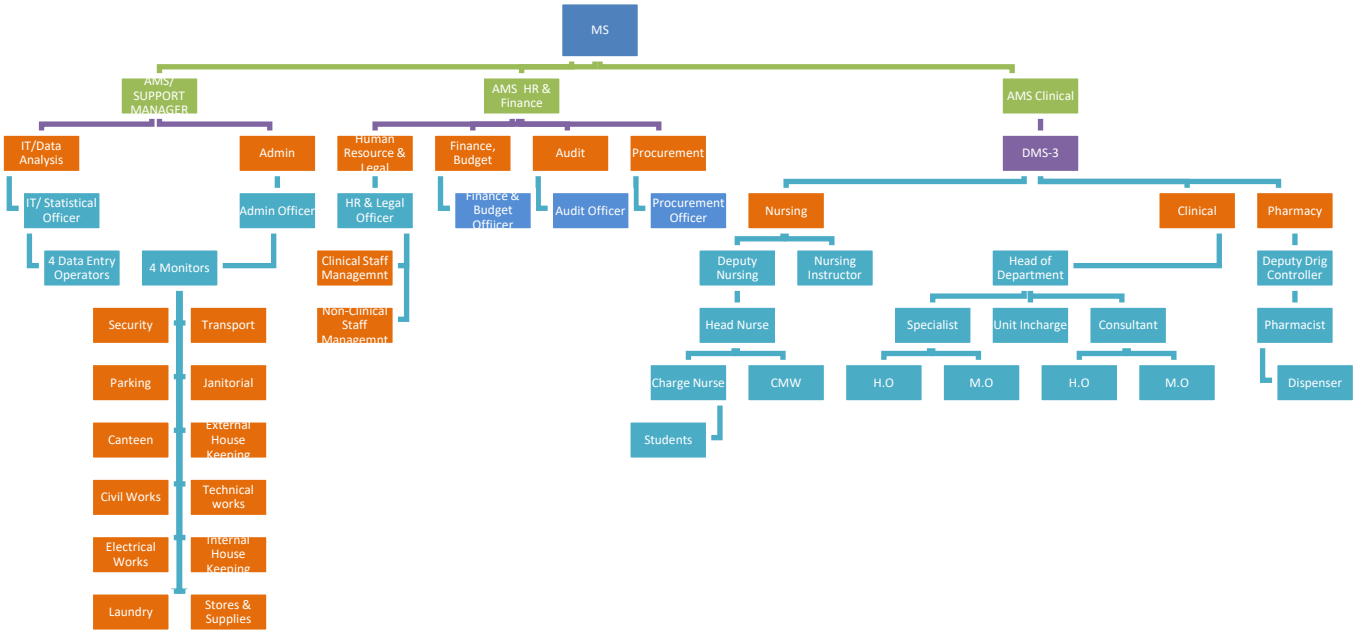
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 <u>O.P.D:</u>

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 <u>Death or End of Life Management</u>.

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 area of The Population of Jaranwala District Faisalabad is more than 0.559 million. The area of the THQ Hospital Jaranwala District Faisalabad is 233,236 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 THQ Hospital, Jaranwala District Faisalabad.

Revamping of THQ Hospital Jaranwala District Faisalabad 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	60th 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.

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

4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been decreased from Rs. 40.494 million to Rs. 43.021 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 Sector, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17011148
A/C To be Credited: Assan Assignment

PKR Million

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

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO21010599
A/C To be Credited: Account-I

PKR Million

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

Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

Abstract of Cost

Name of THQ Hospital	THQ JARANWALA											
	Original			1st Revised			2nd Revised			3rd Revised		
Scope of work	Cost in million											
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal development	0.000	23.905	23.905	0.000	23.905	23.905	25.394	10.000	35.394	24.741	10.000	34.741
External development	0.000	5.047	5.047	0.000	5.047	5.047	12.341	0.000	12.341	14.745	0.000	14.745
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	2.759	0.000	2.759	3.535	0.000	3.535
Total Capital Component	**0.000**	**34.553**	**34.553**	**0.000**	**34.553**	**34.553**	**40.494**	**10.000**	**50.494**	**43.021**	**10.000**	**53.021**
Revenue component												
Emergency	0.000	20.028	20.028	0.000	20.028	20.028	0.000	27.386	27.386	0.000	46.506	46.506
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	69.824	69.824	0.000	69.824	69.824	0.000	94.813	94.813	0.000	152.578	152.578
Electricity	0.000	11.556	11.556	0.000	11.556	11.556	0.000	11.556	11.556	0.000	18.656	18.656
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	3.354	3.354	0.000	3.354	3.354	0.000	4.695	4.695	0.000	4.695	4.695
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	33.790	33.790	0.000	48.034	48.034
LC Deficit during procurement (currency fluctuation)								3.842	3.842		3.842	3.842
Total Revenue component	**0.000**	**160.247**	**160.247**	**0.000**	**160.247**	**160.247**	**0.000**	**217.555**	**217.555**	**0.000**	**328.257**	**328.257**
Outsourcing component												
Janitorial Services	0.000	14.093	14.093	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	5.854	5.854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	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	3.778	3.778	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	4.003	4.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	**0.000**	**41.294**	**41.294**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Total	**0.000**	**236.094**	**236.094**	**0.000**	**194.800**	**194.800**	**40.494**	**227.555**	**268.049**	**43.021**	**338.257**	**381.278**
Contingency (1%) only on Civil Component	0.000	0.346	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	0.000	2.361	2.361	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Validation (TPV) (1%)	0.000	2.361	2.361	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**241.162**	**241.162**	**0.000**	**194.800**	**194.800**	**40.494**	**227.555**	**268.049**	**43.021**	**338.257**	**381.278**

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-		99,750	-		99,750	-		99,750	-
2		Chairs	0		26,775	-		26,775	-		26,775	-		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	141,750	141,750	1	141,750	141,750	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	101,850	-	0	101,850	-	0	101,850	-
5	5	Chairs *(N)	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	5	15,750	78,750	5	15,750	78,750	5	30,000	150,000	5	30,000	150,000
7		Gurney WITH FOOT STEP)*(N)	3	5	420,000	2,100,000	5	420,000	2,100,000	5	460,000	2,300,000	5	800,000	4,000,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	4	33,600	134,400	4	36,000	144,000	4	36,000	144,000
9		Laryngoscope paeds &adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	2	244,733	489,466	2	400,000	800,000	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1,417,500	1,417,500	1	2,000,000	2,000,000	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	2,509,554	2,509,554	1	3,000,000	3,000,000	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	259,350	259,350	1	275,000	275,000	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	304,220	304,220	1	500,000	500,000	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	414,750	414,750	1	800,000	800,000	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	110,000	110,000	1	385,000	385,000	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	441,000	441,000	1	550,000	550,000	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	54,000	54,000	1	54,000	54,000	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	310,000	310,000	1	650,000	650,000	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-		420,000	-		460,000	-		850,000	-
29		Sucker machine *(N)	2		259,350	-		259,350	-		275,000	-		300,000	-
30		Nebulizer HD*(N)	2		125,265	-		125,265	-		215,000	-		300,000	-
31		Center Oxygen supply*N	1		420,000	-		420,000	-		-	-		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-		237,618	-		400,000	-		600,000	-
33		Defibrillator*N	1		302,605	-		302,605	-		650,000	-		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-		104,000	-		160,000	-		225,000	-
35		Bedside-monitor*(N)	4		301,665	-		301,665	-		550,000	-		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-		169,785	-		169,785	-		300,000	-
37		BP APPARATUS*N	1		15,750	-		15,750	-		16,000	-		16,000	-
38		FOOT STEP)*(N)	1		3,150	-		3,150	-		4,000	-		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-		5,250	-		8,000	-		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42	Emergency ward	Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000

Emergency Equipment															
				Original			1st Revised			2nd Revised			3rd Revised		
Sr. No	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49		Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paeds with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52	Generalized	ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				**20,027,695**			**20,027,695**			**27,386,235**			**46,506,200**
						20.028			20.028			27.386			46.506

MSDS

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

MSDS

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

Medical Equipment

				Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1		Semi Auto Clinical Chemistry Analyzer	1	0	1	449,295	449,295	0	1	449,295	449,295	0	1	550,000	550,000	0	1	550,000	550,000
2		Hematology Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
6	**Laboratory**	Water Bath	1	0	1	60,000	60,000	0	1	60,000	60,000	0	1	157,500	157,500	0	1	325,000	325,000
7		Hot air Oven	1	0	1	210,000	210,000	0	1	210,000	210,000	0	1	385,000	385,000	0	1	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	75,000	75,000	0	1	125,000	125,000
9		Auto pipettes	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,500	405,000	0	10	45,000	450,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
12		Static X-ray Machine	1	0	1	4,200,000	4,200,000	0	1	4,200,000	4,200,000	0	1	6,000,000	6,000,000	0	1	#########	12,000,000
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	3,850,524	-	0	0	4,300,000	-	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15	**X-Rays**	Dental X-Ray	0	0	0	282,975	-	0	0	282,975	-	0	0	350,000	-	0	0	525,000	-
16		Lead apron and PPE	2	0	2	52,500	105,000	0	2	52,500	105,000	0	2	60,000	120,000	0	2	85,000	170,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-	0	0	525,000	-
20	**Ultrasound**	Portable/Mobile Ultrasound	0	0	0	1,371,331	-	0	0	1,371,331	-	0	0	1,500,000	-	0	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	5,500,000	5,500,000
22		ICU MONITOR	2	0	2	301,665	603,330	0	2	301,665	603,330	0	2	900,000	1,800,000	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	315,000	-	0	0	315,000	-	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
25	**CCU**	ECG Machine Three Channel	2	0	2	169,785	339,570	0	2	169,785	339,570	0	2	169,785	339,570	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	2,021,838	-	0	0	2,200,000	-	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	4,681,790	-	0	0	4,800,000	-	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
29		Blood Cabinet	1	0	1	690,539	690,539	0	1	690,539	690,539	0	1	700,000	700,000	0	1	1,500,000	1,500,000
30	**Blood Bank**	Centrifuge Machine	2	0	2	149,336	298,673	0	2	149,336	298,673	0	2	250,000	500,000	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	0	1	42,000	42,000	0	1	55,000	55,000	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	0	1	132,825	132,825	0	1	180,000	180,000	0	1	250,000	250,000
33	**Dialysis Unit (10 beds)**	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	0	5	1,050,000	5,250,000	0	5	1,600,000	8,000,000	0	5	3,200,000	16,000,000
34		Baby Cot	10	0	10	14,669	146,685	0	10	14,669	146,685	0	10	16,000	160,000	0	10	16,000	160,000
35		Phototherapy Unit	2	0	2	130,200	260,400	0	2	130,200	260,400	0	2	655,000	1,310,000	0	2	850,000	1,700,000
36		Infant Warmer	2	0	2	335,638	671,276	0	2	335,638	671,276	0	2	985,000	1,970,000	0	2	1,050,000	2,100,000
37	**Nursery**	Pulse Oximeter	6	0	6	104,500	627,000	0	6	104,500	627,000	0	6	160,000	960,000	0	6	225,000	1,350,000
38		Infant Incubator	2	0	2	858,932	1,717,864	0	2	858,932	1,717,864	0	2	900,000	1,800,000	0	2	1,750,000	3,500,000
39		Suction Pump	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	275,000	275,000	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000
41		Anesthesia Machine with Ventilator	1	0	1	2,509,554	2,509,554	0	1	2,509,554	2,509,554	0	1	3,000,000	3,000,000	0	1	7,000,000	7,000,000
42		BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
43		Defibrillator	2	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	0	1	507,530	507,530	0	1	507,530	507,530	0	1	700,000	700,000	0	1	900,000	900,000
45		Operation Table	1	0	1	1,426,215	1,426,215	0	1	1,426,215	1,426,215	0	1	2,000,000	2,000,000	0	1	2,500,000	2,500,000
46	**O.T (04)**	Ceiling Operating Light	1	0	1	413,013	413,013	0	1	413,013	413,013	0	1	800,000	800,000	0	1	950,000	950,000
47		STEAM STERILIZER	1	0	1	3,465,000	3,465,000	0	1	3,465,000	3,465,000	0	1	4,000,000	4,000,000	0	1	7,800,000	7,800,000
48		Suction Pump	2	0	2	259,350	518,700	0	2	259,350	518,700	0	2	275,000	550,000	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	0	4	21,000	84,000	0	4	23,000	92,000	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	0	1	304,220	304,220	0	1	400,000	400,000	0	1	900,000	900,000
52		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	0	0	1,108,740	-	0	0	1,108,740	-	0	0	1,500,000	-	0	0	4,000,000	-
54	**Orthopedic**	Plaster Cutting Pneumatic	1	0	1	276,250	276,250	0	1	276,250	276,250	0	1	450,000	450,000	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	262,500	-	0	0	262,500	-	0	0	300,000	-

Medical Equipment

				Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57	Gynea (20 beds)	Portable/Mobile Ultrasound	1	0	1	1,418,958	1,418,958	0	1	1,418,958	1,418,958	0	1	1,500,000	1,500,000	0	1	2,400,000	2,400,000
58		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
59		Delivery Set	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	40,000	400,000	0	10	65,000	650,000
60		Delivery Table	2	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	55,000	110,000
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	0	2	34,650	69,300	0	2	34,650	69,300	0	2	40,000	80,000	0	2	60,000	120,000
63		Vaccume Extractor	1	0	1	259,350	259,350	0	1	259,350	259,350	0	1	300,000	300,000	0	1	350,000	350,000
64		CTG Machine	1	0	1	628,049	628,049	0	1	628,049	628,049	0	1	725,000	725,000	0	1	900,000	900,000
65		ECG Machine Three Channel	1	0	1	169,785	169,785	0	1	169,785	169,785	0	1	180,000	180,000	0	1	300,000	300,000
66		Portable O.T Light	2	0	2	304,220	608,440	0	2	304,220	608,440	0	2	400,000	800,000	0	2	900,000	1,800,000
67		Baby Cot	2	0	2	14,669	29,337	0	2	14,669	29,337	0	2	16,000	32,000	0	2	16,000	32,000
68		Delivery trolly	2	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500	0	2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1	0	1	144,375	144,375	0	1	144,375	144,375	0	1	175,000	175,000	0	1	200,000	200,000
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	0	0	3,355,849	-	0	0	3,355,849	-	0	0	4,000,000	-	0	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	1,426,215	-	0	0	2,000,000	-	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	0	0	285,466	-	0	0	285,466	-	0	0	400,000	-	0	0	900,000	-
73		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
74		Laryngoscope	0	0	0	9,744	-	0	0	9,744	-	0	0	12,000	-	0	0	20,000	-
75		Set of Surgical Instruments	0	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-
76	Others	Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000
80		BP Appratus	15	0	15	15,750	236,250	0	15	15,750	236,250	0	15	16,000	240,000	0	15	16,000	240,000
81		Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	#########	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	0	4	15,750	63,000	0	4	30,000	120,000	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	0	1	2,470,546	2,470,546	0	1	3,000,000	3,000,000	0	1	3,500,000	3,500,000
104	Dental Unit	Dental Unit	2	0	2	2,190,000	4,380,000	0	2	2,190,000	4,380,000	0	2	2,820,000	5,640,000	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	0	1	441,000	441,000	0	1	550,000	550,000	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	0	1	282,975	282,975	0	1	350,000	350,000	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	94,500	-	0	0	150,000	-	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	84,000	-	0	0	160,000	-	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	0	1	120,750	120,750	0	1	175,000	175,000	0	1	300,000	300,000

Medical Equipment

				Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Available Quantity	Required Quantity	Cost per Unit	Total Cost
110		Curing lights	1	0	1	52,500	52,500	0	1	52,500	52,500	0	1	95,000	95,000	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	0	1	199,601	199,601	0	1	265,000	265,000	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	42,000	-	0	0	70,000	-	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	0	4	157,500	630,000	0	4	175,000	700,000	0	4	175,000	700,000
114		Shortwave diathermy	1	0	1	844,562	844,562	0	1	844,562	844,562	0	1	1,500,000	1,500,000	0	1	2,750,000	2,750,000
115		Infrared Radiation	1	0	1	142,916	142,916	0	1	142,916	142,916	0	1	315,222	315,222	0	1	526,500	526,500
116		TENS(Transcutaneous Electrical Nerve Stimulation)	1	0	1	132,577	132,577	0	1	132,577	132,577	0	1	275,000	275,000	0	1	585,000	585,000
117		Treatment couch	4	0	4	10,080	40,320	0	4	10,080	40,320	0	4	75,000	300,000	0	4	760,500	3,042,000
118		A. Electrical Heating Pads	3	0	3	6,300	18,900	0	3	6,300	18,900	0	3	20,000	60,000	0	3	117,000	351,000
119		B. Hot pack unite	1	0	1	131,782	131,782	0	1	131,782	131,782	0	1	253,485	253,485	0	1	1,053,000	1,053,000
120		C. Paraffin bath	1	0	1	154,082	154,082	0	1	154,082	154,082	0	1	308,071	308,071	0	1	819,000	819,000
121		Therapeutic ULTRASOUND unit	1	0	1	141,748	141,748	0	1	141,748	141,748	0	1	275,000	275,000	0	1	819,000	819,000
122	**Physiotherapy unit**	Treadmill	1	0	1	335,111	335,111	0	1	335,111	335,111	0	1	950,000	950,000	0	1	1,404,000	1,404,000
123		Mats	1	0	1	75,817	75,817	0	1	75,817	75,817	0	1	150,000	150,000	0	1	292,500	292,500
124		Quadriceps Bench	1	0	1	189,164	189,164	0	1	189,164	189,164	0	1	425,000	425,000	0	1	750,000	750,000
125		Ergometer Cycling	1	0	1	66,087	66,087	0	1	66,087	66,087	0	1	175,000	175,000	0	1	409,500	409,500
126		Mirror	1	0	1	24,640	24,640	0	1	24,640	24,640	0	1	45,000	45,000	0	1	400,000	400,000
127		Floor Mounted Parallel Bars	1	0	1	87,821	87,821	0	1	87,821	87,821	0	1	150,000	150,000	0	1	590,000	590,000
128		Pully System	1	0	1	41,826	41,826	0	1	41,826	41,826	0	1	128,594	128,594	0	1	409,500	409,500
129		Trollies	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	35,000	140,000	0	4	50,000	200,000
130		Stool(Steel)	4	0	4	2,520	10,080	0	4	2,520	10,080	0	4	7,000	28,000	0	4	10,000	40,000
131	**Beds**	Fowler beds with Mattress	60	0	60	70,000	4,200,000	0	60	70,000	4,200,000	0	60	110,000	6,600,000	0	60	150,000	9,000,000
		Total					**69,823,875**				**69,823,875**				**94,812,691**				**152,577,638**
							69.824				**69.824**				**94.813**				**152.578**

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**Item Name**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**	**Quantity**	**Per Unit Cost**	**Total Cost**
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	2	1,600,000	3,200,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	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	2	3,400,000	6,800,000
6	2 Ton air conditioners (split)	15	55,500	832,500	15	55,500	832,500	15	55,500	832,500	15	55,500	832,500
7	2 Ton air conditioners (Cabinet)	16	78,000	1,248,000	16	78,000	1,248,000	16	78,000	1,248,000	16	78,000	1,248,000
8	4 Ton air conditioners (Cabinet)	6	120,000	720,000	6	120,000	720,000	6	120,000	720,000	6	120,000	720,000
9	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160
12	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			**11,556,460**			**11,556,460**			**11,556,460**			**18,656,460**
				11.556			**11.556**			**11.556**			**18.656**

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	9,965	69,755	7	9,965	69,755	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	9,116	63,812	7	9,116	63,812	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	110,791	110,791	1	110,791	110,791	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,235	170,820	12	14,235	170,820	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	22,154	22,154	1	22,154	22,154	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,701	29,701	1	29,701	29,701	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,679	36,679	1	36,679	36,679	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,543	44,543	1	44,543	44,543	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,007	52,007	1	52,007	52,007	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,823	23,469	3	7,823	23,469	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,491	325,437	7	46,491	325,437	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	40,563	121,689	3	40,563	121,689	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,496	447,480	5	89,496	447,480	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,140	340,700	5	68,140	340,700	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	50,465	252,325	5	50,465	252,325	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	51,050	255,250	5	51,050	255,250	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,908	90,356	7	12,908	90,356	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,710	74,200	20	3,710	74,200	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	853	93,830	110	853	93,830	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,401	154,110	110	1,401	154,110	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,556	213,360	60	3,556	213,360	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,810	18,100	10	1,810	18,100	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,252	12,520	10	1,252	12,520	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,398	47,960	20	2,398	47,960	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,768	103,840	5	20,768	103,840	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,140	53,500	25	2,140	53,500	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	644	3,220	5	644	3,220	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,126	11,260	10	1,126	11,260	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	875	13,125	15	875	13,125	15	1,225	18,375	15	1,225	18,375
		Total			**3,255,993**			**3,255,993**			**4,558,390**			**4,558,390**
		Designing and Site Supervision			97,680			97,680			136,752			136,752
		Grand Total			**3,353,673**			**3,353,673**			**4,695,142**			**4,695,142**
					3.354			3.354			4.695			4.695

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	TOTAL			**1,600,000**			**1,600,000**			**1,600,000**			**1,600,000**
				1.600			1.600			1.600			1.600

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	**NAME OF POST**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for One Year**	**No. of Employees**	**Per Month Salary**	**Per Month Salary for Person**	**Salary for Two Years**	**No. of Emplyees**	**Project Pay Scale**	**Per Month Salary**	**Per Month Salary for all Person**	**Salary for Two Years**
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	**HR FOR QMS and MSDS and Day Care Center**																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	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								**5.650**				**7.561**					
	Total of HR Component												**33.79**					**48.034**

Janitorial Services

	Original			From 1st Revised to onwards
Assumptions				
Covered area excluding residential area	52,455	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	7	Persons		
Road and ROW area	59,172	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	4	Persons		
Number of washroom blocks	10	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	3	Persons		
Total sweeper in morning shift	14	Persons		
Total number of sweepers in evening shift	7	Persons		
Total number of sweepers in night shift	7	Persons		
Total number of sweepers in all shifts	29	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	29	22,000	7,564,832	
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)			**14,092,832**	
			14.093	

In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:

"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".

In view of above, Outsourcing cost has been excluded from this PC-I.

Security and Parking

	Original				From 1st Revised to onwards
Assumptions					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.
Covered area excluding residences	52,455				
Covered Area per guard	15,000				
Number of guards	**3**				
Open area excluding parking area	59,172				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**4**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**13**				
Total number of all guards for second shift	**7**				
Lady Searcher	**2**				
Number of parking areas	1				
Number of guards for parking lot per shift (Morning+ Evening)	**2**				
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	7	21,525	150,675	1,808,100	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	2	21,525	43,050	516,600	
Parking	2	21,525	43,050	516,600	
Sub total				**5,953,500**	
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				**5,853,500**	
				5.854	

Laundry Services

	Original			From 1st Revised to onwards
Number of beds	60			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	60	30,000	1,800,000	
Transport Charges			1,200,000	
Total for laundry items			**3,000,000**	
Total			**3.000**	

Maintenance of Generator

	Original			From 1st Revised to onwards
Item Name	**Quantity**	**Cost per year**	**Total Cost**	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.
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				1st Revised
Type of worker / Component	**No of workers**	**Salary per month**	**Salary per Month for all persons**	**Salary for One Year**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"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.
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	80	6,665	533,200	533,200	
Fridge	5	4,000	20,000	20,000	
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				**1,174,200**	
General Total				**3,778,200**	
				3.778	

Medical Gases

		Original				1st Revised
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	
Oxygen	Medical Oxygen Gas in 240 CFTCylinder (MM)	12	144	1850	266,400	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.
	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				1st Revised
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
	Total Amount of Platform Construction				**1,225,070**	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazzed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazzed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized Sandwitched board of 0.5 mm thick M.S sheet with 50mm PU insulation with all fittings, complete in all respect.	Sft	2640	400.00	1,055,800	
19	Placing & fixing glass wool complete in all respect.	Sft	3024	50.00	151,200	
20	Placing & fixing Gypsum False Ceiling, complete in all respect.	Sft	3024	70.00	211,680	
21	Providing & Fixing corrugated galvanized iron sheets 22 gauge with EPDM screw fittings, complete in all respect.	Sft	3629	145.00	526,176	
	Total Cost of Pre-Fabrication of Canteen Structure				**3,307,052**	
	Total Amount (Rs)				**4,532,121**	
22	Electrification				998,735	
23	Plumbing and Sanitory				410,000	
24	Kitching Fixtures				802,000	
	Grand Total Amount (Rs)				**6,742,856**	

6.743

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onwards
Sr. No.	**Description**	**Unit**	**Quantity**	**Unit Rate Rs.**	**Amount Rs.**	In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.
1	**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	12,110	20	242,200	
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	31,375	31,375	
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	16,608	7	116,256	
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	20,760	10.00	207,600	
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	85	1,400	119,000	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	20	260	5,200	
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	40	600	24,000	
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	7,549	65	490,685	
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	1,186	185	219,410	
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 .					
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	8,062	11	88,682	
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	10	3,575	35,750	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	13	1,700	22,100	
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	40	185	7,400	
2	**HARD LANDSCAPE**					
2.1	**WALK WAYS**					
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	1661	150	249,150	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	8	14,698	117,584	

LANDSCAPE DEVELOPMENT WORKS
COST ESTIMATE

		Original				From 1st Revised to onwards
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	5	27,700	138,500	
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	7	3,700	25,900	
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	41,520	7.50	311,400	
4	**CONSTRUCTION OF PLANTERS**					
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	162	550	89,100	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	21	550	11,550	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	39	550	21,450	
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000	
	Total Amount of - Landscaping				**3,364,231**	
	PRA(16%)				538,277	
	Design Consultancy				100,000	
	Grand Total				**4,002,508**	
					4.003	

(1)

PROVINCE	*PUNJAB*
DISTRICT	*FAISALABAD*
DIVISION	*BUILDINGS DIVISION No. 2 FAISALABAD.*
SUB DIVISION	*BUILDINGS SUB DIVISION JARANWALA.*
NAME OF WORK	***REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD***
MAJOR HEAD	
MINOR HEAD.	
ESTIMATED COST	Rs. 43.021 (M) ***~~Rs. 27.583~~ Million.***

(2)

From

The Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

To

The Secretary,
Government of the Punjab,
Primary & Secondary Healthcare Department,
Lahore.

Memo No. CEB(CZ)/ 10721 **/D(1), Dated:** 22 **/04/2022.**

Subject: **REVISED ROUGH COST ESTIMATE FOR REVAMPING OF T.H.Q HOSPITAL JARANWALA DISTRICT FAISALABAD .**

The Revised Rough Cost Estimate amounting to ***Rs. 80.880 Million*** based on rates of 1st Bi-annual, 2022 duly signed/vetted by the Chief Engineer, Punjab Buildings Department, Central Zone, Lahore is sent herewith for further necessary action regarding its Administrative Approval and arrangement of funds.

The responsibility regarding all field data 100% lies upon the field formation.

D.A/Estimate
Rs. *80.880* (M)

S/c

DEPUTY DIRECTOR-I
for Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

Endstt: No. CEB(CZ)/ 10722 — 24 **/D(1); Dated:** 22 **/04/2022.**

A Copy is forwarded to the:-

i) Superintending Engineer, Buildings Circle, NO. I, Faisalabad, for information with reference to his memo No. 453/BII, Dated 14.04.2022.
ii) Superintendent Monitoring (Local).
iii) Chief Draftsman (Local).

S/c

DEPUTY DIRECTOR-I
for Chief Engineer,
Punjab Buildings Department,
Central Zone, Lahore

22/4/22

Received letter with estimate

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

COMPARATIVE STATEMENT

Based on M.R.S 1st BI Annual 2022

Sr. #	Description of work	Amount As Per Amended A.A	As PerRevised Rough Cost	Excess / Saving	Remarks
1	**Main Building (Clinical Building)** Repair / Renovation P-11	26504705/-	7927656/-	-18577049	As desired by the client deptt vide letter No. DMO/(P&SHD) Dated 31/07/2022
2	~~E.I Portion~~	~~1669400/-~~		-1669400	
3	P.H Portion	843990/-		-843990	
4	Construction of septic tank	192300/-	-	-192300	
5	Provision of sewerage and manhole	1077400/-		-1077400	
6	Water Filteration Plant i/c Room & Sanitary/Allied item P-28	3084987/-	~~3991737/-~~ 2948572/-	~~-906750~~ -136415	P-28
7	External Road	390300/-		-390300	
8	Fiber Glass Shed	232800/-		-232800	
9	External E.I (HT, LT, panel, DB)	2668700/-	~~11888300/-~~ 11279554	9219600	DB
10	External Water Supply	2165018/-		-2165018	
11	New OPD Building P-61		54264000/-	54264000	
	Total =	38829600/-	~~78071693/-~~ 76419782	39242093/-	
	OHR 10000 Gallons	3600000/-		-3600000/-	
	Total =	42429600/-	~~78071693/-~~ = 76419782/-	35642093/-	

Sr.#	Description of work		Amount As Per Amended A.A	As Per Revised Rough Cost	Excess / Saving	Remarks
	Add 3% for Contingency		1272888/-		-1272888/-	
	Add E I Charges Transformers / Wapda			608781/-	608781/-	
		Total =	43702488/-	~~78071693/-~~ 77028563/-	34369205/-	
	Add 1% for Tree Plantation		437025/-		-437025/-	
		Total =	44139513/-	~~78071693/-~~	33932180/-	
	Add 5% for PST		2206976/-	~~3903584.65/-~~ 3851428/-	~~1696608.65/-~~ 1644452/-	
	Deduction Cost of Old Material		-390306/-		390306/-	
		G. Total =	45956183/-	~~81975277.65/-~~ 80879990/-	36019095	34924 ~~36019000~~ x 100 / 45956000
		Say Rs =	45956000/-	81975000/- 80.880(M)	36019000/- 34924	~~78.38 %~~ 75.99 At Par
		OR =	45.956(M)	~~81.975(M)~~	~~36.019(M)~~	

Superintending Engineer
Buildings Circle No-1,
Faisalabad

Executive Engineer,
Buildings Division No.2,
Faisalabad.

~~Sub Divisional Officer,~~
Buildings Sub Division,
Jaranwala

S.E

36019277/-

TECHNICALLY VETTED
For Rs. 80.880 (Million)
Rupees Eighty point eight eight zero million only

Chief Engineer | Deputy Director | Chief Draftsman
Punjab Buildings Deptt. Central Zone Lahore

DETAILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

FILTERATION PLANT I/C ROOM (ABSTRACT OF COST)		
Based on MRS 1st BI 2022 (1st Jan 2022 to 30th June 2022)		
S. No.	Description	Amount
1	CONSTRUCTION OF ROOM (15'x12') I/C 6' WIDE VER.	Rs. 1686109
2	SANITARY / ALLIED WORKS	Rs. 396754
3	FILTRATION PLANT (REVERSE OSMOSIS)	Rs. 1906875
	TOTAL	Rs. 3991737
	SAY	Rs. 3991737

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

Executive Engineer
Buildings Division No. 2
Faisalabad

(6) 24

ETAILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

(ABSTRACT OF COST)

Based on MRS 1st BI 2022 (1st Jan 2022 to 30th June 2022)

S. No.	Description	Amount
1	CONSTRUCTION OF ROOM (15'x12') I/C 6' WIDE VER. Plinth area = 180 sft @ 2687 = 7200/-	Rs. ~~1417700~~
2	E.I PORTION 270-sft @ 163	Rs. ~~270409~~ 44010/-
	TOTAL Plinth area	Rs. ~~1688109~~ 764100/-

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

S.T.E

Executive Engineer
Buildings Division No. 2
Faisalabad

NILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

(ABSTRACT OF COST)

MRS 1st BI-ANNUAL 2022

Description	Amount
SANITARY / P.H PORTION FOR PLANT	Rs. 151557
P/F GOLDAMATIC PUMP AND TANKI FOR WATER SUPPLY etc.	Rs. 91876
SEWERAGE SYSTEM	Rs. 153321
TOTAL	Rs. 396754

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

Executive Engineer
Buildings Division No. 2
Faisalabad

(8)

No. PMU/(P&SHD)/2022/0163
PROJECT MANAGEMENT UNIT
P&S HEALTHCARE DEPARTMENT
(31-E/1, Shahrah-e-Hazrat Imam Hussain
Gulberg-III, Lahore, Ph: 042-99231208)
Dated: March 31st, 2022

To

Medical Superintendent
Tehsil Headquarter Hospital Jaranwala,
District Faislabad.

SUBJECT: REVAMPING OF THQ HOSPITAL JARANWALA.

In reference to our visit to above said health facility dated 17th March 2022, along with you and your team. During visit, you were of the view that the existing tile flooring and dado are in good condition, thus, their replacement will be wasteful and of the opinion that only 2-3 rooms are available in OPD for accommodation of sixteen doctors. At this time doctors are adjusted in Trauma center and other places, thus creating a mess of public in this regard, hence along with that all the Attendants/Patients are sitting under fiber glass sheds for their registration, which are open to weather, so very much in humanitarian to them. You recommended to construct a purpose built OPD block comprising of fourteen to sixteen rooms with sufficient waiting area for Pu[illegible]/Patients. You further advised to widen the central corridor between OPD and indoor block whi[illegible]s a bottleneck creating a mess of public in visiting hours.

In this Regard please find enclosed the drawings for the scope desired by you. [illegible] are requested to get these drawings vet in order to proceed further and to construct a purpose built block of new OPD.

Project Manager Civil
PMU, P&SHD

A copy is forwarded for information to the:

1. Project Director, PMU, P&SHD.
2. Deputy Project Director, PMU, P&SHD.
3. Director Infrastructure, PMU, P&SHD.
4. Executive Engineer Buildings Division-II District Faislabad.
5. Sub Divisional Officer Jaranwala.
6. Office copy I&C wing.

Primary & Secondary Healthcare

(PKR Million)

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 22	Provision for 2022-23			MTDF Projections		Throw fwd Beyond June, 2025
				Cap.	Rev.	G.Total (Cap.+Rev.)	2023-24	2024-25	
1	2	3	4	5	6	7	8	9	10
656	Establishment of Cardiac Ward at RHC Khan Bela, Tehsil Liaquatpur, District Rahim Yar Khan 01032107937 / 17-07-2021 / Rahim Yar Khan	43.659	5.000	1.000	0.000	1.000	37.659	0.000	0.000
657	Establishment of THQ Hospital Bhowana District Chiniot 01081100024 / 16-05-2012 / Chiniot	397.804	125.000	10.000	0.100	10.100	262.704	0.000	0.000
658	Programme for Revamping of all THQ Hospitals in Punjab 01371700456 / 12-02-2019 / Punjab	22,060.239	6,446.220	1,300.000	500.000	1,800.000	7,826.305	5,987.715	0.000
659	Upgradation of Existing Trauma Centers and Establishment of New Trauma Centers across the Punjab 01372100633 / 30-07-2021 / Punjab	5,000.000	1,002.774	0.000	100.000	100.000	3,045.597	0.000	0.000
660	Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab 01372101939 / 30-07-2021 / Punjab	4,940.000	1,283.000	900.000	400.000	1,300.000	1,632.151	0.000	0.000
661	Establishment of a Health Facility in Rakni,District Barkhan Balochistan 01372154482 / 01-02-2022 / Punjab	589.021	240.000	0.000	10.000	10.000	339.021	0.000	0.000
Total: Secondary Health Care		89,810.279	39,189.028	2,801.527	1,767.145	4,568.672	34,104.178	9,538.224	0.000
Special Initiatives									
662	Prime Minister Health Initiative 01371900805 / 21-11-2019 / Punjab	2,524.446	1,297.517	0.000	650.000	650.000	576.929	0.000	0.000
Total: Special Initiatives		2,524.446	1,297.517	0.000	650.000	650.000	576.929	0.000	0.000
Total: ON-GOING SCHEMES		138,585.819	55,742.571	3,946.086	6,147.094	10,093.180	56,959.869	13,661.603	0.000
NEW SCHEMES									
Preventive Health Care									
663	Integrated Program for Communicable Disease Control, Punjab 01372001521 / Un-Approved / Punjab	1,000.000	0.000	0.000	200.000	200.000	800.000	0.000	0.000
664	Infection Control Program Phase (II) 01372200879 / Un-Approved / Punjab	1,000.000	0.000	0.000	200.000	200.000	800.000	0.000	0.000
665	National Health Support Project (NHSP) 01372202153 / Un-Approved / Punjab	3,870.000	0.000	0.000	10.000	10.000	3,860.000	0.000	0.000
666	Strengthening of Family Planning Services in Primary & Secondary Health Facilities 01372202154 / Un-Approved / Punjab	4,000.000	0.000	0.000	10.000	10.000	3,990.000	0.000	0.000
667	Strengthening of Preventive Programs 01372202162 / Un-Approved / Punjab	1,000.000	0.000	0.000	400.000	400.000	600.000	0.000	0.000
Total: Preventive Health Care		10,870.000	0.000	0.000	820.000	820.000	10,050.000	0.000	0.000
Primary Health Care									
668	Strengthening of Urban Dispensaries / Filter Clinics 01372202161 / Un-Approved / Punjab	400.000	0.000	100.000	150.000	250.000	150.000	0.000	0.000
669	Replacement of Beds and Other Equipment at BHUs of Punjab 01372202278 / Un-Approved / Punjab	400.000	0.000	0.000	400.000	400.000	0.000	0.000	0.000

Primary & Secondary
Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 28-01-, 2022

ORDER

No.PO(D-II)Revamping/P-I/21: In supersession of this Department's order of even number, as per instructions issued by Planning & Development Board vide letter No.7(78)/PO(PB)/P&D/2021, dated 17.12.2021, the Governor of the Punjab is pleased to accord amended Administrative Approval of 04 sub- schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" GS No. 792 of ADP 2021-22 at a cost mentioned against each scheme, with already approved scope and gestation period upto 30-06-2023:

(Rs. In million)

Sr. No.	Hospital	Capital Component	Revenue Component	Total Cost
1.	Revamping of THQ Hospital Ahmedpur Sial District Jhang	36.785	191.004	227.789
2.	Revamping of THQ Hospital Kharian District Gujrat	16.992	202.032	219.024
3.	Revamping of THQ Hospital Thal (Nawaz Sharif Hospital) District Layyah	61.172	216.699	277.871
4.	Revamping of THQ Hospital Chak Jhumra District Faisalabad	48.733	195.857	244.590
5.	Revamping of THQ Hospital Jaranwala District Faisalabad	45.956	227.555	273.511
6.	Revamping of THQ Hospital Kahuta District Rawalpindi	42.575	199.102	241.677

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

NO. & DATE EVEN:

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

1. Accountant General, Punjab, Lahore.
2. Chief (Health-II), Planning & Development Department, Lahore.
3. Director General Health Services, Punjab, Lahore.
4. Chief Engineer (North, Central, South Zones), Buildings Department, Lahore.
5. Project Director, Project Management Unit, P&SH Department.
6. District Accounts Officer, Concerned District
7. Chief Executive Officer, District Health Authority, Concerned District
8. Section Officer (Health-I), Finance Department.
9. Budget Officer-I & III, Finance Department.
10. All Planning Officer, P&SH Department.
11. PS to Secretary, P&SH Department.
12. PA to Special Secretary (Development), P&SH Department.
13. PA to Additional Secretary (Dev. & Fin.), P&SH Department.
14. PA to Additional Secretary (Dev. & Coord.), P&SH Department.

PLANNING OFFICER (D-II)

(4)

REVISED ROUGH COST ESTIMATE FRAMED BY THE EXECUTIVE ENGINEER BUILDINGS DIVISION NO.2 FAISALABAD FOR THE WORK

REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD.

HISTORY:-

The rough cost estimate for the above cited work has amended administratively been approved by the Secretary P&SH Department Lahore vide letter No.PO (D-II)Revamping/P-1/21, dated 28.01.2022 in the tune of ~~Rs. 27.583~~ (M).

Rs. 28.069 (M) 37.512

Now the Revised rough cost estimate has been framed amounting to ~~**Rs. 27.583 (M)**~~ by the Verbal Direction Director PMU Convey and forwarded to the competent authority for getting Administrative Approval .

SCOPE OF WORK

The following scope of work is provided in the Revise rough Cost estimate.

1.	Main Building (Repair/Renovation)	1 Job
2.	Water Filtration Plant.	1 No
3.	Altration of OPD G.F	1Job

SPECIFICATION

The work will be carried out according to Buildings Department Specification of latest edition and to the entire satisfactory of the Engineer In charge.

CARRYING OUT OF WORK

The work will be carried out through approved contractor after calling competitive tenders.

RATES MRS BI annual period (1st July 2022 to 31th Dec 2022) has been applied for preparation of detailed estimate.

Rs. 43.021 (M)

COST Total cost of this scheme works out to ~~**Rs. 27.583(M)**~~

TIME It will take about 18 months to complete the work from actual date of Commencement

LAND There is no cost of land in this estimate, land is available by client.

EXECUTIVE ENGINEER,
Buildings Division No.2
Faisalabad

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

COMPARATIVE STATEMENT

Based on M.R.S 2nd Bi Annual 2022

Sr. #	Description of work	Amount As Per Amended A.A	As PerRevised Rough Cost	Excess / Saving	Remarks
1	**Main Building (Clinical Building)** Repair / Renovation	26504705/-	~~8578327/-~~ 7614759/-	~~-17926378~~ -26789867/-	
2	E.I Portion	1669400/-		-1669400	
3	P.H Portion	843990/-		-843990	
4	Construction of septic tank	192300/-		-192300	
5	Provision of sewerage and manhole	1077400/-		-1077400	
6	Water Filteration Plant	3084987/-	3535163/-	450176	
7	External Road	390300/-		-390300	
8	Fiber Glass Shed	232800/-		-232800	
9	External E.I	2668700/-	11109490/-	8440790	
10	External Water Supply	2165018/-		-2165018	
11	Extention of Corridoor.		17126128/- ~~2374000/-~~	17126128/- ~~2374000~~	
	Total =	**38829600/-**	~~25596980/-~~ 39385540/-	~~-13232620/-~~ 555940/-	

Sr. #	Description of work		Amount As Per Amended A.A	As PerRevised Rough Cost	Excess / Saving	Remarks
	OHR 10000 Gallons		3600000/-		-3600000/-	
		Total =	42429600/-	~~25596980/-~~ 39385540	~~-16832620/-~~	
	Add 3% for Contingency		1272888/-	1181566	~~-1272888/-~~	
	Add E.I Charges			~~672426.55/-~~	~~672426.55/-~~	
		Total =	43702488/-	~~26269406.55/-~~ 40567106/-	~~-17433081.45/-~~	
	Add 1% for Tree Plantation		437025/-	405671/+	-437025/-	
		Total =	44139513/-	~~26269408.55/-~~ 40972777/-	~~-17870106.45/-~~	
	Add 5% for PST		2206976/-	~~1313470.328/-~~ 2048639/-	~~893505.6725/-~~	
	Deduction Cost of Old Material		-390306/-		390306/-	
		G. Total =	45956183/-	43021416/- ~~27682876.68/-~~	~~-18373306~~ -18373000 x 100 / 45956000	
		Say Rs =	45956000/-	~~27583000/-~~ 43021000/-	~~-18373000/-~~ -39.98 %	
		OR =	45.956(M)	~~27.583(M)~~	-18.373(M)	

Rs. 43.021 (M)

Technically vetted for
Amounting to Rs: ~~27.583~~ 43.021 (M)

Superintending Engineer
Buildings Circle No.1.
Faisalabad.

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

(13)

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

ABSTRACT OF COST (REPAIR / RENOVATION OF MAIN BUIDLING) BUILDING PORTION

Based on M.R.S 1st Bi Annual 2022

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	Dismantling brick or flagged flooring W/O concrete foundation.	29415 Sft	%Sft	718.10	211229 /-	0 Sft	%Sft		0 /-	-211229	
2.	Rehandling of earth lead up to 50'.	12237 Cft	%0Cft	2956.80	36182 /-	0 Cft	%0Cft		0 /-	-36182	
3.	Single layer of tile 9"x4½"x1½" laid over 4" earth and 1" mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c poly thene sheet 300 SWG.	29115 Sft	%Sft	9831.40	2862412 /-	0 Sft	%Sft		0 /-	-2862412	
4.	Making khurras on roof 2'x2'x6"	75 No	Each	695.80	52185 /-	0 No	Each		0 /-	-52185	
5.	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with `D' Class working pressure complete in all respects:-) 4" i/d (100 mm)	1338 Rft	P Rft	657.75	880070 /-	0 Rft	P Rft		0 /-	-880070	
ii.	Providing and installing P.V.C. bends, of B.S.S. i) ii) Class `D' working pressure:- e) 4" i/d (100 mm)	75 No	Each	680.15	51011 /-	0 No	Each		0 /-	-51011	
iii.	Providing and installing P.V.C. tees, of B.S.S. i) ii) Class `D' working pressure:- e) 4" i/d (100 mm)	75 No	Each	1360.90	102068 /-	0 No	Each		0 /-	-102068	
6.	Cement pointing deep struck joints on walls upto 20' height ratio (1:2) up to 20' height.	36529 Sft	%Sft	2898.25	1058702 /-	0 Sft	%Sft		0 /-	-1058702	
7.	Cement pointing deep struck joints on walls above 20' height ratio (1:2) above 20' height.	6018 Sft	%Sft	3248.85	195516 /-	Sft	%Sft		0 /-	-195516	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
8.	P/A weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect 2 coats on surface.	36529 Sft	%Sft	3500.40	1278661 /-	0 Sft	%Sft		0 /-	-1278661	
9.	P/A weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect 2 coats on surface above 20' height.	6018 Sft	%Sft	3227.55	194234 /-	0 Sft	%Sft		0 /-	-194234	
10.	Cement pointing deep struck joints on walls upto 20' height ratio (1:2) with red oxide pigment.	801 Sft	%Sft	3486.25	27925 /-	0 Sft	%Sft		0 /-	-27925	
11.	Dismantling glazed or encaustic tiles.	4345 Sft	%Sft	2006.40	87178 /-	1097 Sft	%Sft	2391.85	26239 /-	-60939	
12.	Providing and laying porcelain tiles flooring16"x16"x3/8" light colour laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect. (Master DWV series class sb or equivalent) as approved by Engineer Incharge.	4345 Sft	P Sft	263.20	1143604 /-	0 Sft	P Sft		0 /-	-1143604	
ii	Providing and laying porcelain tiles flooring 24"x24"x3/8" light colour laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect. (Master DWV series class sb or equivalent) as approved by Engineer Incharge.					1097 Sft	P Sft	341.95	375119 /-	375119	
13.	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 and lift upto 5 ft. (in ordinary soil.)	1122 Cft	%0Cft	8949.60	10041 /-	0 Cft	%0Cft		0 /-	-10041	
14.	Cement concrete brick or stone ballast 1-1/2" to 2" gauge ratio (1:6:18).	249 Cft	%Cft	14077.20	35052 /-	0 Cft	%Cft		0 /-	-35052	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (1st Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
15.	Pacca brick work foundation and plinth in cement sand mortar Ratio 1:6	1005 Cft	%Cft	25594.80	257228 /-	0 Cft	%Cft		0 /-	-257228	
16.	Filling watering ramming earth under floors with surplus earth from foundation	748 Cft	%0Cft	4303.20	3219 /-	0 Cft	%0Cft		0 /-	-3219	
17.	Filling watering ramming earth under floors with new earth excavated from out side lead upto 3 mile.	1903 Cft	%0Cft	15564.60	29619 /-	0 Cft	%0Cft		0 /-	-29619	
18.	Dismantling cement concrete plain (1:2:4).	800 Cft	%Cft	9292.80	74342 /-	68 Cft	%Cft	11209.45	7622 /-	-66720	
19.	Dismantling mud concrete.	1209 Cft	%Cft	1689.60	20427 /-	135 Cft	%Cft	2038.10	2751 /-	-17676	
20.	Rehandling of earth lead up to 50'.	1209 Cft	%0Cft	2956.90	3575 /-	101 Cft	%0Cft	3566.65	360 /-	-3215	
21.	Supply and filling sand under floor or plugging into wells.	1579 Cft	%Cft	2872.00	45349 /-	101 Cft	%Cft	2944.60	2974 /-	-42375	
22.	Dry rammed brick or stone ballast 1-1/2" to 2" gauge.	1579 Cft	%Cft	5742.00	90666 /-	101 Cft	%Cft	9035.40	9126 /-	-81540	
23.	P/L 1-1/2" thick Conglomarte flooring with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" thick cement concrete 1:2:4, including rubbing w/o polishing, complete with finishing using grey cement:	8094 Sft	%Sft	15817.75	1280289 /-	540 Sft	%Sft	7711.65	41643 /-	-1238646	
24.	P/F marble strips 1-1/2"x3/8" wide strip of any shade for dividing floor into panells.	4856 Rft	P Rft	15.85	76968 /-	324 Rft	P Rft	19.80	6415 /-	-70553	
25.	Distempring 2-coats on old surface after scraping old one.	16907 Sft	%Sft	1138.65	192512 /-	0 Sft	%Sft		0 /-	-192512	
ii.	Distempring 1-coat on old surface after scraping old one.	25360 Sft	%Sft	505.05	128081 /-	0 Sft	%Sft		0 /-	-128081	
iii	scraping Ordinary distemper, oil bound distemper or paint of wall.					~~132044~~ 124000 Sft	%Sft	764.30	~~1009212 /-~~ 947732/-	~~1009212~~ 947732/-	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
iv	Preparing surface and painting with emulsion paint:- 2-coats					~~132044~~ 124000 Sft	%Sft	2065.65	~~2727567/-~~ 2561406/-	~~2727567~~ 2561406/-	
26.	Distempring 2-coats on old surface after scraping old one.	35911 Sft	%Sft	1263.65	453789 /-	0 Sft	%Sft		0 /-	-453789	
ii.	Distempring 1-coat on old surface after scraping old one.	53866 Sft	%Sft	630.05	339383 /-	0 Sft	%Sft		0 /-	-339383	
27.	Preparing surface and painting of doors and windows any type on new surface 2 coats.	8159 Sft	%Sft	1382.35	112786 /-	8159 Sft	%Sft	2048.10	167104 /-	54318	
28.	Preparing surface and painting sashes, fanlights, glazed or gauzed doors and windows 2 coats on old surface	11895 Sft	%Sft	847.60	100822 /-	7930 ~~11895~~ Sft	%Sft	1031.20	81774/- ~~122661 /-~~	19047 ~~21839~~	
29.	Removing cement or lime plaster.	6325 Sft	%Sft	352.00	22264 /-	0 Sft	%Sft		0 /-	-22264	
30.	Applying floating coat of neat cement 1/32" thick.	6325 Sft	%Sft	1517.75	95998 /-	0 Sft	%Sft		0 /-	-95998	
31.	Cement Plaster 1/2" thick upto 20' height (1:4).	6325 Sft	%Sft	2661.85	168362 /-	0 Sft	%Sft		0 /-	-168362	
32.	P/F False Ceiling consisting of Lamenated Gypsum Board (One side laminated) of size 2' x 2' x 7mm over aluminum Tees 1" x 1" size at 2' at corners/ends i/c all accessories such as steel hanging wire hooks screws nails rowel plug cross joints etc complete in all respect and as approved by the Engineer Incharge.	5910 Sft	P Sft	77.35	457139 /-	0 Sft	P Sft		0 /-	-457139	
33.	P/F PVC Wall panelling of approved colour and design comparising of venyle PVC 1.5mm thich & 10" wide strips double sheet braced apart overall thickness 8.5mm i/c PVC Gola at Top/Corner and PVC channel at bottom fixed on wall with special clips and steel screws/ nails etc complete in all respect and as approved by the Engineer Incharge.	15443 Sft	P Sft	120.00	1853160 /-	0 Sft	P Sft		0 /-	-1853160	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
34.	P/F lead sheet for X-ray rooms 2mm thick for protection against radiation, caping i/c cutting to required size providing 4" for laps where necessary i/c cost of screws, nails, rowal bolts and drilling holes in walls complete as approved by the Engineer Incharge.	1334 Sft	P Sft	850.00	1133900 /-	1334 Sft	P Sft	850.00	1133900 /-	0	
35.	Dismantling glazed or encaustic tiles.	22344 Sft	%Sft	2006.40	448310 /-	0 Sft	%Sft		0 /-	-448310	
36.	Removing cement or lime plaster.	533 Sft	%Sft	352.00	1876 /-	0 Sft	%Sft		0 /-	-1876	
36.	Providing and laying porcelain tiles dado/skirting 24"x24"x3/8" light colour laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect. (Master DWV series class sb or equivalent) as approved by Engineer	22877 Sft	P Sft	263.20	6021226 /-	0 Sft	P Sft		0 /-	-6021226	
37.	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. (b) Bevelled edges & flange 21.5 mm (iii)600 mmX 600 mm	1556 Sft	P Sft	516.00	802896 /-	1196 ~~1656~~ Sft	P Sft	516.00	617136/- ~~802896~~ /-	-185760/- 0	
38.	Floor Antistatic homogenious vinyl flooring size of 2.00 ... solid block 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. ...resistance, self levelling compound ... floor as approved by Engineer Incharge.	1556 Sft	P Sft	756.00	1176336 /-	1196 ~~1656~~ Sft	P Sft	756.00	904176/- ~~1176336~~ /-	-272160/- 0	
38.	Supply and installation premimum 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 (b) 2.5mm thick	3276 Sft	P Sft	850.00	2784600 /-	2364 ~~3276~~ Sft	P Sft	260.00	614640/- ~~851760~~ /-	-2169960/- ~~-1932840~~	

Abstract (M.B)

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Detailed Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
39.	P/F stainless steel L section size 1-1/2" x 1-1/2" etc complete in all respect as approved by Engineer Incharge.	750 Rft	P Rft	85.00	63750 /-	750 Rft	P Rft	85.00	63750 /-	0	
40.	Distempring 2-coats on old surface after scraping old one.	1429 Sft	%Sft	1138.65	16271 /-	1429 Sft	%Sft	1480.75	21160 /-	4889	
ii.	Distempring 1-coat on old surface after scraping old one.	2143 Sft	%Sft	505.05	10823 /-	2143 Sft	%Sft	568.10	12174 /-	1351	
41.	Preparing surface and painting of doors and windows any type on new surface 2 coats.	773 Sft	%Sft	1382.35	10686 /-	773 Sft	%Sft	2048.10	15832 /-	5146	
42.	Preparing surface and painting sashes, fanlights, glazed or gauzed doors and windows 2 coats on old surface.	234 Sft	%Sft	847.60	1983 /-	234 Sft	%Sft	737.50	1726 /-	-257	
				Total =	26504705 /-			Total =	7614759/- ~~8578327~~ /-	~~17926378~~	26789867/-
				Say =	26504705 /-			Say =	~~8578327~~ /- 7614759/-	~~17926378~~	26789867/-

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

Based on MRS 2nd BI 2022
1st July 2022 to 31th Dec 2022

CLINICAL BUILDING

11. Dismantling glazed or encaustic tiles.

Corridor	1	x	69 3/8	x	7	=	486	Sft
Waiting	1	x	20 3/4	x	10	=	208	Sft
//	1	x	20 3/4	x	8 3/4	=	182	Sft
//	1	x	15	x	14 3/4	=	221	Sft
					Total	=	**1097**	**Sft**

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

Corridor	1	x	69 3/8	x	7	=	486	Sft
Waiting	1	x	20 3/4	x	10	=	208	Sft
//	1	x	20 3/4	x	8 3/4	=	182	Sft
//	1	x	15	x	14 3/4	=	221	Sft
					Total	=	**1097**	**Sft**

18. Dismantling cement concrete plain (1:2:4).

Plinth Toe wall	60	x	3	x	3	x	1/8	=	68	Cft
							Total	=	**68**	**Cft**

19. Dismantling mud concrete.

Plinth Toe wall	60	x	3	x	3	x	1/4	=	135	Cft
							Total	=	**135**	**Cft**

20. Rehandling of earth lead up to 50'.

Plinth Toe wall	60	x	3	x	2 1/4	x	1/4	=	101	Cft
							Total	=	**101**	**Cft**

21. Supply and filling sand under floor or plugging into wells.

Plinth Toe wall	60	x	3	x	2 1/4	x	1/4	=	101	Cft
							Total	=	**101**	**Cft**

22. Dry rammed brick or stone ballast 1-1/2" to 2" gauge.

Take qty as item NO. 21	=	101	Cft
Total	**=**	**101**	**Cft**

23. P/L 1-1/2" thick conglomirate flooring with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1" thick cement concrete 1:2:4, including rubbing w/o polishing, complete with finishing using grey cement:

Plinth Toe wall	60	x	3	x	3	=	540	Sft
Total						**=**	**540**	**Sft**

24. P/F marble strips 1-1/2"x3/8" wide strip of any shade for dividing floor into panells.

				540	=	540	
=	540	x	60%	=	**324**	**Rft**

25 iii scraping Ordinary distemper, oil bound distemper or paint of wall.

OPD

Front Corridor	1	x	47 1/2	x	7	=	333	Sft
//	1	x	71 1/4	x	7	=	499	Sft
Sparm Room	1	x	16	x	14	=	224	Sft
Medicine store	1	x	12 1/2	x	14	=	175	Sft
Dental Surgeon	1	x	16	x	14	=	224	Sft
Platform	1	x	20 3/4	x	8	=	166	Sft
Waiting Hall	1	x	20 3/4	x	10	=	208	Sft
SMO	1	x	12	x	14	=	168	Sft
Exam	1	x	5 5/8	x	7	=	39	Sft
M.O	1	x	12	x	14	=	168	Sft
Exam	1	x	5 5/8	x	6 5/8	=	37	Sft
Treatment Room	1	x	10	x	14	=	140	Sft
World Food	1	x	10	x	14	=	140	Sft
Office	1	x	16	x	14	=	224	Sft
Corridor	1	x	71 1/4	x	7	=	499	Sft
//	1	x	20 3/4	x	7	=	145	Sft
//	1	x	47 1/2	x	7	=	333	Sft
Toilet	2	x	6 3/8	x	14	=	179	Sft
Doctor Toilet	1	x	6	x	14	=	84	Sft
General Store	1	x	10	x	14	=	140	Sft

Treatment	1	x	8	x	14	=	112	Sft
Dispansary	1	x	14	x	14	=	196	Sft
Waiting	1	x	15	x	14 3/4	=	221	Sft
Emergency Ward	1	x	16	x	14	=	224	Sft
WMO	1	x	12	x	14	=	168	Sft
Exam	1	x	5 5/8	x	8	=	45	Sft
Toilet	1	x	5 5/8	x	5 5/8	=	32	Sft
Waiting	1	x	15 3/4	x	14 3/4	=	232	Sft
LHV	1	x	12	x	14	=	168	Sft
Demonstration	1	x	10	x	14	=	140	Sft
Link Corridor	1	x	20	x	7	=	140	Sft
Diagnostic								
Front Corridor	1	x	57 3/4	x	7	=	404	Sft
//	1	x	22 1/2	x	7	=	158	Sft
Corridor	1	x	26 7/8	x	7	=	188	Sft
X-Ray	1	x	13	x	18	=	234	Sft
Dark Room	1	x	8	x	9	=	72	Sft
Film Store	1	x	8	x	8 5/8	=	69	Sft
Nurse station	1	x	8	x	12 5/8	=	101	Sft
Store	1	x	8	x	5	=	40	Sft
Operation	1	x	20	x	18	=	360	Sft
Sterlization	1	x	12	x	9 5/8	=	116	Sft
Scrub Up	1	x	12	x	8	=	96	Sft
Delivery	1	x	14	x	8	=	112	Sft
Corridor	1	x	84 7/8	x	7	=	594	Sft
Lav	1	x	8	x	14	=	112	Sft
Labour Room	1	x	16	x	14	=	224	Sft
Docctor	1	x	8	x	14	=	112	Sft
Plaster Room	1	x	10	x	14	=	140	Sft
Doctor Female	1	x	8	x	14	=	112	Sft
Waiting	1	x	11	x	14	=	154	Sft
Laboratory	1	x	13	x	14	=	182	Sft
Lav	1	x	8	x	14	=	112	Sft
Link Corridor	1	x	23 5/8	x	7	=	165	Sft
In Door								

[25

Room	1	x	10	x	17	=	170	Sft
//	1	x	9	x	17	=	153	Sft

(23

Front Corridor	1	x	179 1/4	x	7	=	1255	Sft
Lav	2	x	18	x	7	=	252	Sft
Wards	2	x	36	x	47 1/8	=	3393	Sft
2 Bed wards	2	x	12	x	19 1/4	=	462	Sft
Toilet	2	x	5	x	6 3/4	=	68	Sft
Store	2	x	5	x	12	=	120	Sft
Linen/Pantry	2	x	9	x	19 1/4	=	347	Sft
Corridor	1	x	11	x	21 1/8	=	232	Sft
//	1	x	63 1/2	x	7	=	445	Sft
Lav	2	x	20	x	10	=	400	Sft
Lav	2	x	6	x	6	=	72	Sft
Nurse station	2	x	11	x	12	=	264	Sft
Linen Store	2	x	5 5/8	x	6 3/4	=	76	Sft
Toilet	2	x	5	x	6 3/4	=	68	Sft
Store	2	x	5	x	12	=	120	Sft
Toilet	2	x	5	x	6 3/4	=	68	Sft
Medical Officer	2	x	10	x	16	=	320	Sft
Corridor	1	x	11	x	17 7/8	=	197	Sft
Link Corridor	1	x	12	x	40 1/2	=	486	Sft
ICU/CCU area								
Passage	1	x	12	x	40 1/2	=	486	Sft
Ramp Area	1	x	71	x	13 1/2	=	959	Sft
Ramp	2	x	50 1/2	x	6	=	606	Sft
Passage	1	x	12	x	61 1/4	=	735	Sft
//	1	x	20 1/2	x	16 1/4	=	333	Sft
//	1	x	12	x	61 1/4	=	735	Sft
//	1	x	43 3/4	x	3	=	131	Sft
//	1	x	32 1/2	x	53 3/4	=	1747	Sft
//	1	x	13	x	9 3/4	=	127	Sft
//	1	x	4 3/4	x	16 3/4	=	80	Sft
Toilet	1	x	5	x	6 1/2	=	33	Sft
Ultra Sound	1	x	20 1/4	x	21 3/4	=	440	Sft
Toilet	1	x	5	x	9 3/4	=	49	Sft
Nurse station	1	x	9 3/4	x	12 1/2	=	122	Sft

Room			1	x	14 3/4	x	7	=	103	Sft
Lobby			1	x	22 1/2	x	25 3/4	=	579	Sft
//			1	x	6 1/8	x	22	=	135	Sft
//			1	x	10 1/2	x	22	=	231	Sft
//			1	x	10 1/2	x	7 1/4	=	76	Sft
Toilet			1	x	10	x	3 1/2	=	35	Sft
//			2	x	4 1/2	x	6	=	54	Sft
Doctor			1	x	17 3/4	x	36 1/4	=	643	Sft
Lab			1	x	29	x	36 1/4	=	1051	Sft
Toilet			1	x	4 1/2	x	8 1/2	=	38	Sft
//			2	x	4	x	6	=	48	Sft
Dental Area			1	x	27 7/8	x	20	=	558	Sft
//			1	x	6	x	7	=	42	Sft
Incinator Room			1	x	26	x	25 3/4	=	670	Sft
Front Corridor	1	x 2	(	47 1/2	+	7	)	8	=	872	Sft
//	1	x 2	(	71 1/4	+	7	)	8	=	1252	Sft
Sparm Room	1	x 2	(	16	+	14	)	8	=	480	Sft
Medicine store	1	x 2	(	12 1/2	+	14	)	8	=	424	Sft
Dental Surgeon	1	x 2	(	16	+	14	)	8	=	480	Sft
Platform	1	x 2	(	20 3/4	+	8	)	8	=	460	Sft
Waiting Hall	1	x 2	(	20 3/4	+	10	)	8	=	492	Sft
SMO	1	x 2	(	12	+	14	)	8	=	416	Sft
Exam	1	x 2	(	5 5/8	+	7	)	8	=	202	Sft
M.O	1	x 2	(	12	+	14	)	8	=	416	Sft
Exam	1	x 2	(	5 5/8	+	6 5/8	)	8	=	196	Sft
Treatment Room	1	x 2	(	10	+	14	)	8	=	384	Sft
World Food	1	x 2	(	10	+	14	)	8	=	384	Sft
Office	1	x 2	(	16	+	14	)	8	=	480	Sft
Corridor	1	x 2	(	71 1/4	+	7	)	8	=	1252	Sft
//	1	x 2	(	20 3/4	+	7	)	8	=	444	Sft
//	1	x 2	(	47 1/2	+	7	)	8	=	872	Sft
Toilet	2	x 2	(	6 3/8	+	14	)	8	=	652	Sft
Doctor Toilet	1	x 2	(	6	+	14	)	8	=	320	Sft

General Store	1	x	2	(	10	+	14	)	8	=	384 Sft
Treatment	1	x	2	(	8	+	14	)	8	=	352 Sft
Dispansary	1	x	2	(	14	+	14	)	8	=	448 Sft
Waiting	1	x	2	(	15	+	14 3/4	)	8	=	476 Sft
Emergency Ward	1	x	2	(	16	+	14	)	8	=	480 Sft
WMO	1	x	2	(	12	+	14	)	8	=	416 Sft
Exam	1	x	2	(	5 5/8	+	8	)	8	=	218 Sft
Toilet	1	x	2	(	5 5/8	+	5 5/8	)	8	=	180 Sft
Waiting	1	x	2	(	15 3/4	+	14 3/4	)	8	=	488 Sft
LHV	1	x	2	(	12	+	14	)	8	=	416 Sft
Demonstration	1	x	2	(	10	+	14	)	8	=	384 Sft
Link Corridor	1	x	2	(	20	+	7	)	8	=	432 Sft
Diagnostic											
Front Corridor	1	x	2	(	57 3/4	+	7	)	8	=	1036 Sft
//	1	x	2	(	22 1/2	+	7	)	8	=	472 Sft
Corridor	1	x	2	(	26 7/8	+	7	)	8	=	542 Sft
X-Ray	1	x	2	(	13	+	18	)	8	=	496 Sft
Dark Room	1	x	2	(	8	+	9	)	8	=	272 Sft
Film Store	1	x	2	(	8	+	8 5/8	)	8	=	266 Sft
Nurse station	1	x	2	(	8	+	12 5/8	)	8	=	330 Sft
Store	1	x	2	(	8	+	5	)	8	=	208 Sft
Operation	1	x	2	(	20	+	18	)	8	=	608 Sft
Sterlization	1	x	2	(	12	+	9 5/8	)	8	=	346 Sft
Scrub Up	1	x	2	(	12	+	8	)	8	=	320 Sft
Delivery	1	x	2	(	14	+	8	)	8	=	352 Sft
Corridor	1	x	2	(	84 7/8	+	7	)	8	=	1470 Sft
Lav	1	x	2	(	8	+	14	)	8	=	352 Sft
Labour Room	1	x	2	(	16	+	14	)	8	=	480 Sft
Docctor	1	x	2	(	8	+	14	)	8	=	352 Sft
Plaster Room	1	x	2	(	10	+	14	)	8	=	384 Sft
Doctor Female	1	x	2	(	8	+	14	)	8	=	352 Sft
Waiting	1	x	2	(	11	+	14	)	8	=	400 Sft
Laboratory	1	x	2	(	13	+	14	)	8	=	432 Sft
Lav	1	x	2	(	8	+	14	)	8	=	352 Sft

F/F Stair Area	1	x	2	(	10 1/4	+	19	)	8	=	468	Sft
Corridor	1	x	2	(	14 3/4	+	7	)	8	=	348	Sft
Room	1	x	2	(	14 3/4	+	7	)	8	=	348	Sft
Lobby	1	x	2	(	22 1/2	+	25 3/4	)	8	=	772	Sft
//	1	x	2	(	6 1/8	+	22	)	8	=	450	Sft
//	1	x	2	(	10 1/2	+	22	)	8	=	520	Sft
//	1	x	2	(	10 1/2	+	7 1/4	)	8	=	284	Sft
Toilet	1	x	2	(	10	+	3 1/2	)	8	=	216	Sft
//	2	x	2	(	4 1/2	+	6	)	8	=	336	Sft
Doctor	1	x	2	(	17 3/4	+	36 1/4	)	8	=	864	Sft
Lab	1	x	2	(	29	+	36 1/4	)	8	=	1044	Sft
Toilet	1	x	2	(	4 1/2	+	8 1/2	)	8	=	208	Sft
//	2	x	2	(	4	+	6	)	8	=	320	Sft
Dental Area	1	x	2	(	27 7/8	+	20	)	8	=	766	Sft
//	1	x	2	(	6	+	7	)	8	=	208	Sft
Incinator Room	1	x	2	(	26	+	25 3/4	)	8	=	828	Sft

D/d door. 8159/2
D/d windows: 3965
8048

Total = 132044 Sft

(-) 8048
124000 sft

25 ii Preparing surface and painting with emulsion paint:- 2-coats

as item no above.

Total = ~~132044~~ 124000 Sft

sft

27. Preparing surface and painting of doors and windows any type on new surface 2 coats.

Main Building

D5	15	x	2	x	3 1/2	x	8 1/2	=	893	Sft
D6	10	x	2	x	3 1/2	x	8 1/2	=	595	Sft
D4	10	x	2	x	4	x	8 1/2	=	680	Sft
DW2	2	x	2	x	7	x	8 1/2	=	238	Sft
D7	32	x	2	x	2 1/2	x	7	=	1120	Sft
D6	8	x	2	x	3 1/2	x	8 1/2	=	476	Sft
D4 a	2	x	2	x	4 1/2	x	8 1/2	=	153	Sft
D6 a	6	x	2	x	3	x	7	=	252	Sft
DW1	1	x	2	x	9 1/4	x	8 1/2	=	157	Sft

Mortuary

D1	1	x	2	x	4	x	8 1/2	=	68	Sft

D2	1	x	2	x	3 1/2	x	8 1/2	=	60	Sft	
OT Area											
D1	2	x	2	x	3 1/2	x	7	=	98	Sft	
D2	1	x	2	x	3	x	8 1/2	=	51	Sft	
D3	3	x	2	x	3	x	7	=	126	Sft	
D4	1	x	2	x	8	x	7	=	112	Sft	
D5	2	x	2	x	3 1/2	x	8 1/2	=	119	Sft	
D6	9	x	2	x	2 1/2	x	7	=	315	Sft	
D7	3	x	2	x	5	x	9	=	270	Sft	
D8	3	x	2	x	4	x	9	=	216	Sft	
D9	13	x	2	x	3 1/2	x	7	=	637	Sft	
D10	1	x	2	x	9	x	9	=	162	Sft	
D11	2	x	2	x	5	x	8 1/2	=	170	Sft	
Emergency											
D1	3	x	2	x	3 1/2	x	8 1/2	=	179	Sft	
D2	5	x	2	x	3 1/2	x	7	=	245	Sft	
D3	7	x	2	x	2 1/2	x	7	=	245	Sft	
D4	1	x	2	x	5	x	8 1/2	=	85	Sft	
D	1	x	2	x	6	x	8 1/2	=	102	Sft	
Dental											
D1	1	x	2	x	4	x	8 1/2	=	68	Sft	
D2	3	x	2	x	3	x	7	=	126	Sft	
D3	1	x	2	x	3	x	8 1/2	=	51	Sft	
Incinator Room											
D	1	x	2	x	5	x	9	=	90	Sft	
							Total	=	**8159**	**Sft**	

28. Preparing surface and painting sashes, fanlights, glazed or gauzed doors and windows 2 coats on old surface.

Main Building											
W 1	4	x	32	x	6	x	8 1/2	=	612	Sft	
W 2	59	x	32	x	4	x	5 1/2	=	3894	Sft	
W 3	2	x	32	x	10	x	5 1/2	=	330	Sft	
HW 1	22	x	32	x	4	x	3	=	792	Sft	
HW 2	36	x	32	x	2	x	2	=	432	Sft	
OT Area											

W1	14	x	32	x	6	x	6	=	1512 Sft
W2	7	x	32	x	8	x	6	=	1008 Sft
CW	2	x	32	x	6	x	2	=	72 Sft
W3	3	x	32	x	4	x	6	=	216 Sft
W4	3	x	32	x	3 1/2	x	6	=	189 Sft
Mortuary									
CW	5	x	32	x	2	x	3	=	90 Sft
Emergency									
CW	11	x	32	x	3	x	2	=	198 Sft
W1	23	x	32	x	4	x	6	=	1656 Sft
W2	4	x	32	x	6	x	6	=	432 Sft
Dental									
W1	8	x	32	x	2 1/2	x	5 1/2	=	330 Sft
Incinator Room									
W1	1	x	32	x	4	x	6	=	72 Sft
W2	1	x	32	x	4	x	5	=	60 Sft
							Total	=	7930 ~~11895~~ **Sft**

34. P/F lead sheet for X-ray rooms 2mm thick for protection against radiation, caping i/c cutting to required size providing 4" for laps where necessary i/c cost of screws, nails, rowal bolts and drilling holes in walls complete as approved by the Engineer Incharge.

X-Ray	1	x	2	(	13	+	14)	11 1/2	= 621 Sft
//	1	x	2	(	13	+	18)	11 1/2	= 713 Sft
								Total	= **1334 Sft**

37. 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.

(b) Bevelled edges & flange 21.5 mm

(iii)600 mmX 600 mm

arial white ucture / 00mm)

Operation	2	x	27 1/2	x	21 3/4			=	1196 Sft
~~Labour Room~~	~~1~~	~~x~~	~~18~~	~~x~~	~~20~~			=	~~360 Sft~~
								Total	= 1196 ~~1556~~ **Sft**

38. P A fr fl c re le E

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.

or s sliced he and slip self

Operation	2	x	27 1/2	x	21 3/4		=	1196	Sft
~~Labour Room~~	~~1~~	~~x~~	~~18~~	~~x~~	~~20~~		=	~~360~~	~~Sft~~
						Total	=	1196 ~~1556~~	**Sft**

38. P/F Supply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified, duly thermoplastic welded conforming to (ISO:22 over 12mm thick gypsum board with adhesi atic, anti 14-SWG G.I Channael of size 3.5"X 2"X Engineer Incl the cost of hardwares as approve (b) 2.5mm thick

Operation	2	x	2	(	27 1/2	+	21 3/4	)	12	=	2364 Sft
~~Labour Room~~	~~1~~	~~x~~	~~2~~	~~(~~	~~18~~	~~+~~	~~20~~	~~)~~	~~12~~	~~=~~	~~912 Sft~~
									Total	=	2364 ~~3276~~ **Sft**

39. P/F stainless steel L section size 1-1/2" x 1-1/2" etc complete in all respect as approved by Engineer Incharge.

1	x	150	x	5	=	750	Rft
				Total	=	**750**	**Rft**

40. Distempring 2-coats on old surface after scraping old one.

Mortuary													
Room					1	x	12	x	9	=	108	Sft
//					1	x	10 1/4	x	9 1/4	=	95	Sft
//					1	x	9	x	12	=	108	Sft
//					1	x	10	x	4 3/4	=	48	Sft
Incinator Room													
Room					1	x	25	x	25	=	625	Sft
Room	1	x	2	(	12	+	9	)	6 1/2	=	273	Sft
//	1	x	2	(	10 1/4	+	9	)	6 1/2	=	250	Sft
//	1	x	2	(	9	+	12	)	6 1/2	=	273	Sft
//	1	x	2	(	10	+	4 3/4	)	6 1/2	=	192	Sft
Incinator Room	1	x	2	(	25	+	25	)	16	=	1600	Sft
									Total	=	**3572**	**Sft**

i) Take 40% after scraping old one.

3572	x	40/100	**Total**	=	**1429** **Sft**

i) Take 60% one coat.

3572 x 60/100 **Total** = **2143** **Sft**

41. Preparing surface and painting of doors and windows any type on new surface 2 coats.

Mortuary

D1		2	x	2	x	4	x	8 1/2	=	136	Sft
D2		2	x	2	x	4	x	7	=	112	Sft
Yellow Room	1 x	2	(	10	+	7	)	11 1/2	=	391	Sft
D		1	x	2	x	3	x	7 1/4	=	44	Sft
Incinator Room	D	1	x	2	x	5	x	9	=	90	Sft
								Total	=	**773**	**Sft**

42. Preparing surface and painting sashes, fanlights, glazed or gauzed doors and windows 2 coats on old surface.

Mortuary

CW Incinator Room	5	x	3	x	2	x	3	=	90	Sft
W	2	x	3	x	4	x	6	=	144	Sft
							Total	=	**234**	**Sft**

Executive Engineer
Buildings Division No. 2
Faisalabad

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

DETAILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

FILTERATION PLANT I/C ROOM (ABSTRACT OF COST)

(Based on Plinth Area Rate 2nd Bi-Annual Period From 1st July: 2022 to 31th Dec 2022

S. No.	Description	Amount
1	CONSTRUCTION OF ROOM (15'x12') I/C 6' WIDE VER.	Rs. 1343300
2	SANITARY / ALLIED WORKS	Rs. 284988
3	FILTRATION PLANT (REVERSE OSMOSIS)	Rs. 1906875
	TOTAL	Rs. 3535163
	SAY	Rs. 3535163

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

S.T.E

Executive Engineer
Buildings Division No. 2
Faisalabad

DETAILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

ABSTRACT OF COST.

SL: NO.	Description of items.	(Based on Plinth Area Rate 2nd Bi-Annual Period From 1st July: 2022 to 31th Dec 2022							Remarks
		Qty:	Unit.	B.P.	P.H	E.I.	S.G.	Total.	Amount.	
(A)	**FILTERATION PLAN**									
1	Room	334	Sft	P-Sft	3674/-	120/-	228/-	4022/-	1343348/-	Covered Area as per PMU drawing
								Total:	**1343348/-**	
								Say:Rs.	**1343300/-**	

EXECUTIVE ENGINEER
Buildings Division No. 2
Faisalabad.

SUB DIVISIONAL OFFICER
Buildings Sub Division Jaranwala

(37)

DETAILED ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

		(ABSTRACT OF COST)
		MRS 2nd BI-ANNUAL 2022
S. No.	**Description**	**Amount**
1	P/F GOLDAMATIC PUMP AND TANKI FOR WATER SUPPLY etc.	Rs. 98701
2	SEWERAGE SYSTEM	Rs. 186287
	TOTAL	Rs. 284988

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

S.D.E

Executive Engineer
Buildings Division No. 2
Faisalabad

PUMP WITH BORING AND TANKY

MRS 2nd BI-ANNUAL 2022

1.	P/F of Goldametic pump (As per approved manufacturer) coupled with 1 H.P electric motor 0.21 M suction & 30 M Head (Non automatic) including cost of foundation complete in all respect as approved by the Engineer Incharge i/c borig & lowering				
		=	1 No.		
		@	45000.00	Each	45000 /-
2.	P/F of water storage tank 500 gallons capacity (Super tuff/Dura and as approved) complete with all accessories complete in all respect and as approved by the Engineer Incharge.				
		=	500 Gln		
		@	106.75	P Gln	53375 /-
3.	S/E of Circuit breaker 3-5 Amp: complete in all respect as approved by the Engineer Incharge.				
		=	1 No.		
		@	326.00	Each	326 /-
				Total: -	**98701** /-

Executive Engineer
Buildings Division No. 2
Faisalabad

S.E

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

PROVISION OF SEWERAGE & MANHOLE

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:- 0 ft. to 7.0 ft. depth

Manhole	4	x	3 1/2	x	4	x	2	=	112 Cft
Pipe	1	x	150	x	1	x	1 1/2	=	225 Cft
							Total =		337 Cft
							@	8026.15 %oCft	2705 /-

2. Cement concrete brick or stone ballast 1½" to 2" gauge in foundation and plinth (1:6:18).

Manhole	4	x	3 1/2	x	4	x	1/2	=	28 Cft
							@	19801.40 % Cft	5544 /-

3. Pacca brick work in other than building in cement sand mortar (1:4)

Manhole	4	x	2	x	4	x	3/4	x 4 =	96 Cft
	4	x	2	x	2	x	3/4	x 4 =	48 Cft
							Total =		144 Cft
							@	33941.90 % Cft	48876 /-

4. P/L, cement concrete plain 1:2:4 i/c placing, compaction, finishing & curing washing complete.

Manhole	4	x	2	x	2 1/2	x	1/4	=	5 Cft
Pipe	1	x	150	x	3/4	x	3/4	=	84 Cft
							Total =		89 Cft

Deduction

pipe $150 \times 3.14 \left(\frac{1/3 \times 1/3}{4} \right) 3/4 = 10$ Cft

			Total =		10 Cft
			Net Total =	89 - 10 =	79 Cft
			@	38271.80 % Cft	30235 /-

5. 1/2"thick cement sand plaster (1:3) upto 20' height i/c floating coat 1/32"thick.

	4	x	2	(2	+	2 1/2)	4	=	144 Sft
							@	5345.00 % Sft	7697 /-

6. 1/2"thick cement sand plaster (1:4) upto 20' height.

Top	4	x	2	(4	+	2)	3/4	=	36 Sft
O/S	4	x	2	(4	+	3 1/2)	2	=	120 Sft
							Total =		156 Sft
							@	3289.75 % Sft	5132

7. Reinforced cement concrete in Raft/strip foundation laid in situ or pre cast laid in position pre stresed members cast in situ complete in all respect Type 'C' Nominal mixture 1:2:4.

4 x 4 x 3 1/2 x 1/4 = 14 Cft

@ 460.05 P Cft 6441 /-

8. Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), deformed bar. Grade-40

Qty as item above = 14 x 6.75 x 0.4536 = 43 Kg

@ 31427.95 % Kg 13514 /-

9. P/L, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with `B' Class working pressure complete in all respects:- 4"dia.

= 150 Rft

@ 440.95 P Rft 66143 /-

Total:- 186287 /-

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division
Jaranwala

DETAILED ESTIMATE FOR THE INSTALLATION OF WATER FILTRATION PLANT (REVERSE OSMOSIS) THQ HOSPITAL JARANWALA DISTRICT FAISALABAD.

(ABSTRACT OF COST)

MRS 2nd BI-ANNUAL 2022

S. No.	Description	Amount
1	S/E OF FILTRATION PLANT	Rs. 1695000
	TOTAL	Rs. 1695000
	Add 12.50% CONTRACTOR PROFIT	Rs. 211875
	TOTAL	**Rs. 1906875**

SUB DIVISIONAL OFFICER
Buildings Sub Division,
Jaranwala.

Executive Engineer
Buildings Division No. 2
Faisalabad

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

ABSTRACT OF COST (EXTERNAL E.I)

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Revised Rough Cost Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
1.	PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG (37/0.103").	250 Rft	P Rft	7007.00	1751750 /-					-1751750	
2.	P/F electric main OT panel board of required size cabinet with necessary fittings with circuit breakers, volt meter, complete in all respect as approved by the Engineer Incharge as per detailed below.INCOMING:-i) 300 AMP TP 6KA (LR) double pole Terasaki/Legerand/GE 1 No,OUTGOING:-i) 125 Amp (TP) Terasaki/Legerand/GE 10 Nos. ii) volt meter 1No.iii) Phase indicator lights(impoted) 2Nos. iv) M .S Sheet cabinet i/c thimble,wiring,assembling, testing etc 4'x5' size.	1 No	Each	247311.00	247311 /-					-247311	
3.	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 and lift upto 5 ft. (in ordinary soil.)	216 Cft	%0Cft	8946.60	1932 /-					-1932	
4.	Dry rammed brick or stone ballast 1-1/2" to 2" gauge.	36 Cft	%Cft	5742.00	2067 /-					-2067	
5.	P/L plain cement concrete (1:2:4).	288 Cft	%Cft	29211.60	84129 /-					-84129	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Revised Rough Cost Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
6.	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, i/c erection in position	337 Kg	%Kg	28481.75	95983 /-					-95983	
7.	P/L, cutting, jointing, testing and disinfecting G.I pipe chap. Cost of sockets, tees, elbows, etc. is included in the rates, specials and valve (M. quality) 4"dia	144 Rft	P Rft	1358.35	195602 /-					-195602	
ii.	(M. quality) 3"dia	72 Rft	P Rft	941.55	67792 /-					-67792	
iii.	(M. quality) 2"dia	72 Rft	P Rft	573.70	41306 /-					-41306	
8.	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for to recessed wiring, including making holes for regulators,switches, plugs, etc. (7" x 4") size.	18 No	Each	319.50	5751 /-					-5751	
9.	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp	36 No	Each	1912.20	68839 /-					-68839	
10.	Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps): Philips designe.	36 No	Each	2185.80	78689 /-					-78689	
11.	Supply and fitting of mercury vapour lamp, complete with choke set.	18 No	Each	1530.00	27540 /-					-27540	

Sr. No.	Description of items	As per Amended Rough Cost Estimate (1st Biannaul 2022)				As per Revised Rough Cost Estimate (2nd Biannaul 2022)				Excess / Saving	Remarks
		Qty	Unit	Rate	Amount	Qty	Unit	Rate	Amount		
12.	External Electric Work As per Scope of PMU. (Detail Attached)					1 Job	Each	11109490.37	11109490 /-	11109490	
				Total =	2668691 /-			Total =	11109490 /-	8440799	
				Say =	2668700 /-			Say =	11109490 /-	8440790	

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

T.H.Q HOSPITAL JARANWALA
Provision/Installation of Electrical Equipment.

S.#		Description			Qty:	Unit	Rate	Amount
A-		**L.T. (LV) SUB-STATION EQUIPMENT:**						
1.00		Supply, installation, testing, commissioning of **MAIN SWITCH BOARD-630A (with SPD IP-64)** with Incoming From 200KVA Transformer Indication Lamp, Insturement Protection Fuse, including 600A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Outdoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			1			
		MAIN SWITCH BOARD-630A (with SPD IP-64)					154728	
		Incoming from 200KVA Transformer.						
	1	630A TP MCCB 36KA	Terasaki/Schneider	01			138634	
	2	(xiv) 800-1250 Amp(70 KA)	Phoenix/Iskra	01			280774.3	
	3	Digital Volt Meter 0~600V	Entes/Schneider	01				
	4	Volt Selector Switch	GGT/Camsco	01				
	5	Digital Ampere Meter 0~600A	Entes/Schneider	01				
	6	Ampere Selector Switch	GGT/Camsco	01				
	7	Current Transformer 600/5A	Fico/Metelx	03				
	8	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	9	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
	10	630A Copper Bus Bar		01				
							574136.3	574136.3
2.00		Supply, installation, testing, commissioning of **MAIN SWITCH BOARD-200A (with SPD IP-64)** with Incoming From 100KVA Transformer Indication Lamp, Insturement Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Outdoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			1			
		MAIN SWITCH BOARD-200A (with SPD IP-64)					54,153.60	
		Incoming from 100KVA Transformer.						
	1	200A TP MCCB 36KA	Terasaki/Schneider	01			68434.30	
	2	(xiv) 800-1250 Amp(70 KA)	Phoenix/Iskra	01			280774.3	
	3	Digital Volt Meter 0~600V	Entes/Schneider	01				
	4	Volt Selector Switch	GGT/Camsco	01				
	5	Digital Ampere Meter 0~600A	Entes/Schneider	01				
	6	Ampere Selector Switch	GGT/Camsco	01				
	7	Current Transformer 600/5A	Fico/Metelx	03				
	8	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	9	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
	10	200A Copper Bus Bar		01				
							403,362.20	403,362.20

S.#	Description				Qty:	Unit	Rate	Amount
3.00	Supply, installation, testing, commissioning of **MAIN LT PANEL 1 630A** with Incoming From MSB Indication Lamp, Insturement Protection Fuse, including 600A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.				1			
	MAIN LT PANEL 630A						154728	
		Incoming from MSB						
	1	630A TP MCCB 36KA	Terasaki/Schneider	01			138,634.00	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01				
	3	Volt Selector Switch	GGT/Camsco	01				
	4	Digital Ampere Meter 0~600A	Entes/Schneider	01				
	5	Ampere Selector Switch	GGT/Camsco	01				
	6	Current Transformer 600/5A	Fico/Metelx	03				
	7	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	8	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
		OUTGOING						
	1	200A TP MCCB 25KA	Terasaki/Schneider	04			273737.2	
							567,099.20	567,099.20
4.00	Supply, installation, testing, commissioning of **MAIN LT PANEL 2 200A** with Incoming From MSB Indication Lamp, Insturement Protection Fuse, including 600A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.				1			
	MAIN LT PANEL 200A						54,153.60	
		Incoming from MSB						
	1	200A TP MCCB 36KA	Terasaki/Schneider	01			68,434.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01				
	3	Volt Selector Switch	GGT/Camsco	01				
	4	Digital Ampere Meter 0~600A	Entes/Schneider	01				
	5	Ampere Selector Switch	GGT/Camsco	01				
	6	Current Transformer 600/5A	Fico/Metelx	03				
	7	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	8	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
		OUTGOING						
	1	200A TP MCCB 25KA	Terasaki/Schneider	03			205302.9	
							327,890.80	327,890.80

S.#	Description			Qty:	Unit	Rate	Amount
5.00	Supply, installation, testing, commissioning of **75KVAR POWER FACTOR IMPROVEMENT PLANT** with 4-step 12.5Kvar, 1-step 25Kvar Coupling arrangement of L.T. PANEL, Power Capacitors, Magnatic Contactor 220VAC,125A HRC Fuse, 6-Step PFI Controller, ON-OFF Indication Lamp, ON/OFF Push Button, Auxiliary Contactor 4NO+4NC, Auto Manual Switch, Insturement Protection Fuse, including 800A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 12/14 SWG miled steel sheet fabricated, Inddor Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above Component Make Togami/Schenider/Mitsubishi/Hatachi/ABB, Capacitor Entes, Iskar,Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. and shall be of one make only and not to be mixture. (PLANT COUPLE WITH MAIN PANEL.)			1		334,633.30	334633.3
	75KVR PFI PLANT						
	1	Power Capacitor 12.5KVAR	Iskara/Entes/Enerlux/ZEZ	No			
	2	Power Capacitor 25KVAR	Iskara/Entes/Enerlux/ZEZ	01			
	3	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsub	No			
	4	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsub	01			
	5	32/63A HRC Fuses with bases	Efen/Jenmuller/DF-	15			
	6	Power Factor Controller 6-Steps	Entes/Inter/Mikro	01			
	7	ON indication Lights	Himel/Schneider	05			
	8	Push Button ON/OFF	Himel/Schneider	10			
	9	CTs. 600/5A	Fico/Metelx	01			
	10	Auxiliary Contactor	Togami/Hatachi/Eqv.	03			
	11	Control MCB S/P	Terasaki/Legrand/Eqv.	03			
	12	Auto/Manual Switch.	GGT/Camsco/Eqv.	01			
	13	Surge Suppressors.		45			
	14	Exhaust Fan Cassettes.	Imported.	01			
	15	Temperature Regulator 0~60C	Alfa Elec/Finder	01			
6.00	Supply, installation, testing, commissioning of **150KVAR POWER FACTOR IMPROVEMENT PLANT** with 4-step 12.5Kvar, 4-step 25Kvar Coupling arrangement of L.T. PANEL, Power Capacitors, Magnatic Contactor 220VAC,125A HRC Fuse, 6-Step PFI Controller, ON-OFF Indication Lamp, ON/OFF Push Button, Auxiliary Contactor 4NO+4NC, Auto Manual Switch, Insturement Protection Fuse, including 800A Main copper bus bar Suitable For Each Phase & link Cable as per above Capacitor, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 12/14 SWG miled steel sheet fabricated, Inddor Type, Floor Mounting, Insulation class 600VAC, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 95 -100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above Component Make Togami/Schenider/Mitsubishi/Hatachi/ABB, Capacitor Entes, Iskar,Enerlux, ZEZ, Amber, GE, shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. and shall be of one make only and not to be mixture. (PLANT COUPLE WITH MAIN PANEL.)			1		511,454.95	511454.95
	150KVR PFI PLANT						
	1	Power Capacitor 12.5KVAR	Iskara/Entes/Enerlux/ZEZ /Amber/GE	Nos.			
	2	Power Capacitor 25KVAR	Iskara/Entes/Enerlux/ZEZ /Amber/GE	04 No.			
	3	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsub	No			
	4	Magnetic Contactor 32A AC3 for 50kvar	Togami/Schenider/Mitsub	No.			
	5	32/63A HRC Fuses with bases	Efen/Jenmuller/DF-	No			
	6	Power Factor Controller 6-Steps	Entes/Inter/Mikro	01			
	7	ON indication Lights	Himel/Schneider	08			
	8	Push Button ON/OFF	Himel/Schneider	16			
	9	CTs. 800/5A	Fico/Metelx	01			
	10	Auxiliary Contactor	Togami/Hatachi/Eqv.	03			
	11	Control MCB S/P	Terasaki/Legrand/Eqv.	03			
	12	Auto/Manual Switch.	GGT/Camsco/Eqv.	01			

S.#		Description			Qty:	Unit	Rate	Amount
	13	Surge Suppressors.		45				
	14	Exhaust Fan Cassettes.	Imported.	01				
	15	Temperature Regulator 0~60C	Alfa Elec/Finder	01				
7.00		Supply, installation, testing, commissioning of **ATS-1,2 & 3 200A PANEL** with Incoming-1, 100KVA GENSET & Incoming-2, MLTP From, Indication Lamp, Insturement Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL make. of 14 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			1				
		ATS-1,2 & 3 200A PANEL						
		Incoming-1 from 100KVA Genset & Incoming-2 from Main LT Panel						
	1	2.00 Ft deep (i)125-250 KVA	LKE/Eqv.	01 No			1833923.5	
	2	Digital Volt Meter 0~600V	Entes/Schneider	02				
	3	Volt Selector Switch	GGT/Camsco	03				
	4	12/24VDC	DSE UK/Eqv.	01				
	5	Miniature Auxiliary Relay 8-Pin	Finder/Iskra	04				
	6	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	06				
	7	6A Control MCB for Instrument Protection.	Terasaki/Schneider	06				
	8	Electrically/Mechanically/Interlocking ATS.		01				
							1833923.5	1833923.5
8		Supply, installation, testing, commissioning of **P&LSMDB 1 & 2 200A (From ATS-1& 2)** with Incoming From ATS-1 & 2, Indication Lamp, Insturement Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			2				
		P&LSMDB 200A (From ATS-1 & 2)					54,153.60	
		Incoming						
	1	200A TP MCCB 25KA	Terasaki/Schneider	01			68434.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01				
	3	Volt Selector Switch	GGT/Camsco	01				
	4	Digital Ampere Meter 0~200A	Entes/Schneider	01				
	5	Ampere Selector Switch	GGT/Camsco	01				
	6	Current Transformer 200/5A	Fico/Metelx	03				
	7	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	8	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
		OUTGOING						
	1	60A TP MCCB 25KA	Terasaki/Schneider	08			408274.4	
							530862.3	1061724.6

S.#		Description			Qty:	Unit	Rate	Amount
9.00		Supply, installation, testing, commissioning of **P&LSMDB 3 200A (From Main LT Panel 2)** with Incoming From Main LT Panel 2, Indication Lamp, Insturement Protection Fuse, including 200A Main copper bus bar Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Floor Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			1			
		P&LSMDB 200A (From Main LT Panel 2)					54,153.60	
		Incoming						
	1	200A TP MCCB 25KA	Terasaki/Schneider	01			68,434.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01				
	3	Volt Selector Switch	GGT/Camsco	01				
	4	Digital Ampere Meter 0~200A	Entes/Schneider	01				
	5	Ampere Selector Switch	GGT/Camsco	01				
	6	Current Transformer 200/5A	Fico/Metelx	03				
	7	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	8	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
		OUTGOING						
	1	100A TP MCCB 25KA	Terasaki/Schneider	04			204,137.20	
	2	30A TP MCCB 25KA	Terasaki/Schneider	03			80,562.90	
							407,288.00	407,288.00
10.00		Supply, installation, testing, commissioning of **DBs-Light 60A** with Incoming From P&LSMDB 1 & 2, Indication Lamp, Insturement Protection Fuse, including 60A Main copper bus bar/Cable Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			6			
		DBs-Light 60A					28037.1	
		Incoming						
	1	60A TP MCCB 10KA	Terasaki/Schneider	01			26,854.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01				
	3	Volt Selector Switch	GGT/Camsco	01				
	4	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03				
	5	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03				
		OUTGOING						
	1	10/16/20A SP MCB 6KA	Terasaki/Schneider	15 No			101314.5	
							156,205.90	937235.

S.#		Description			Qty:	Unit	Rate	Amount
11.00		Supply, installation, testing, commissioning of **LDBs-Light-30A** with Incoming From P&LSMDB 3, Indication Lamp, Insturement Protection Fuse, including 30A Main copper bus bar/Cable Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			5			
	LDBs-Light-30A						28,037.10	
		Incoming						
	1	30A TP MCCB 10KA	Terasaki/Schneider	01			26,854.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	3	Volt Selector Switch	GGT/Camsco	01 No.				
	4	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				
	5	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
		OUTGOING						
	1	10/16/20A SP MCB 6KA	Terasaki/Schneider	5 Nos.			33771.5	
							88,662.90	443314.5
12.00		Supply, installation, testing, commissioning of **PDBs-Power-100A** with Incoming From P&LSMDB 3, Indication Lamp, Insturement Protection Fuse, including 100A Main copper bus bar/Cable Suitable For Each Phase/Netural & link as per above outgoing circuit breaker, installed in cubicals asambled with SIEMENS, PEMPAK,AREVA,PEL etc. or equivalent make. of 16 SWG miled steel sheet fabricated, Indoor Type, Wall Mounting, Insulation class 600VAC, Incoming/Outgoing connection Top or Bottom as per site requirement, door to body Earth with flexibile copper cable, system voltage 415VAC, 50HZ, 3-Phase 4-Wire, degreased and derusted, zinc phosphated, finished with electro-static powder coating of 80-100 micron thickness in approved colour with hinged door, lockable handle, all live part coverd with safty sheet, internal control & power wiring from protection & power., including cost of all necessary materials complete in all respects. All above ACB/MCCBs/MCBs, Make in Terasaki Japan/Schneider Eu.shall be installed inside the panel having a further M.S. protective sheet and accessible only by opening the front door. All MCCBs shall be rated at 50°C. and shall be of one make only and not to be mixture.			5			
	PDBs-Power-100A						31,641.70	
		Incoming						
	1	100A TP MCCB 10KA	Terasaki/Schneider	01 No.			51,034.30	
	2	Digital Volt Meter 0~600V	Entes/Schneider	01 No.				
	3	Volt Selector Switch	GGT/Camsco	01 No.				
	4	Phase Indication Lamps. (R+Y+B)	Schneider/Himel	03 Nos.				

S.#		Description			Qty:	Unit	Rate	Amount
	5	6A Control MCB for Instrument Protection.	Terasaki/Schneider	03 Nos.				
		OUTGOING						
	1	10/16/20A SP MCB 6KA	Terasaki/Schneider	05 Nos.			33,771.50	
B		**LT POWER CABLE.**					116,447.50	582237.52
		Supply at site, installation, testing and commissioning of PVC insulated PVC sheathed armoured copper conductor cable 600/1000V grade in prelaid conduits/ trenches or on cable traysas as per routes and as per requiremenr discussed with site engineer, including supply and installation of all necessary fixing accessories, connections, identification tages, cables lugs properly crimped, at both ends all respect. Actual length of cables installed shall be measured for payment. Actual length of cables shall be measured at site by contractor before placing the order.						
		150						
1.00		150mm sq, 4-Core, PVC/PVC non armored Cable.	Pakistan/Newage/Pioneer		100	rft	5,687.15	568715
2.00								
3.00		95mm sq, 4-Core, PVC/PVC non armored Cable.	Pakistan/Newage/Pioneer		400	rft	3,676.95	1470780
4.00		70mm sq, 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer		50	rft	2,656.70	132835
5.00		35mm sq, 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer		390	rft	1,706.25	665437.5
6.00		16mm sq, 4-Core, PVC/PVC Cable.	Pakistan/Newage/Pioneer			rft	643.55	0
C		**Earthing System**						
		Supply, Installation, Drilling of earth bore 3" (75mm) dia 70 to 80-ft deep or up to permanent water table, back filling ramming, with G.I pipe 50mm dia 14-SWG and tinned spike to be installed in premade bore all G.I pipe accessories like tees bends sockets etc G.I pipe shall be connected to tinned copper spike be installed at bottom of G.I pipe all nuts and bolts & earthing leads consisting of standard electrolytic copper conductor 70mm sq: to be installed in prelaid G.I pipe and connected to tinned copper spike and to test link in man hole and from test link to desired location, earth connecting points consisting of copper plate 300mm longx50mm widex12.5mm thick to be installed, Construction of man hole 450mmx450mm x600mm deep with 225mm thick wall with cement mortar internal plaster 1:4, RCC 100mm thick man hole cover lifting hooks and the following words written with paint on cover "Earting Pit", horizontal and vertical rising copper strip of size 25mm wide and 3mm thick as main circuit protective conductor. Terminating on earthing connection points and also fixed both sides for H.T/L.T/SMPB/DB Panel & Cable tray or in cable ladder as per detail site engineer.						
		a) Earthing system with Bores for body of transformer No. 1 & 2			2	Each	9,635.35	19270.7
		b) Earthing system with Bores for neutral of transformer No. 1 & 2			2	Each	9,635.35	19270.7
		d) Earthing system with Bores for MAIN L.T. PANEL/MAIN SWITCH BOARD/SUB MAIN PANEL BOARD & DISTRIBUTION BOARD.			5	Each	9,635.35	48176.75
D		**Circuit Protective Conductor (CPC)**						
		As per site requirement						
		1) 1 core 50mm sq:			330	rft	467.15	154159.5
		a) 1 core 10mm sq:			300	rft	155.15	46545
								1110949

Say = 11109490 /-

Executive Engineer
Buildings Division No. 2
Faisalabad

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

REVISED ROUGH COST ESTIMATE FOR REVAMPING OF TEHSIL HEAD QUARTER HOSPITAL JARANWALA DISTRICT FAISALABAD

ABSTRACT OF COST.

SL: NO.	Description of items.	Qty:	Unit.	B.P.	P.H	E.I.	S.G.	Total	Amount.	Remarks
		Based on M.R.S 2nd Bi Annual 2022								
(A)	**Hospital Building.**									
1	Extention of Lab 51.25x43 = ~~Corridoor 23.75*10=237 21.25*10=212 ft T=449~~	2798 ~~449~~	Sft	P-Sft 167/-	3661/- double Storey Footing	120/-	228/-	4176 ~~3889/-~~	11392128/- ~~1746161/-~~	Covered Area as per
2.	Removal of Bottleneck (narrow corridor) as per detailed estimate								3755900/- ~~628 26/-~~	Detail Attached
3.	E.I								68500/-	
								Total:	1909600/- ~~2374257/-~~	
	~~Add 10% External Development on Rs. 2374257/-~~								~~237426/-~~	
4.	Generic Specifications for Lab.	2798	@ 700/-							
								Say:Rs.	~~2374000/-~~ 17126128/-	

EXECUTIVE ENGINEER
Buildings Division No. 2
Faisalabad.

SUB DIVISIONAL OFFICER
Buildings Sub Division Jaranwala

Widning of Corridoor

Based on MRS 2nd Bi-annual 2022

BUILDING PORTION

1. Dismantling brick work

3	x	6	x	3/4	x	1 1/2	=	21	Cft		
2	x	21 1/4	x	3/4	x	1 1/2	=	48	Cft		
1	x	51 1/4	x	3/4	x	1 1/2	=	58	Cft		
1	x	8 3/4	x	3/4	x	1 1/2	=	10	Cft		
1	x	23 3/4	x	3/4	x	1 1/2	=	27	Cft		
2	x	6	x	3/4	x	12	=	108	Cft		
1	x	5	x	8 3/4	x	12	=	525	Cft		
1	x	21 1/4	x	3/4	x	12	=	191	Cft		
1	x	14	x	3/4	x	12	=	126	Cft		
1	x	18 3/4	x	3/4	x	12	=	169	Cft		
1	x	14	x	3/4	x	12	=	126	Cft		
1	x	23 3/4	x	3/4	x	12	=	214	Cft		
							Total =	1623	Cft		
								@	4330.90	%Cft	70291

2. Dismantling of RCC

1	x	21 3/4	x	9 1/4	x	3/7	=	84	Cft		
1	x	16 3/4	x	51 1/4	x	3/7	=	361	Cft		
1	x	8 1/4	x	23 3/4	x	3/7	=	82	Cft		
							Total =	527	Cft		
								@	18342.70	%Cft	96666

3. Dismantling of PCC

1	x	14	x	3	x	1/4	=	11	Cft		
1	x	21 1/4	x	7	x	1/4	=	37	Cft		
1	x	23 3/4	x	7	x	1/4	=	42	Cft		
1	x	51 1/4	x	15 3/4	x	1/4	=	202	Cft		
							Total =	292	Cft		
								@	11209.45	%Cft	32732

4. Dismantling brick or flagged flooring without concrete foundation.

1	x	21 3/4	x	9 1/4	=	201	sft				
1	x	15 3/4	x	51 1/4	=	807	sft				
1	x	23 3/4	x	7	=	166	sft				
					Total =	1174	sft				
						@	866.20	%Cft	10169		

5. Excavation in foundation of buildings and other sturcture l/c dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft by manual (in ordinary soil)

	1	x	23 3/4	x	3	x	3	=	214 Cft
	1	x	21 1/4	x	3	x	3	=	191 Cft
	1	x	14	x	3	x	3	=	126 Cft
Toewall	1	x	23 3/4	x	2	x	2	=	95 Cft
Toewall	1	x	21 1/4	x	2	x	2	=	85 Cft
							Total	=	711 Cft

@ 10712.60 %0Cft 7617

6. Cement concrete brick or stone ballast 1½" to 2" gauge in foundation and plinth (1:6:12).

	1	x	23 3/4	x	3	x	1/2	=	36 Cft
	1	x	21 1/4	x	3	x	1/2	=	32 Cft
	1	x	14	x	3	x	1/2	=	21 Cft
Toewall	1	x	23 3/4	x	2	x	1/4	=	12 Cft
Toewall	1	x	21 1/4	x	2	x	1/4	=	11 Cft
							Total	=	112 Cft

@ 21276.20 % Cft 23829

7. Pacca brick work in Foundation & Plinth in cement sand

1st step	1	x	23 3/4	x	2 1/4	x	1/4	=	13 Cft
2nd step	1	x	21 1/4	x	2 1/4	x	1/4	=	12 Cft
3rd step	1	x	14 1/4	x	2 1/4	x	1/4	=	8 Cft
1st step	1	x	23 3/4	x	1 7/8	x	1/4	=	11 Cft
2nd step	1	x	21 1/4	x	1 7/8	x	1/4	=	10 Cft
3rd step	1	x	14 1/4	x	1 7/8	x	1/4	=	7 Cft
1st step	1	x	23 3/4	x	1 1/2	x	1/4	=	9 Cft
2nd step	1	x	21 1/4	x	1 1/2	x	1/4	=	8 Cft
3rd step	1	x	14 1/4	x	1 1/2	x	1/4	=	5 Cft
1st step	1	x	23 3/4	x	1 1/8	x	5 1/2	=	147 Cft
2nd step	1	x	21 1/4	x	1 1/8	x	5 1/2	=	131 Cft
3rd step	1	x	14 1/4	x	1 1/8	x	5 1/2	=	88 Cft
Toewall	1	x	23 3/4	x	1 1/2	x	1/4	=	9 Cft
	1	x	21 1/4	x	1 1/2	x	1/4	=	8 Cft
	1	x	23 3/4	x	1 1/8	x	1/4	=	7 Cft

11. i. Pacca brick work in cement sand mortar Ground floor (1:6)

H-wall	1	x	23 3/4	x	1 1/8	x	12	=	321	Cft		
V-wall	1	x	21 1/4	x	1 1/8	x	12	=	287	Cft		
P-pit	2	x	14 1/4	x	1 1/8	x	12	=	385	Cft		
							Total	=	993	Cft		
Deduction												
w	4	x	6	x	1 1/8	x	8 1/2	=	230	Cft		
d	1	x	4	x	1 1/8	x	7	=	32	Cft		
Lintels												
D	1	x	5	x	1 1/8	x	1/2	=	3	Cft	A =	
CW	4	x	7	x	1 1/8	x	3/4	=	24	Cft	27	
							Total	=	289	Cft		
			Net Total	=	993	-	289	=	704	Cft		
									@	33373.80	%Cft	234952

12. RCC in roof slab, beams, column, lintels girder and other structural member laid in situ / precast laid in position in prestressed member complete in all respect type 'C' nominal mixture (1:2:4).

Lintels					Qty as item No.7-i-A			=	27	Cft		
	1	x	23 3/4	x	14 1/4	x	3/7	=	142	Cft		
	1	x	21 1/4	x	14 1/4	x	3/7	=	127	Cft		
	1	x	53 1/2	x	18	x	3/7	=	404	Cft		
Beams	4	x	18	x	3/4	x	1	=	54	Cft		
Lab shelf	1	x	27	x	2	x	1/4	=	14	Cft		
							Total	=	768	Cft		
									@	539.2	P Cft	414106

13. Fabrication of mild steel reinforcement for cement concrete i/c cutting, bending, laying in position making joints and fastening i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), deformed bar. Grade-40

Qty as item No.8 =	768	x	6.75	x	0.4536	=	2351	Kg
							@ 31427.95	% Kg 738871

14. Single layer of tile 9"x4½"x1½" laid over 4"earth 1"mud plaster without bhoosa grouted with cement sand (1:3) on top of RCC roof slab provided with 34 lbs %Sft of 1.72 Kg sq. inch bitumen coating sand blinded over polythene 300 gauge.

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

	1	x	21 1/4	x	13	=	276	Sft		
	1	x	23 3/4	x	13	=	309	Sft		
	1	x	51 1/4	x	15 3/4	=	807	Sft		
Lab floor	1	x	12	x	11	=	132	Sft		
					Total	=	1524	Sft		
						@	341.95	Sft		521132

28. Providingand laying superb quality Porcelain glazed tiles of Master brand, skirting/ dado of specified size, Color and Shade with adhesive/ bond over 1/2" thick (1:2) cement plaster i/c the cost of and sealer for finishing the joints,cutting grinding complete in all respect as approved and directed by the Engineer Incharge. a) Full body Glazed

	1	x	99 1/4	x	5	=	496	Sft		
	1	x	106 1/4	x	5	=	531	Sft		
	1	x	14	x	5	=	70	Sft		
Lab floor	1	x	46	x	5	=	230	Sft		
					Total	=	1327	Sft		
						@	341.95	Sft		453768

29. Providing and f i tting al l types of glazed aluminium windows of anodised/ powder coated partly f ixed and partly sl iding using delux sections of approved manufacturer
having f rame size of 100 x 30 mm (4"x1-1/4") and leaf f rame sections of 50 x 20 mm (2"x¾"), al l of 1.6mm thickness including 5 mm thick imported tinted glass wi th rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

	4	x	6	x	8 1/2	=	204	Sft		
					Total	=	204	Sft		
						@	1353.75	P Sft		276165

30. Providing and fixing Aluminum Fly screen comprising of Fi ber /Aluminum wire guaze (Mal asi an) f i xed in aluminum f rame ofapproved manufacturer / powder coated of si ze 1-1/2"x1/2" and1.6mm thick wi th rubber gasket i/c cost of Hardwares as approved and di rected by the engineer incharge. complete in al l respect.

	4	x	6	x	8 1/2	=	204	Sft		

			@	494.50 P Sft	100878

31. P/F, M.S. flat ½"x1/8" grill including ¾"x1/8" M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.

Qty as item above	=	204 Sft			
			@	496.70 P Sft	101327

32. Providing and f ixing al l types of partly f ixed and partly openable glazed anodised/ powder coated aluminium doors, using delux section of M/s Al -Cop or Pakistan
Cables, having chowkat f rame of size 40 x 100 mm (1½" x 4") and leaf f rame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass wi th aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard f i ttings, locks, 3" (75 mm) wide long handles etc., and hardware any requi red as approved by the engi neer i n-charge.

1	x	4	x	7	=	28 Sft		
						@	1441.20 P Sft	40354

Total:- 3755898

Say: - **3755900**

Sub Divisional Officer,
Buildings Sub Division
Jaranwala

Executive Engineer,
Buildings Division No.2,
Faisalabad.

Based on MRS 2nd Bi-annual 2022

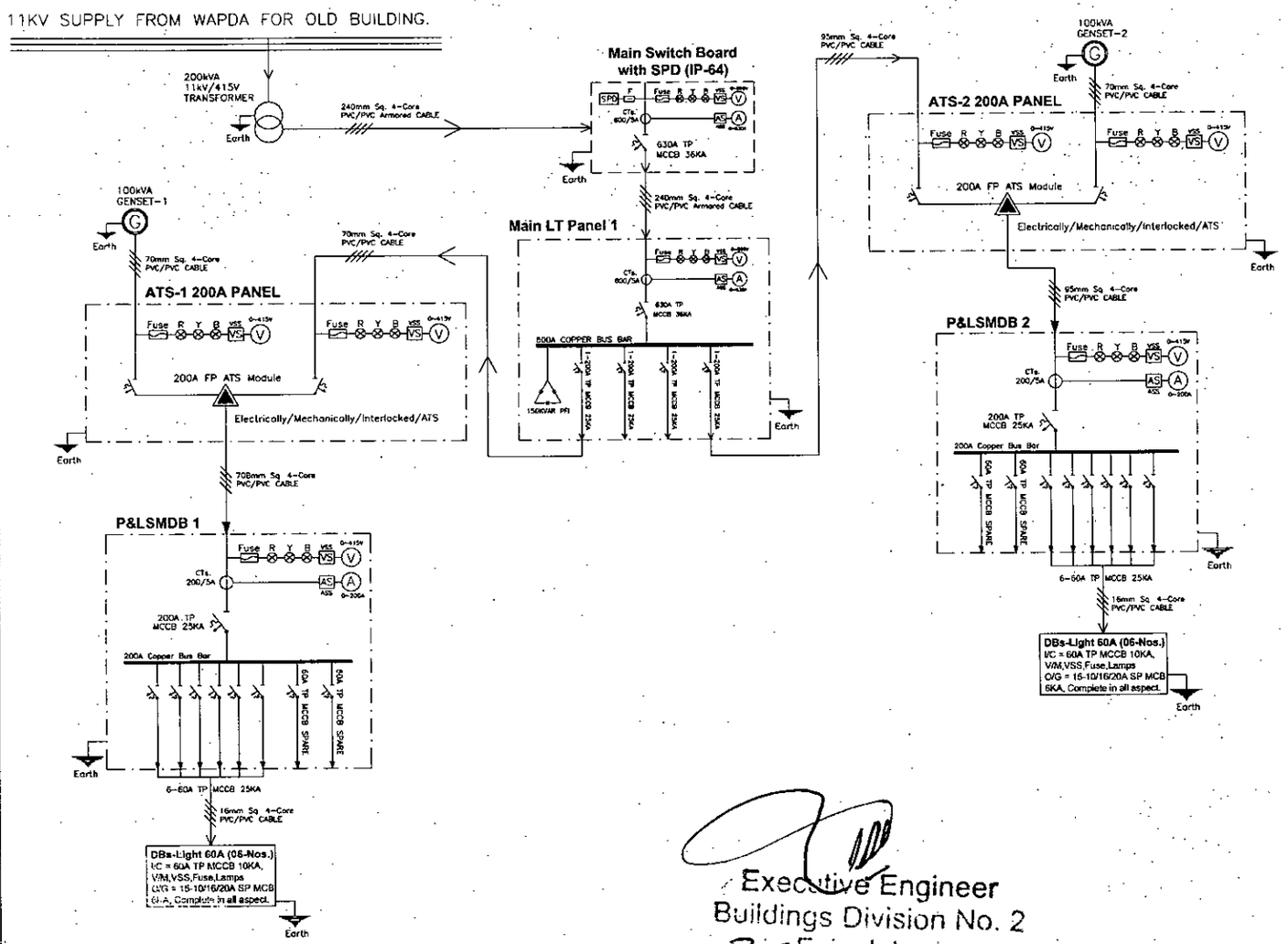
(E.I. PORTION)

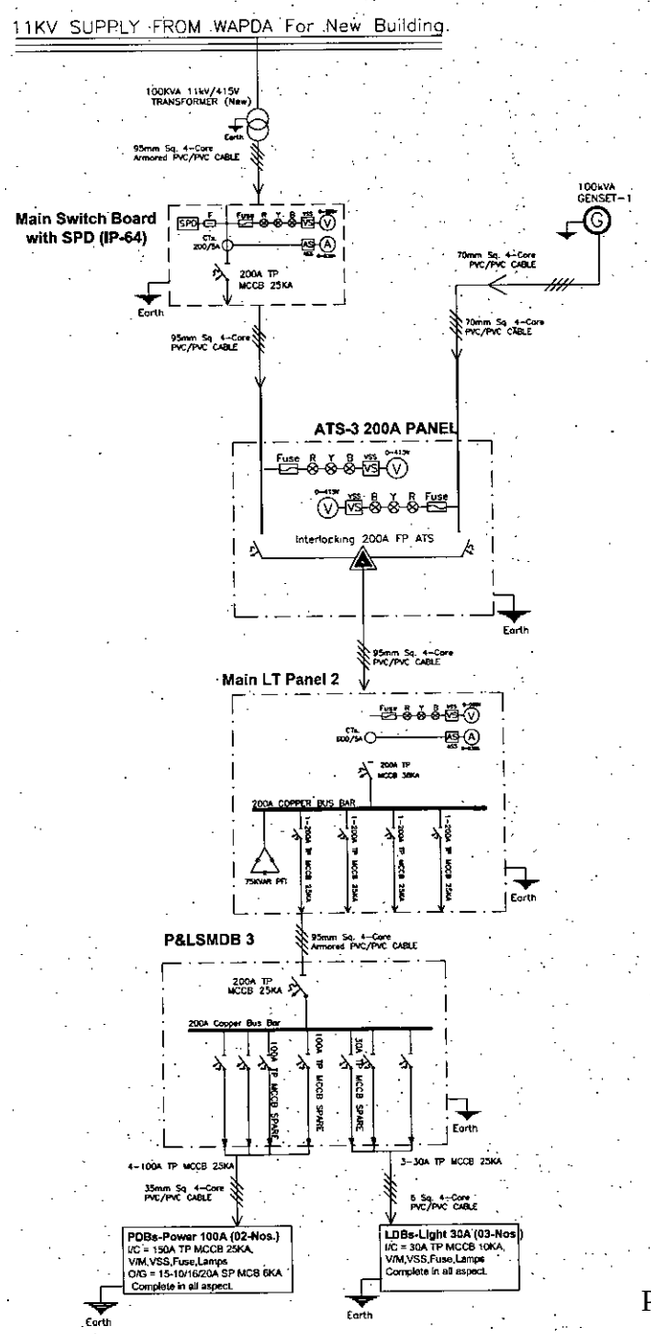
1.	S/E of PVC pipe for wiring recessed in walls i/c inspection boxes, pull boxes, cutting jharries and repairing surface.				
i.	3/4" i/dia. (20mm)	300 Rft	83.70	P Rft	25110 /-
2.	S/E of single core PVC insulated copper conductor cable in prelaid PVC pipe (Rate for cable only).				
i.	3/0.029"	700 Rft	26.10	P Rft	18270 /-
ii.	7/0.029"	350 Rft	41.15	P Rft	14403 /-
3.	S/E of M.S sheet box of 16 SWG 4"deep with 3/16" thick bakelite sheet on top etc.				
i.	7"x4" size	4 No.	380.60	Each	1522 /-
ii.	4"x4" size	7 No.	277.20	Each	1940 /-
4.	S/E of switch 5 Amp: Piano type.	37 No.	73.30	Each	2712 /-
5.	S/e of 3 pin switch and plug combined, recessed type. 10/15 Amp	4 No.	135.40	Each	542 /-
6.	S/e 3-Pin wall socket 5-Amp.	5 No.	91.50	Each	458 /-
7.	S/e of button holder bakelite large size.	7 No.	54.55	Each	382 /-
8.	S/E of Energy Saver 18-watts	7 No.	450.00	Each	3150 /-
				Total Rs:	**68489 /-**
				Say Rs:	**68500 /-**

Sub Divisional Officer,
Buildings Sub Division,
Jaranwala

Executive Engineer,
Buidings Division No.2
Faisalabad.

THQ Hospital Jaranwala





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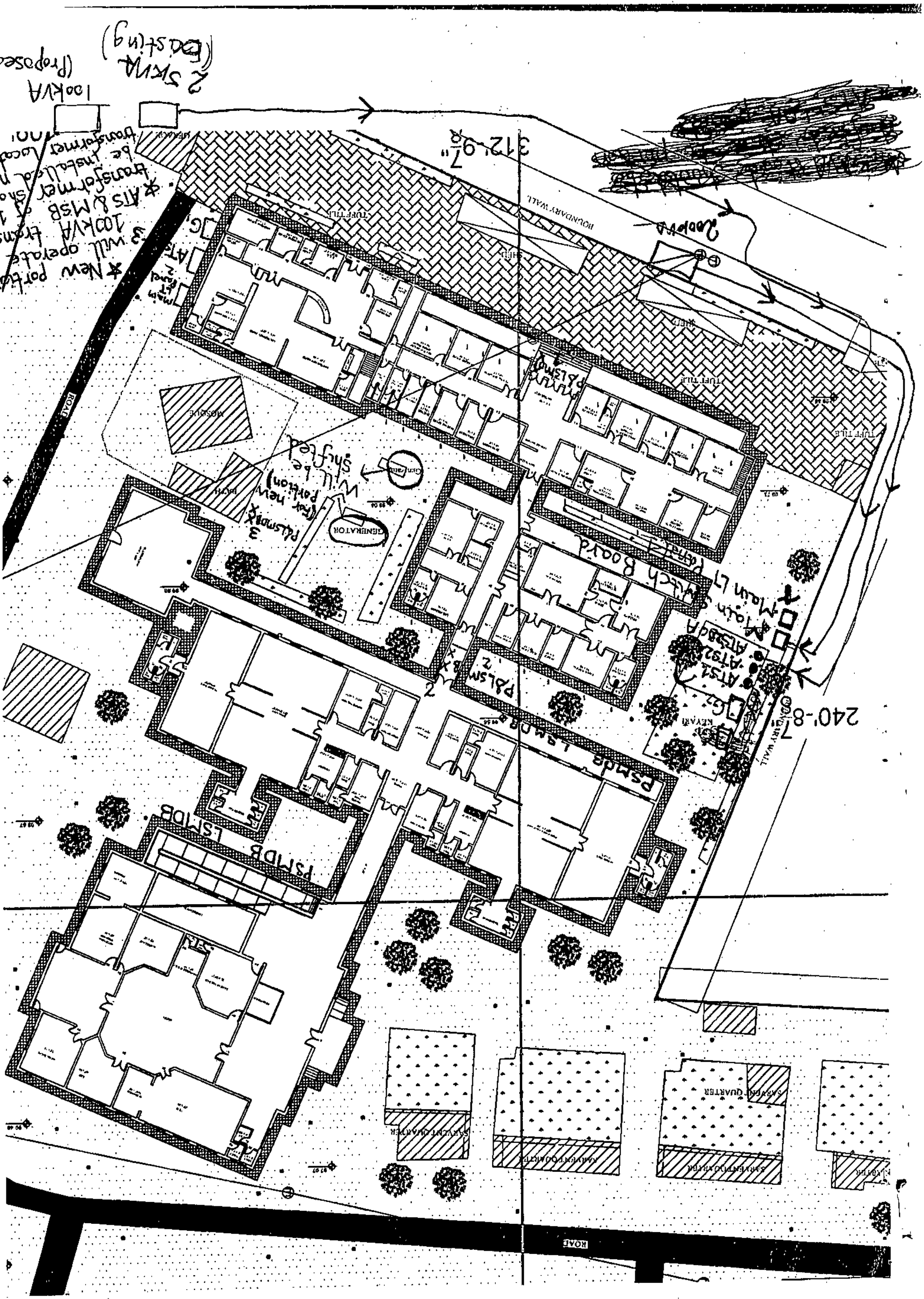
Buildings Division No. 2
Faisalabad



THQ Hospital Jaranwala

Water Technology | **H_2O Water Technology**

Deal in all kinds of
Domestic Water Filters,
Water Filtration Plants, R.O Plants,
Mineral Water Bottling Plants,
Swimming Pool, Filtration Plant

COMMERCIAL & TECHNICAL PROPOSAL
OF
REVERSE OSMOSIS PLANT WITH ARSENIC REMOVAL SYSTEM

WATER TREATMENT PLANT
MODEL BW-RO

Executive Engineering
Building Department No. 2
Faisalabad

CAPACITY: 1000-LITER PER HOUR
Raw Water TDS 2000-PPM (Brackish Water)

PROPOSAL # H_2O/2357-RO/AA/LHR

DATE OF ISSUE 28-07-2022

PREPARED BY: MUHAMMAD HABIB
H_2O WATER TECHNOLOGY
LAHORE
PAKISTAN

26-Dil Muhammad Road, Near
Pathi Ground, Lahore
042-37395050
h2owatertechnology@gmail.com

Water Technology

H_2O Water Technology

Deal in all kinds of
Domestic Water Filters,
Water Filtration Plants, R.O Plants,
Mineral Water Bottling Plants,
Swimming Pool, Filtration Plant

QUOTATION

Subject: PROPOSED SYSTEM BY H_2O WATER TECHNOLOGY
Capacity 1000-Ltrs. Per Hour

Dear Sir,

Reference to our telephonic conversation and regarding the above mentioned subject we are please to quote the same for your kind perusal and approval.

1) STAINLESS STEEL FRAME SKID:

Make	H_2O Water Technology
Skid	Stainless Steel
Stainless Steel Size	1½"
Length	8 ft
Width	3 ft
Qty.	01-No.

2) FEED WATER PUMP:

Duty	:	Supply raw water to the Unit
Flow rate	:	35-GPM
Make	:	Grandfose / CNP
Power	:	1-HP-SS Material
Quantity	:	01no.

3) MULTIMEDIA SAND FILTER:

Duty	:	Removal of Silt up to 25-micron from feed water
Make	:	Pentair USA /Equivalent
Flow	:	35-GPM
Vessel Dimensions	:	16" X 65"
Material	:	FRP (Food Grade)
Media	:	Silica Sand (Food Grade)
Control	:	Semi Auto Selector Valve
Quantity	:	01no.

26-Dil Muhammad Road, Near
Pathi Ground, Lahore
042-37395050
h2owatertechnology@gmail.com

4) ACTIVATED CARBON MEDIA SYSTEM:

Duty	:	Remove of Bad Taste, Smell, Chlorine from Feed Water
Make	:	Pentair USA /Equivalent
Flow	:	35-GPM
Vessel Dimensions	:	16" X 65"
Material	:	FRP (Food Grade)
Media	:	Activated Carbon Media Hycarb Srilanka
Control	:	Semi Auto Selector Valve
Quantity	:	01no.

5) ARSENIC REMOVAL SYSTEM:

Duty	:	Remove of Arsenic from Feed Water
Make	:	Pentair USA /Equivalent
Flow	:	35-GPM
Vessel Dimensions	:	16" X 65"
Material	:	FRP (Food Grade)
Media	:	Arsenic Remover Media FerroSorp Germany
Control	:	Semi Auto Selector Valve
Quantity	:	01no.

6) JUMBO 5-MICRON CARTRIDGE FILTER:

Duty	:	Removal of Silt up to 5-micron from feed water
Make	:	Italy
Flow	:	35-GPM
Cartridge	:	20" Jumbo PPF
Inlet & Outlet	:	1.5"
Quantity	:	02 nos.

7) ANTI-SCALANT DOSING SYSTEM:

Duty	:	Anti-Scalant and Acid, Boised dosing to the System
Pressure	:	5 lit/5 bar
Make	:	Etratron Italy
Tank	:	80-Ltr Pure Material Chemical Tank
Qty.	:	01 no.
Pump Qty.	:	01 no.

26-Dil Muhammad Road, Near
Pathi Ground, Lahore
042-37395050
h2owatertechnology@gmail.com

8. Ultra Filtration Technology (Automatic):

Duty Filtration of All Suspended Particles & Effective on Germs with latest Ultra Filtration Membrane. Advantages of Ultra Filtration reduces turbidity, cysts, and other particles down to 0.025 micron in size. Multi-pore membrane structure combines seven single capillaries into one resistant structure to maximize membrane integrity, virtually eliminating the potential for fiber breakage. Requires only normal line pressure to operate. Retains natural minerals content of the water. Low pressure drop / high flow rates.

Make	Malaysia
Model	UF-1000
Type	Ultra Filtration
Capacity	upto 1000-Gallons Per Hour
Membrane Size	4" x 40"
Membrane Qty.	2-Nos.
Membrane Vessel	FRP
Vessel	4" x 40"
Vessel Qty.	1-No.
Control	Backwash & Filtration Control

H_2O Water Technology

Water Technology

Deal in all kinds of
Domestic Water Filters,
Water Filtration Plants, R.O Plants,
Mineral Water Bottling Plants,
Swimming Pool, Filtration Plant

Reverse Osmosis Unit

Duty	:	Reduce TDS of Water
Quantity	:	01no.
System Capacity	:	Upto 1000 LPH
Feed Water TDS	:	Less than 2000 PPM
Product Water TDS	:	Less than 90 PPM
Recovery	:	50-60 %
Operating Pressure	:	150- psi
Recommended Pump	:	CDL 4-160
Flow Rate	:	35-GPM
Typical Ion Rejection	:	95-98%
Membrane Require	:	01 No. (Brackish Water)
Membrane Make	:	Hydronatic – USA
Membrane Size	:	8"x40"
Membrane Housing	:	01-no. FRP (food grade)
Array	:	1 (1-Elements Housing)
High Pressure Piping	:	1"
Connection	:	1" PVC Inlet
		1" PVC Permeate
		1" PVC Concentrate

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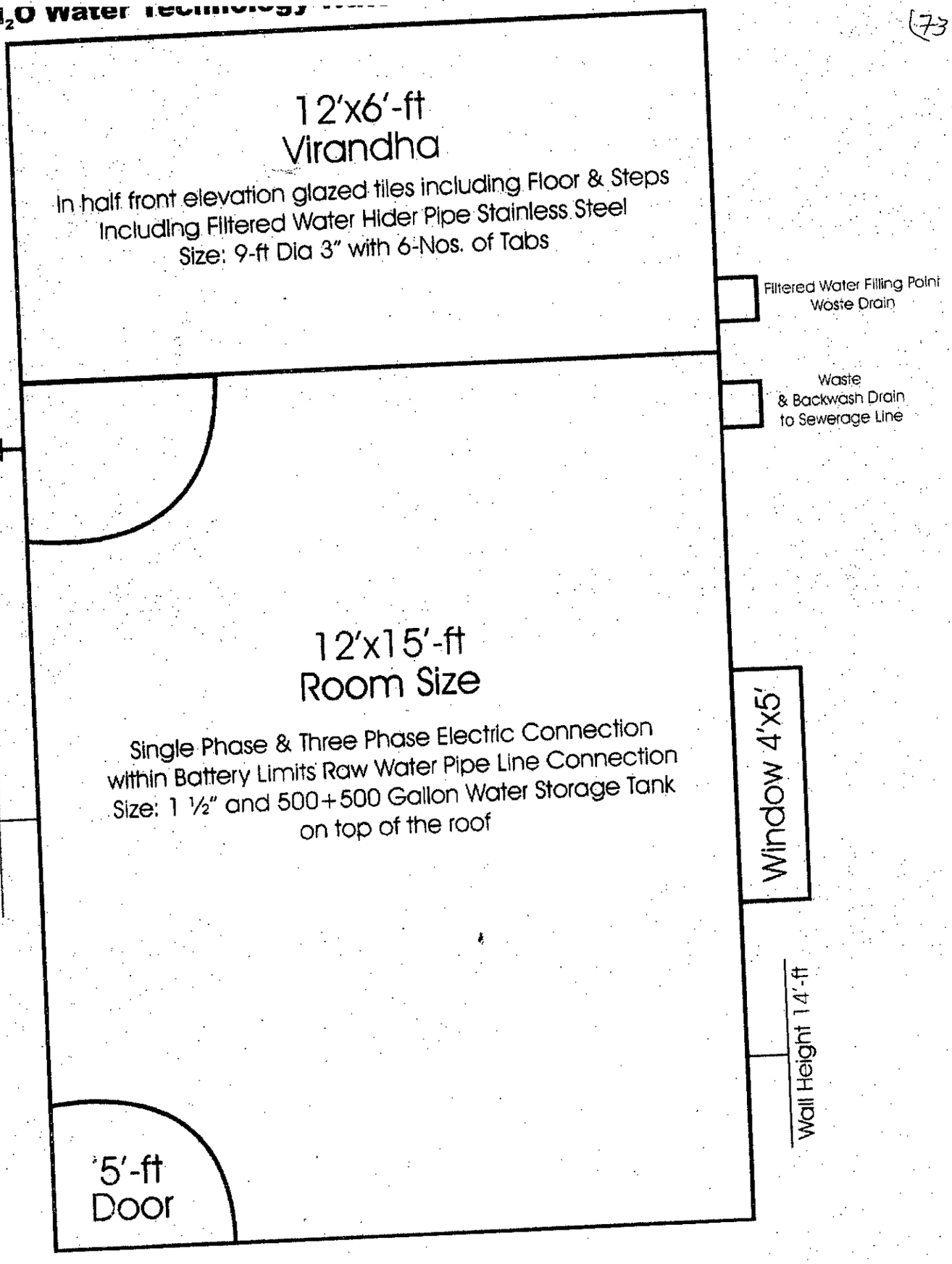
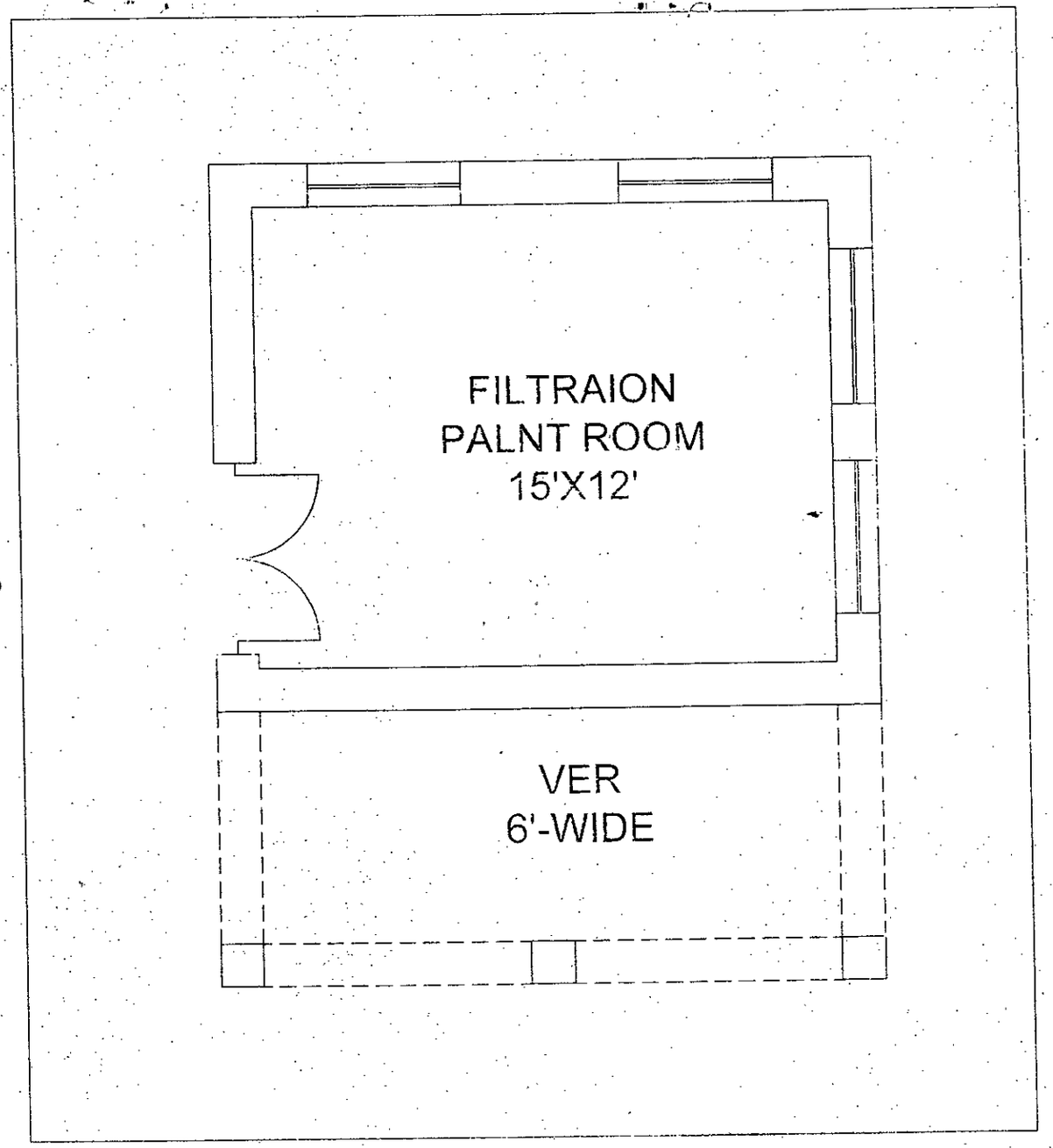


Executive Engineer
Buildings Division No. 2
Faisalabad



Executive Engineer
Buildings Division No. 2
Faisalabad

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010599
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO21010599
A/C To be Credited: Account-I

PKR Million

Sr #	Object Code
Total	

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

atteched

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	55.000	30.302	1.718	2.258	3.235	6.914	99.426
Utilization	24.459	29.745	1.317	0.724	3.024	0.502	64.772

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released						27.574	27.574
Utilization						0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

11.3 Social Benefits with Indicators

Social economic burden will be decreased due to availability of better medical services in the district. Time and money of community will be saved which were expended in other cities like Lahore Islamabad etc. on treatment of patients and for boarding and logging of attendants. The social status of community will rise.

11.3.1 Social Impact:

A number of patients lose their lives or suffer serious disabilities for want of timely access to the health facilities. The project will ensure that no one is left to reach the health facilities. The most important beneficiaries will be mothers having complicated delivery conditions. The number of patients transferred to the health facilities for treatment and lifesaving will serve as indicators for performance evaluation. In long term the project will help in improving socio-economic indicators of IMR and MMR.

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

11.5 Environmental Impact

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

11.6 Impact of Delays on Project Cost and Viability

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the

major needs and a long awaited desire of the community, therefore, Government of the Punjab contemplated plan for early execution of Revamping of Emergency Units. The delay will not only deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

The Targets of Sustainable Development Goals (SDGs) will be achieved
The Human Development Index of Pakistan (HDI) will improve
Infant Mortality Rate will decrease
Mother Mortality rate will be decreased
The international commitments of Pakistan will be accomplished
Health standard of public will
Better Health Facilities to mother and
Prompt and scientific facility for operation
Rehabilitation of disables and injured
Blindness in this area will be decreased and controlled
Better social and mental health to addict
Provision of better health facilities at doorsteps
Awareness and control for communicable
Survival of heart failure
Social indicators of Pakistan will improve

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee
Laboratory fees
Diagnostic facility fees
Dental fee
ECG fee

Private room charges
Ambulance charges

From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

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

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name: Mr. KHIZAR HAYAT **Designation:**Project Director, PMU P&SHD
Email: **Tel. No.:**042-99231206
Fax No:
Address:31/E1, Shahrah-e-imam Hussain? Road? Block E 1 Gulberg III, Lahore, Punjab

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

Prepared By:

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

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

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

Checked By:

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

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

Approved By:

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

17. RELATION WITH OTHER PROJECTS