PC-1

Revamping of THQ Hospital, Minchinabad District Bahawalnagar

ORIGINAL APPROVED COST	**PKR Million. 375.812/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Minchinabad District Bahawalnagar

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. BAHAWALNAGAR

2.2. TEHSIL(S)

I. MINCHINABAD

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:**5286
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1.300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

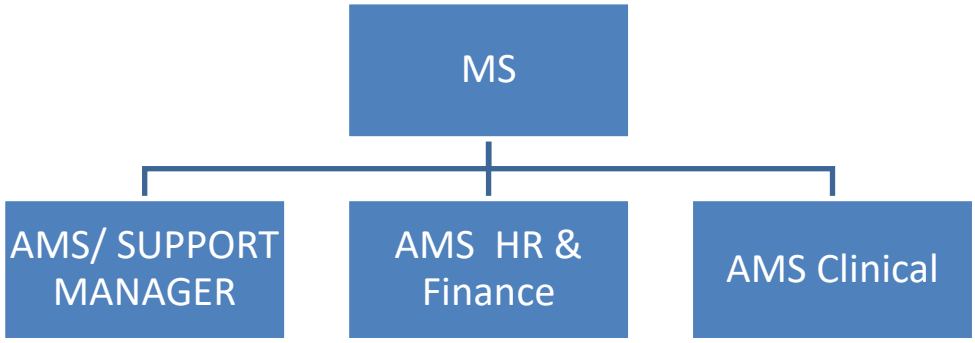
5.4.5 Security

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

5.6 HR & Management Interventions Structure

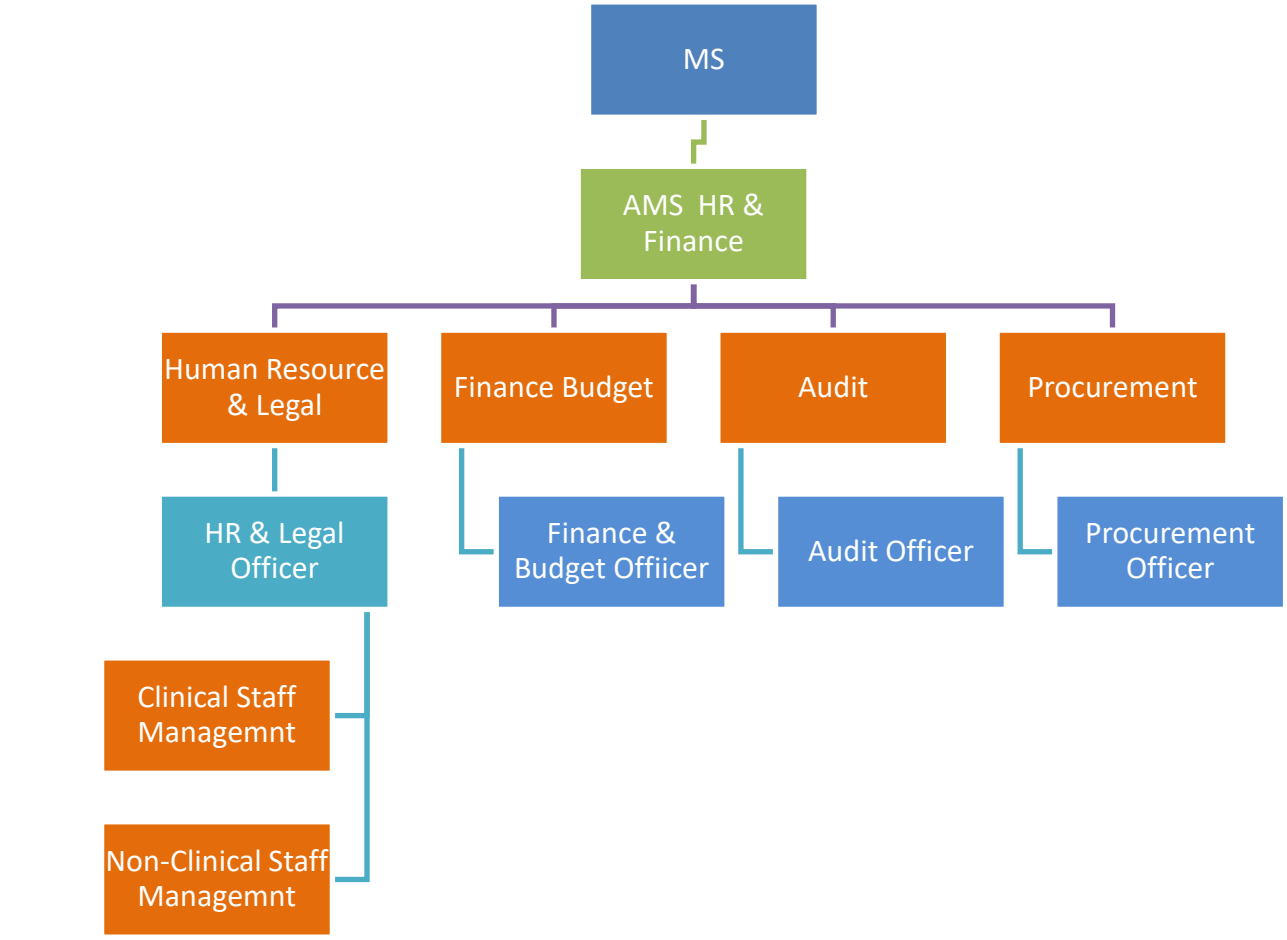
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

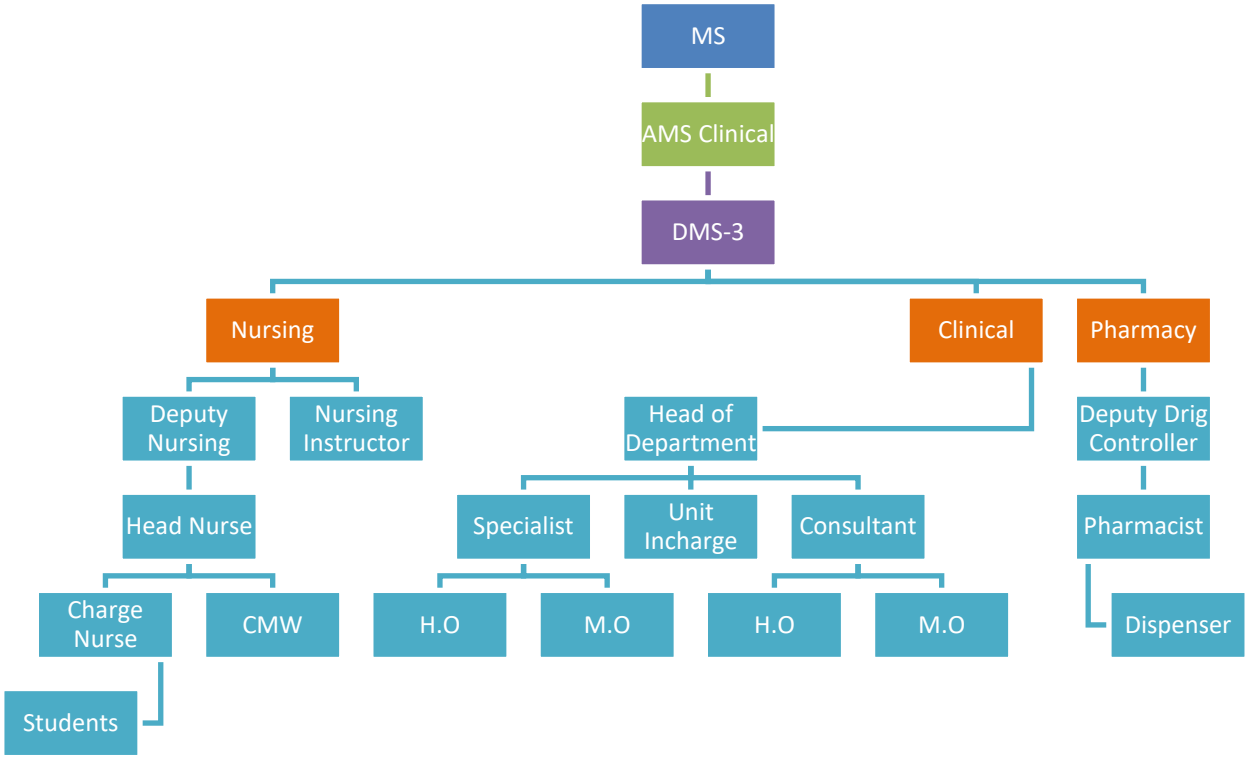
New Organogram of Hospital



MS

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


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


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

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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

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

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

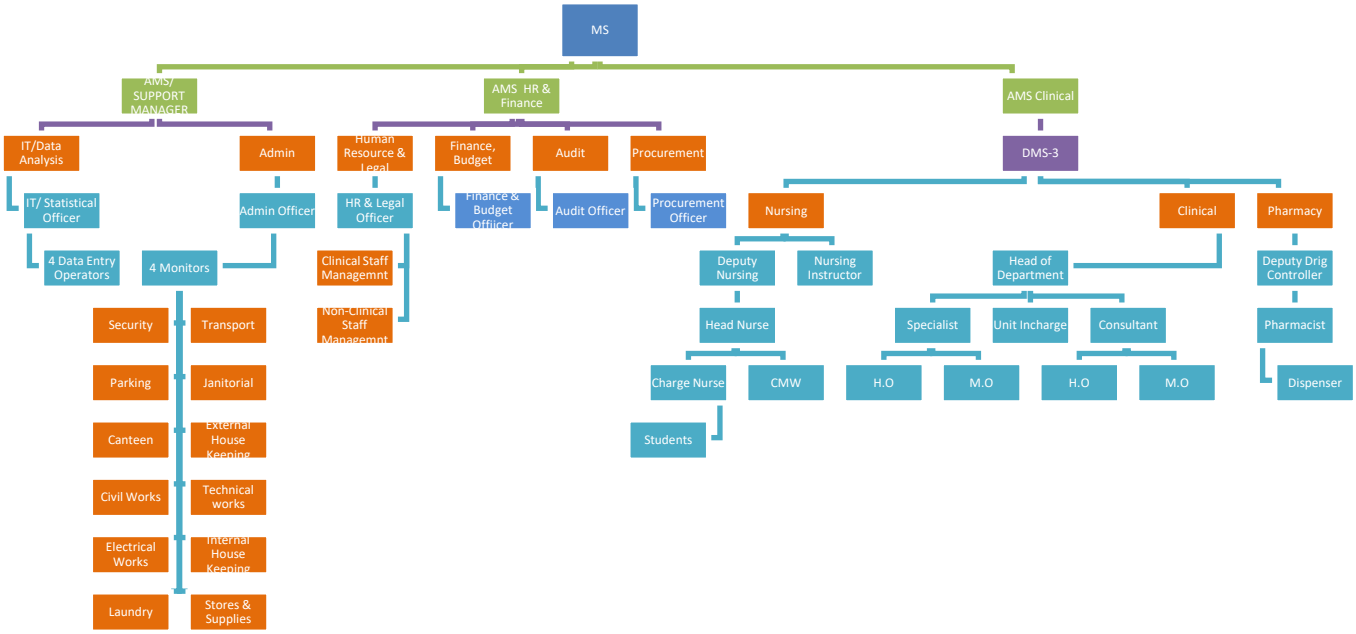
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Minchinabad District Bahawalnagar is more than 0.512 million. The area of the THQ Hospital Minchinabad District Bahawalnagar is 534,490 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 THQ Minchinabad District Bahawalnagar.

Revamping of THQ Minchinabad District Bahawalnagar 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 increased from Rs. 11.668 million to Rs. 77.177 million due to few changes in the scope and MRS rates (2nd Bi-annual 2022).

85 THQ Hospitals covered under the Program:

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

PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE DEPARTMENT

LOCATION OF DHQ AND THQ HOSPITALS IN PUNJAB

6.2 SECTORAL SPECIFIC INFORMATION

Social Sectors, Health Department

7. CAPITAL COST ESTIMATES

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

Grant Number: Development - (PC22036)
LO NO:LO17011163
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	**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**

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010071
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	**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**

Abstract of Cost

Name of THQ Hospital	THQ MINCHINABAD											
	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	23.422	23.422	0.000	23.422	23.422	7.567	10.000	17.567	49.173	10.000	59.173
External development	0.000	5.555	5.555	0.000	5.555	5.555	4.101	0.000	4.101	28.004	0.000	28.004
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	0.000	0.000	0.000	0.000	0.000	0.000
Total Capital Component	**0.000**	**34.577**	**34.577**	**0.000**	**34.577**	**34.577**	**11.668**	**10.000**	**21.668**	**77.177**	**10.000**	**87.177**
Revenue component												
Emergency	0.000	24.320	24.320	0.000	24.320	24.320	0.000	34.586	34.586	0.000	57.881	57.881
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	47.933	47.933	0.000	47.933	47.933	0.000	62.835	62.835	0.000	91.243	91.243
Electricity	0.000	11.911	11.911	0.000	11.911	11.911	0.000	20.911	20.911	0.000	25.111	25.111
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	3.098	3.098	0.000	3.098	3.098	0.000	4.271	4.271	0.000	4.271	4.271
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	36.820	36.820	0.000	53.083	53.083
LC Deficit during procurement (currency fluctuation)								3.101	3.101		3.101	3.101
Total Revenue component	**0.000**	**142.746**	**142.746**	**0.000**	**142.746**	**142.746**	**0.000**	**203.996**	**203.996**	**0.000**	**288.635**	**288.635**
Outsourcing component												
Janitorial Services	0.000	13.824	13.824	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	7.491	7.491	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.520	2.520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	4.686	4.686	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	4.948	4.948	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	**0.000**	**43.915**	**43.915**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Total	**0.000**	**221.238**	**221.238**	**0.000**	**177.323**	**177.323**	**11.668**	**213.996**	**225.663**	**77.177**	**298.635**	**375.812**
Contingency (1%) only on Civil Component	0.000	0.347	0.347	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	2.212	2.212	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	2.212	2.212	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**226.010**	**226.010**	**0.000**	**177.323**	**177.323**	**11.668**	**213.996**	**225.663**	**77.177**	**298.635**	**375.812**

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=5+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity (T=5+S=0+E=12)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0	0	99,750	-	0	99,750	-	0	99,750	-	0	99,750	-
2		Chairs	0	0	26,775	-	0	26,775	-	0	26,775	-	0	30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	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	0	420,000	-	0	420,000	-	0	460,000	-	0	850,000	-
29		Sucker machine *(N)	2	0	259,350	-	0	259,350	-	0	275,000	-	0	300,000	-
30		Nebulizer HD*(N)	2	0	125,265	-	0	125,265	-	0	215,000	-	0	300,000	-
31		Center Oxygen supply*N	1	0	420,000	-	0	420,000	-	0	-	-	0	-	-
32		Resuscitation Trolley (fully equipped))*(N)	1	0	237,618	-	0	237,618	-	0	400,000	-	0	600,000	-
33		Defibrillator*N	1	0	302,605	-	0	302,605	-	0	650,000	-	0	800,000	-
34		Pulse- oximeter*(N)	4	0	104,000	-	0	104,000	-	0	160,000	-	0	225,000	-
35		Bedside-monitor*(N)	4	0	301,665	-	0	301,665	-	0	550,000	-	0	1,200,000	-
36		ECG MACHINE)*(N)	1	0	169,785	-	0	169,785	-	0	169,785	-	0	300,000	-
37		BP APPARATUS*N	1	0	15,750	-	0	15,750	-	0	16,000	-	0	16,000	-
38		FOOT STEP)*(N)	1	0	3,150	-	0	3,150	-	0	4,000	-	0	5,500	-
39		ATTANDANT BENCH)*(N)	1	0	5,250	-	0	5,250	-	0	8,000	-	0	10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot steps*(N)	7	12	210,000	2,520,000	12	210,000	2,520,000	12	400,000	4,800,000	12	600,000	7,200,000
41	12	ECG machine(with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	169,785	339,570	2	300,000	600,000
42		Pulse- oximeter *(N)	6	11	104,000	1,144,000	11	104,000	1,144,000	11	160,000	1,760,000	11	225,000	2,475,000
43		Bedside-monitor*(N)	3	6	301,665	1,809,990	6	301,665	1,809,990	6	550,000	3,300,000	6	1,200,000	7,200,000
44		B.P apparatus wall type *(N)	6	11	26,250	288,750	11	26,250	288,750	11	30,000	330,000	11	30,000	330,000

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total	Required Quantity	Actual Unit	Actual Total
45	Emergency ward	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
46		Resuscitation Trolley (fully equipped))*(N)	1	2	237,618	475,236	2	237,618	475,236	2	400,000	800,000	2	600,000	1,200,000
47		Defibrillator*N	1	2	299,153	598,307	2	299,153	598,307	2	650,000	1,300,000	2	800,000	1,600,000
48		Sucker machine *(N)	2	4	259,350	1,037,400	4	259,350	1,037,400	4	275,000	1,100,000	4	300,000	1,200,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag 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		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				**24,319,727**			**24,319,727**			**34,586,020**			**57,881,200**
						24.320			24.320			34.586			57.881

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
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	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	3	0	449,295	-	3	0	449,295	-	3	0	550,000	-	3	0	550,000	-
2		Hematology Analyzer	1	1	0	427,350	-	1	0	427,350	-	1	0	550,000	-	1	0	750,000	-
3		Electrolyte Analyzer	1	0	1	427,350	427,350	0	1	427,350	427,350	0	1	550,000	550,000	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	2,744,858	-	0	0	3,200,000	-	0	0	1,400,000	-
5		Clinical Microscope	1	6	0	132,825	-	6	0	132,825	-	6	0	180,000	-	6	0	250,000	-
6	**Laboratory**	Water Bath	1	2	0	60,000	-	2	0	60,000	-	2	0	157,500	-	2	0	325,000	-
7		Hot air Oven	1	2	0	210,000	-	2	0	210,000	-	2	0	385,000	-	2	0	450,000	-
8		Distilled water plant	1	1	0	52,500	-	1	0	52,500	-	1	0	75,000	-	1	0	125,000	-
9		Auto pipettes	10	6	4	31,500	126,000	6	4	31,500	126,000	6	4	40,500	162,000	6	4	45,000	180,000
10		glass wares	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-
11		Centrifuge Machine	2	3	0	149,336	-	3	0	149,336	-	3	0	250,000	-	3	0	400,000	-
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	1	0	3,850,524	-	1	0	3,850,524	-	1	0	4,300,000	-	1	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	4,018,245	-	0	0	4,500,000	-	0	0	4,500,000	-
15	**X-Rays**	Dental X-Ray	0	1	0	282,975	-	1	0	282,975	-	1	0	350,000	-	1	0	525,000	-
16		Lead apron and PPE	2	2	0	52,500	-	2	0	52,500	-	2	0	60,000	-	2	0	85,000	-
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	210,000	-	0	0	210,000	-	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	105,000	-	0	0	105,000	-	0	0	150,000	-
19		Lead Walls	0	2	0	525,000	-	2	0	525,000	-	2	0	525,000	-	2	0	525,000	-
20	**Ultrasound**	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	1	0	1,371,331	-	1	0	1,500,000	-	1	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	0	1	3,698,310	3,698,310	0	1	4,500,000	4,500,000	0	1	5,500,000	5,500,000
22		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	1	0	690,539	-	1	0	690,539	-	1	0	700,000	-	1	0	1,500,000	-
30	**Blood Bank**	Centrifuge Machine	2	1	1	149,336	149,336	1	1	149,336	149,336	1	1	250,000	250,000	1	1	400,000	400,000
31		Slide viewer	1	1	0	42,000	-	1	0	42,000	-	1	0	55,000	-	1	0	55,000	-
32		Clinical Microscope	1	1	0	132,825	-	1	0	132,825	-	1	0	180,000	-	1	0	250,000	-
33	**Dialysis Unit (10 beds)**	Computerized Hemo Dialysis Machine	5	4	1	1,050,000	1,050,000	4	1	1,050,000	1,050,000	4	1	1,600,000	1,600,000	4	1	3,200,000	3,200,000
34		Baby Cot	10	1	9	14,669	132,017	1	9	14,669	132,017	1	9	16,000	144,000	1	9	16,000	144,000
35		Phototherapy Unit	2	1	1	130,200	130,200	1	1	130,200	130,200	1	1	655,000	655,000	1	1	850,000	850,000
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	2	0	858,932	-	2	0	858,932	-	2	0	900,000	-	2	0	1,750,000	-
39		Suction Pump	1		1	259,350	259,350		1	259,350	259,350		1	275,000	275,000		1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	0	2	125,265	250,530	0	2	125,265	250,530	0	2	215,000	430,000	0	2	300,000	600,000
41		Anesthesia Machine with Ventilator	1	1	0	2,509,554	-	1	0	2,509,554	-	1	0	3,000,000	-	1	0	7,000,000	-
42		BED SIDE PATIENT MONITOR	2	0	2	441,000	882,000	0	2	441,000	882,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
43		Defibrillator	2	0	2	308,713	617,425	0	2	308,713	617,425	0	2	650,000	1,300,000	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	0	507,530	-	1	0	700,000	-	1	0	900,000	-
45		Operation Table	1	1	0	1,426,215	-	1	0	1,426,215	-	1	0	2,000,000	-	1	0	2,500,000	-
46	**O.T (04)**	Ceiling Operating Light	1	1	0	413,013	-	1	0	413,013	-	1	0	800,000	-	1	0	950,000	-
47		STEAM STERILIZER	1	1	0	3,465,000	-	1	0	3,465,000	-	1	0	4,000,000	-	1	0	7,800,000	-
48		Suction Pump	2		2	259,350	518,700		2	259,350	518,700		2	275,000	550,000		2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	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	1	3	21,000	63,000	1	3	21,000	63,000	1	3	23,000	69,000	1	3	23,000	69,000
51		MOBILE OPERATING LIGHT	1	1	0	304,220	-	1	0	304,220	-	1	0	400,000	-	1	0	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	1	0	259,350	-	1	0	259,350	-	1	0	275,000	-	1	0	300,000	-
74		Laryngoscope	0	1	0	9,744	-	1	0	9,744	-	1	0	12,000	-	1	0	20,000	-
75		Set of Surgical Instruments	0	2	0	141,750	-	2	0	141,750	-	2	0	160,000	-	2	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	1	4	237,618	950,473	1	4	237,618	950,473	1	4	400,000	1,600,000	1	4	600,000	2,400,000
80		BP Appratus	15	10	5	15,750	78,750	10	5	15,750	78,750	10	5	16,000	80,000	10	5	16,000	80,000
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	**Beds**	Fowler beds with Mattress	40	0	40	70,000	2,800,000	0	40	70,000	2,800,000	0	40	110,000	4,400,000	0	40	150,000	6,000,000
		Total					**47,932,636**				**47,932,636**				**62,834,820**				**91,242,638**
							47.933				**47.933**				**62.835**				**91.243**

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	3	1,600,000	4,800,000
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	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
4	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
5	2 Ton air conditioners (split)	6	55,500	333,000	6	55,500	333,000	6	55,500	333,000	6	55,500	333,000
6	2 Ton air conditioners (Cabinet)	20	78,000	1,560,000	20	78,000	1,560,000	20	78,000	1,560,000	20	78,000	1,560,000
7	4 Ton air conditioners (Cabinet)	10	120,000	1,200,000	10	120,000	1,200,000	10	120,000	1,200,000	10	120,000	1,200,000
8	Ceiling Fans 56"	40	3,090	123,600	40	3,090	123,600	40	3,090	123,600	40	3,090	123,600
10	Bracket Fans 18"	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160	72	3,280	236,160
9	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Dual Connection of Electricity / Express Line	1	5,000,000	5,000,000	1	5,000,000	5,000,000	1	14,000,000	14,000,000	1	14,000,000	14,000,000
	Total			**11,910,760**			**11,910,760**			**20,910,760**			**25,110,760**
				11.911			**11.911**			**20.911**			**25.111**

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)	6	10,119	60,714	6	10,119	60,714	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,257	55,542	6	9,257	55,542	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	112,496	112,496	1	112,496	112,496	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,454	144,540	10	14,454	144,540	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,495	22,495	1	22,495	22,495	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	30,158	30,158	1	30,158	30,158	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	37,243	37,243	1	37,243	37,243	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	45,228	45,228	1	45,228	45,228	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,808	52,808	1	52,808	52,808	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,944	23,832	3	7,944	23,832	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	47,206	283,236	6	47,206	283,236	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	41,187	82,374	2	41,187	82,374	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	90,873	454,365	5	90,873	454,365	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	69,188	345,940	5	69,188	345,940	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	51,241	204,964	4	51,241	204,964	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	51,835	207,340	4	51,835	207,340	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	13,107	91,749	7	13,107	91,749	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,767	75,340	20	3,767	75,340	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	866	86,600	100	866	86,600	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,423	142,300	100	1,423	142,300	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,611	180,550	50	3,611	180,550	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,837	18,370	10	1,837	18,370	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,271	12,710	10	1,271	12,710	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,434	48,680	20	2,434	48,680	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	21,088	105,440	5	21,088	105,440	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,173	54,325	25	2,173	54,325	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	653	3,265	5	653	3,265	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,143	11,430	10	1,143	11,430	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	888	13,320	15	888	13,320	15	1,225	18,375	15	1,225	18,375
		Total			**3,007,354**			**3,007,354**			**4,146,482**			**4,146,482**
		Designing and Site Supervision			90,221			90,221			124,394			124,394
		Grand Total			**3,097,575**			**3,097,575**			**4,270,877**			**4,270,877**
					3.098			3.098			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

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
48	Stuffed toys (Animal shaped i.e. Moneky, lion, caterpillar etc)	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000	6	1,500	9,000
49	Long Roads with Stands	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500	1	1,500	1,500
50	Number Rods	1	500	500	1	500	500	1	500	500	1	500	500
51	Stand Number Rods	1	800	800	1	800	800	1	800	800	1	800	800

DAY CARE CENTER

Yard Stick as per Women 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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	**ITEMS**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**	**Yard Stick (DCC of 25 Kids)**	**Unit Cost**	**Total**
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675
	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								**8.680**				**12.61**					
	Total of HR Component												**36.82**					**53.083**

Janitorial Services

Original

Assumptions			
Covered area excluding residential area	43,602	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	6	Persons	
Road and ROW area	72,909	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	5	Persons	
Number of washroom blocks	8	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	3	Persons	
Total sweeper in morning shift	13	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	28	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	28	22,000	7,295,520
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)			**13,823,520**

13.824

From 1st Revised to onward

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 onward
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	43,602				
Covered Area per guard	15,000				
Number of guards	**3**				
Open area excluding parking area	72,909				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	**5**				
Number of gates	3				
Number of guards at gates	**6**				
Total No of Guard	**14**				
Total number of all guards for second shift	**7**				
Lady Searcher	**4**				
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	9	21,525	193,725	2,324,700	
Civilian	12	21,000	252,000	3,024,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				**7,490,700**	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=5, Walkies Talkies=10, Base Set=1)				500,000	
Sub total				**500,000**	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				**7,490,700**	
				7.491	

Laundry Services

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

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

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

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

Maintenance of Generator

	Original			From 1st Revised to onward
Item Name	**Quantity**	**Cost per year**	**Total Cost**	
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	2	300,000	600,000	
Number of Generators (50 KVA)	-	175,000	-	
Repairs Cost	1	600,000	600,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			**2,520,000**	
			2.520	

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

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

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

MEP

	Original				From 1st Revised to onward
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	200	6,665	1,333,000	1,333,000	
Fridge	10	4,000	40,000	40,000	
UPS	15	8,000	120,000	120,000	
Water Cooler	20	4,000	80,000	80,000	
Exhaust	10	3,000	30,000	30,000	
Geyser	20	4,000	80,000	80,000	
Water Pump	8	3,000	24,000	24,000	
Carpentry Work		-	180,000	180,000	
Electrical Work		-	120,000	120,000	
Plumbing Work		-	75,000	75,000	
Sub Total				**2,082,000**	
General Total				**4,686,000**	
				4.686	

Medical Gases

		Original				From 1st Revised to onward
Scope of Work		Monthly Consumption per THQ Hospital	Annual Consumption per THQ Hospital	Rate per Cylinder	Total Annual Cost per THQs	
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				From 1st Revised to onward
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 onward
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 F Y".** In view of above, Outsourcing cost has been excluded from this PC-I.
1	**SOFT LANDSCAPE**					
1.1	**TOP SOIL**					
	Providing, spreading and leveling of topsoil (sweet soil including manure and fertilizers) as required complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Cft	14,653	22	322,361	
1.2	**STONE / PEBBLES**					
	Supply and laying a layer of pebbles/stone at specified locations with Landscape base as in Landscape Design approved by the Engineer.	Truck	1	34,375	34,375	
1.3	**GRASSING**					
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**					
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	20,095	7	140,666	
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	25,119	11.25	282,589	
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	103	1,500	154,500	
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	24	270	6,480	
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	100	600	60,000	
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	9,134	69	630,246	
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	1,435	195	279,825	
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	9,755	12	117,060	
1.7	**PALMS**					
	Providing and planting palms as per Drawings, specifications and to the satisfaction of Engineer .					
a	Palm 18" pot - Queen Palm, Wodyetia Bifurcate, Washingtonian Palm, Biskarkia etc.	No's	12	3,675	44,100	
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	16	1,800	28,800	
1.8	**CREEPERS**					
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .					
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	49	195	9,555	
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	2010	150	301,500	
2.2	**BENCHES**					
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	9	14,698	132,282	
2.3	**DUSTBINS**					
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	6	27,700	166,200	
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	9	3,850	34,650	
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	2	45,000	90,000	
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	50,238	9.00	452,142	
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	195	550	107,250	
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	25	550	13,750	
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	47	550	25,850	
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				**4,179,120**	
	PRA(16%)				668,659	
	Design Consultancy				100,000	
	Grand Total				**4,947,779**	
					4.948	

From

The Chief Engineer,
Punjab Buildings Department,
South Zone, Lahore.

To

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

Memo No.76-Dev/2014/ 2999 /Dev. Dated 2.11.2022

Subject: **ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME REVAMPING OF ALL THQ HOSPITALL IN PUNJAB ONE AT THQ HOSPITAL MINCHINABAD DISTRICT BAHAWALNAGAR" ADP NO.658 FOR THE YEAR 2022-23.**

Please find enclosed copy of Rough Cost Estimate amounting to ~~Rs.79.843(M)~~ 77.177 duly vetted by the Chief Engineer for arranging necessary Administrative Approval.

The Rough Cost Estimate has been prepared on the basis of rates meant for 2nd Bi-annual 2022.

DA/As Above.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

Endst: No. /Dev, Dated 2.11.2022.

A copy is forwarded for information to:-

1. The Superintending Engineer, Buildings Circle, Bahawalpur for information with reference to his letter No.2053/DB, dated 29.10.2022.
2. The Executive Engineer, Buildings Division, Bahawalnagar.
3. The Chief Draftsman (Local).

DA/Nil.

DEPUTY DIRECTOR-II
for Chief Engineer, South Zone,
Punjab Buildings Department, Lahore.

Received
07/11/2022

consultant civil Please check the Estimate
07/11/2022

PUNJAB BUILDINGS DEPARTMENT

BAHAWALNAGAR.

PROVINCE	PUNJAB
DISTRICT	BAHAWALNAGAR
DIVISION	BUILDINGS DIVISION, BAHAWALNAGAR.
SUB DIVISION	BUILDINGS SUB DIVISION, MINCHINABAD.
NAME OF WORK	ROUGH COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL AT MINCHINABAD (ADP NO-658-2022-23)
ESTIMATED COST	~~79.843 M~~ 77.1777 ~~80.896~~ Rs.~~83.167~~ (M)

3	Wooden Doors flush or Solid/ Main Doors and Aluminum Doors	All doors in OPD are damaged and needs to be replaced with new wooden doors. All Entrance doors of OPD needs to be replaced with Aluminum door.	Most of the doors are damaged and needs to be replaced by new wooden doors. Remaining doors in good condition will only be repainted properly after scrapping the old paint.	All doors in OT block needs to be replaced with new wooden doors. All Entrance and Exit doors of wards need to be replaced with Aluminum doors half solid and half glazed glass fixed on it. Entrance door of OT Block needs to be replaced with Aluminum half solid half glazed glass door. 2 x Entrance doors of OT (where surgery takes place) should be wooden double hinged door with half SS plate fixed on it.	All doors in Indoor block need to be replaced with new wooden doors. All wards entrance and exit doors need to be replaced with Aluminum doors half solid and half glazed glass doors.	4 x Entrance doors of wards need to be replaced with Aluminum doors half solid and half glazed glass doors.	All Existing doors are in good condition and needs to be retained. Note Only SS plate needs to be fixed up to half height of door on entrance doors of Emergency ward and Treatment room.	Specifications, wood/type of door, polish, door locks and handles will be as per specified C&W standards.
4	Verandah opening (opening to open area)/ MS Windows on Façade	All MS Angle windows need to be retained and should have a new mesh fixed on it from outer side and repainting the MS Angle.	All MS Angle windows need to be retained and should have a new mesh fixed on it from outer side and repainting the MS Angle.	All MS Angle windows need to be retained and should have a new mesh fixed on it from outer side and repainting the MS Angle.	All MS Angle windows need to be retained and should have a new mesh fixed on it from outer side and repainting the MS Angle.	Not Required.	Not Required.	Specifications will be as per C&W standards.
5	Existing Internal Windows	All Existing MS internal windows need to be replaced with Aluminium Windows. MS Windows at façade and inside rooms/offices other than Aluminum windows need to be replaced with Aluminum windows.	All Existing MS internal windows in Diagnostic Block (X-Ray & Lab) needs to be replaced with Aluminum Windows. All windows other than Aluminum inside Diagnostic Block (X-Ray & Lab) needs to be replaced with Aluminum.	All Existing MS internal windows in Gyane & OT Block needs to be replaced with Aluminum Windows. All windows other than Aluminum inside Gyane & OT Block needs to be replaced with Aluminum. **Note All windows in OT opening outside needs to be closed by doing brick work followed by plaster and paint works.**	All Existing MS internal windows inside mal and female wards and in entire Indoor block needs to be replaced with Aluminium Windows.	All windows in Dialysis block need to be retained.	All windows in Emergency block need to be retained.	Specifications, Aluminum and glass color will be as per specified C&W Standards
6	Internal Electric fittings	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	All Electric fittings including switch boards, plates, sockets, wires, DBs & bracket fans should be replaced and installed at standard height from Finish Floor level and all must be identical. All old switch fittings & DBs if requires need to be changed.	Not Required.	Not Required.	Model Specifications/ Brands, should be as per specified C&W Standards.
7	Internal Lighting Fixtures	All corridors and rooms should lit with SMD's with concealed wiring.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	All corridors and rooms should lit with SMD's with concealed wiring at 8 ft distance. All old switch fittings & DBs if requires need to be changed.	All corridors and rooms should lit with SMD's with concealed wiring.	Not Required.	Not Required.	Model Specifications/ Brands and distance should be as per specified C&W Standards.

8	Revamping of Public Toilets	Patient/Attendant washrooms in OPD Block needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All Patient/Attendant washrooms in Diagnostic Block (X-Ray & Lab) needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All Patient/Attendant washrooms in Gyane & OT Block needs to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	All PatientAttendant washrooms in male and female wards need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	2 x PatientAttendant washrooms in Dialysis Block need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with new water supply (where damaged) and sewerage connections (where damaged). Entrance doors of all washrooms need to be replaced with UPVC doors. Common vanities to be made. Exhaust fans 24" two or three as per requirement with Aluminum ventilators need to be fixed.	Not Required.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.
9	Wall Paint	Surface of walls of OPD Block should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Surface of walls of all Blocks should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint specifications, brand and color will be as per C&W standards.
10	Roof Treatment	Required as per C&W standards.	Required as per C&W standards	Required as per C&W standards	Required as per C&W standards	Required as per C&W standards	Not Required.	
11	Nursing Counter (Ward)	Not required.	Not Required.	Nursing counter will be provided upto 2.5' height with granite/ marble on top as per C&W standards.	Nursing counter will be provided upto 2.5' height with granite/ marble on top as per C&W standards.	Not Required.	Not Required.	
12	Stairs - Marble and Railing	Not required.	On steps of stairs leading to first floor Marble needs to be fixed on steps.	Not required.	Not required.	Not Required.	Not Required.	Marble/Granite type and installation technique will be as per C&W Standards.
13	Entrance	On all Entrances on Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.	On all Entrances Podium and steps Marble/Granite needs to be fixed.	On All Entrances On Podium And Steps Marble/Granite Needs To Be Fixed.	On All Entrances On Podium And Steps Marble/Granite Needs To Be Fixed.	
14	Ramps - Tile and Railing	Ramp at Entrance of OPD needs to have Antiskid tiles fixed on it with SS railing.	Antiskid tiles need to be fixed on ramp at entrance with SS Railing fixed on it.	Antiskid tiles need to be fixed on ramp at entrance with SS Railing fixed on it.	On ramp at Entrance Antiskid tiles with SS railing needs to be fixed.	On ramp at Entrance Antiskid tiles with SS railing needs to be fixed.	On ramp at Entrance Antiskid tiles with SS railing needs to be fixed.	
15	Façade Uplifting	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Façade needs to be uplifted and seepage issues need to be treated after using appropriate sealers as per C&W standards.	Not Required.	Not Required.	
16	Lead linning Walls (X-Ray)	Not required.	Lead Linning needs to be done inside X-Ray Room.	Not Required.	Not required.	Not Required.	Not Required.	

17	Anitmicrobial Treatment (OTs)	Not required.	Not Required.	Inside 2 x OT's Antimicrobial flooring, Antimicrobial wall panelling and non-porous ceiling needs to be done inside OT (where surgery takes place).	Not required.	Not Required.	Not Required.	
18	External Weather Shield	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation missing portion only matching as per IDAP revamped area.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	External weather shield of grey and white pattern of first class quality needs to be done on the front Elevation only.	
19	Edge Protection	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of 5 ft. till the height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	SS Edge Protection needs to be fixed on all corners up to height of Wall/Dado tiles.	
20	Columns SS Cladding	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	SS Cladding required to be done on Columns at entrance.	
21	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	
22	Fire Alarm System	Required.	Required.	Required.	Required.	Required.	Required.	
23	Expansion joint of Building	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	Treat expansion joint of building properly & cover it with SS plate and water bearer inside as per C&W standards. Expansion joints on roof top to have double wall covered with pre cast slabs and sealing gaps between slabs properly.	

24	Specific Points	1) In lab all floor tiles and wall/dado tiles need to be fixed. On shelves in lab marble to be fixed with proper nosing. All water supply and sewerage pipes need to be made underground in lab. 2) Entrance door in corridor leading from Diagnostic Block (X-Ray and Lab) to Indoor block needs to be replaced with Aluminum door half solid and half glazed glass door. 3) Partition wall to be made for store in OPD block as discussed during site visit. 4) PCC track 5 ft. wide for shifting patients between Emergency and Indoor block needs to be made.
25	Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects. Similarly, few existing DB's need to replace as per site condition along with proper earthing of complete hospital.

Medical Superintendent
THQ Hospital Minchinabad

SCOPE FOR REVAMPING OF HEALTH FACILITY THQ HOSPITAL MINCHINABAD DISTRICT BAHAWALNAGAR

Sr No	Description	Condition	Additional Information	
	Water Supply System		Existing OHR meets with the requirements of the Hospital. Only External water supply lines connecting from OHR to various clinical blocks of Hospital only needs to be repaired and only damaged lines need to be replaced.	
	Sewerage System		Sewerage line of Hospital is chocked/blocked needs to be disilted and only damaged/broken sewerage lines need to be replaced.	
	External Pathways		Asphalt road to be made from Emergency block to Indoor block.	
	Boundary Wall		Not Required	
	Main Gate		Not Required	
	Sources of Electircal Sipply		Demand Notice to be paid for Dual Supply or Express Line.	
	Transformer		Requirement of transformer will be assessed after visit of Wapda & DN to be paid accordingly as per site requirement.	
	ATS Panel for Generators		As per site requirement.	
	Electrical Panel Room		Electrical Room needs to be made.	
	External Wires		All external wires/cables should be replaced after detail electrical analysis & design. Moreover these main wires should be concealed in all respects.	
	Water Filtration Plant		Not Required as Filtration plant already exists in Hospital.	

Medical Superintendent
THQ Hospital Minchinabad

	25	2.5		7	438	Sft	1500	657000
				Total	**438**		~~700~~ p.sft	~~306250~~

9 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

cw	61	3	0.75	1.5	206	Cft		
	1	6	0.75	11	50	"		
				Total	**255**	30526.30	%cft	77957

10 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick

cw	61	3		1.5	275	sft		
	1	6		11	66	"		
				Total	**341**	3,241.60	%.sft	11038

11 Dismantling glazed encausit tile, etc

OPD

gallary	1	76.41	7.25	554	~~Sft~~	
"	1	76.41	6	458	Sft	
clerk	1	20.41	15.75	321	Sft	
medical	3	16.25	15.75	768	Sft	
toillet	1	11.83	15.75	186	Sft	
wastag	2	11.83	15.75	373	Sft	
waiting	1	32.13	24.25	779	Sft	
gallary	1	71	7.33	520	Sft	
dental	2	11.75	15.83	372	Sft	
dental	2	16.25	15.83	514	Sft	
dentist	1	7.5	10	75	Sft	
~~wash~~	~~1~~	~~7.5~~	~~5.33~~	~~40~~	~~Sft~~	~~4962~~

SKIRTI

gallary	2	76.41	3.5	535	Sft
"	1	76.41	1	76	Sft
clerk	2	20.41	3.5	143	Sft
"	2	15.75	3.5	110	Sft
medical	6	16.25	5	488	Sft
"	6	17.75	5	533	Sft
toillet	2	11.83	5	118	Sft
"	2	15	5	150	Sft
wash	6	5	5	150	Sft
"	6	3	5	90	Sft
wastag	4	11.83	5	237	Sft
"	4	15.75	5	315	Sft
waiting	2	32.13	5	321	Sft
"	2	24.25	5	243	Sft
gallary	2	71	3.5	497	Sft
dental	4	11.75	3.5	165	Sft
"	4	15.83	3.5	222	Sft
dental	4	16.25	3.5	228	Sft
"	4	15.83	3.5	222	Sft
dentist	2	7.5	3.5	53	Sft
"	2	10	3.5	70	Sft
wash	2	7.5	5	75	Sft
"	2	5.33	5	53	Sft

5094 ✓

~~5091~~

x-ray lab dignostic

~~dispens~~	~~2~~	~~24.25~~	~~16~~	~~776~~	~~Sft~~

nursing	2	12	5	120	Sft			
"	2	8.75	5	88	Sft			
side	2	13.25	3.25	86	Sft			
"	2	9.91	3.25	64	Sft			
wash	8	5.5	6	264	Sft			
medical	2	19.91	3.25	129	Sft			
"	2	7.66	3.25	50	Sft			
male	2	19.91	5.25	209	Sft			
"	2	50	5.25	525	Sft			
toillet	2	14.25	6	171	Sft			
"	2	15.91	6	191	Sft			
wash	8	5	5	200	Sft			
"	8	3	5	120	Sft			
wash	4	5	6	120	Sft			
"	4	4	6	96	Sft			
gallary	2	86.5	5.25	908	Sft			
terace	2	13.25	3.25	86	Sft			
"	2	11.91	3.25	77	Sft			
wash	4	5.91	5	118	Sft			
"	4	5.5	5	110	Sft			
head	2	19.91	3.25	129	Sft			
"	2	11.25	3.25	73	Sft			
children	2	19.91	5.25	209	Sft			
"	2	42.66	5.25	448	Sft			
store	2	10	3.25	65	Sft			
"	2	16	3.25	104	Sft			
"	2	9.625	3.25	63	Sft			
"	2	7.625	3.25	50	Sft			
electric	4	9.625	6	231	Sft	5105		482633
			Total	~~39350~~ 20662		2,335.85	% sft	~~919169~~

12 Dismantling cement concrete plain 1:2:4

same as above item	18692	x	0.125	**2337**	11174.60	%cft	261095

13 Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.

same as above item	18692	x	0.375	**7010**	9284.40	%cft	~~650790~~

14 Cement concrete plain including placing ,compacting,finishing and curing complete (including screening and washing of stone aggrigate).

same as above item			Total	**2337**	38126.10	%cft	890816

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

			Total	**18692**	340.5	p.sft	6364626

16 Removing cement or lime plaster.

			Total	**20659**	423.3	%sft	87450

17 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick

			Total	**20659**	3,241.60	%sft	669682

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

OPD

gallary	2	76.41	6	917	Sft	
"	1	76.41	6	458	Sft	
clerk	2	20.41	0.5	20	Sft	
"	2	15.75	0.5	16	Sft	
medical	6	16.25	6	585	Sft	
"	6	17.75	6	639	Sft	
toillet	2	11.83	7	166	Sft	
"	2	15	7	210	Sft	
wash	6	5	7	210	Sft	
"	6	3	7	126	Sft	
wastag	4	11.83	6	284	Sft	
"	4	15.75	6	378	Sft	
waiting	2	32.13	6	386	Sft	
"	2	24.25	6	291	Sft	
gallary	2	71	6	852	Sft	
dental	4	11.75	0.5	24	Sft	
"	4	15.83	0.5	32	Sft	
dental	4	16.25	0.5	33	Sft	
"	4	15.83	0.5	32	Sft	
dentist	2	7.5	0.5	8	Sft	
"	2	10	0.5	10	Sft	
wash	2	7.5	7	105	Sft	
"	2	5.33	7	75	Sft	5854

x-ray lab dignostic

dispens	4	24.25	6	582	Sft	
"	4	16	6	384	Sft	
homiop	2	15.91	0.5	16	Sft	
"	2	12	0.5	12	Sft	
side	2	7.58	0.5	8	Sft	
"	2	11.91	0.5	12	Sft	
store	2	11.66	0.5	12	Sft	
"	2	5.83	0.5	6	Sft	
dark	2	11.83	0.5	12	Sft	
"	2	11.83	0.5	12	Sft	
gallary	2	11.66	6	140	Sft	
"	2	5.66	6	68	Sft	
libartary	2	19.83	6	238	Sft	
"	2	16.58	6	199	Sft	
side	2	11.75	0.5	12	Sft	
"	2	7.75	0.5	8	Sft	
wash	2	7.25	7	102	Sft	
"	2	7.75	7	109	Sft	
ddoh	2	19.83	0.5	20	Sft	
"	2	20	0.5	20	Sft	
gallary	2	132.4	6	1589	Sft	

"	2	89	6	1068	Sft	4059
OT &						
gallary	2	66	6	792	Sft	
"	2	39.75	6	477	Sft	
"	6	44.58	6	1605	Sft	
medicin	12	16	6	1152	Sft	
"	12	10.16	6	732	Sft	
"	2	16	6	192	Sft	
"	2	15.83	6	190	Sft	
"	2	16	6	192	Sft	
"	2	6	6	72	Sft	
gynacol	2	16	0.5	16	Sft	
"	2	11	0.5	11	Sft	
eye	2	7.91	0.5	8	Sft	
"	2	15.66	0.5	16	Sft	
bath	4	6.625	7	186	Sft	
"	4	6.83	7	191	Sft	
bath	8	5.5	7	308	Sft	
toillet	2	19.91	7	279	Sft	
"	2	16	7	224	Sft	
gyni	4	19.91	6	478	Sft	
"	4	24.83	6	596	Sft	
nursury	2	19.91	6	239	Sft	
"	2	16.25	6	195	Sft	
cango	2	19.83	0.5	20	Sft	
"	2	8.125	0.5	8	Sft	
store/lis	4	9.5	0.5	19	Sft	
"	4	7.66	0.5	15	Sft	
influza	2	13.25	0.5	13	Sft	
"	2	11.5	0.5	12	Sft	
side	2	11.83	0.5	12	Sft	
"	2	9.91	0.5	10	Sft	8258
INDOOR MALE FEMALE WARD						
nursing	2	12	6	144	Sft	
"	2	8.75	6	105	Sft	
side	2	13.25	0.5	13	Sft	
"	2	9.91	0.5	10	Sft	
wash	8	5.5	7	308	Sft	
medical	2	19.91	6	239	Sft	
"	2	7.66	6	92	Sft	
male	2	19.91	6	239	Sft	
"	2	50	6	600	Sft	
toillet	2	14.25	7	200	Sft	
"	2	15.91	7	223	Sft	
wash	8	5	7	280	Sft	
"	8	3	7	168	Sft	
wash	4	5	7	140	Sft	
"	4	4	7	112	Sft	
gallary	2	86.5	6	1038	Sft	

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.
(a) Cementitious Urethane
(b) Epoxy
(c) Polyurethane
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
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
(b) 2.5mm thick

Analysis of Rate for

Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels that can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas,welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer Incharge.

Analysis purpose---------- 10 x 10 = 100 Sft
Unit---------- P.sft
2nd Bi- Annaual 2022

Provision and Laying anti microbial wall panelling / Cladding SPM Walls Panels that can resist to heavy impacts non porous and 100 % Antibacteril material suitable for high intention risk areas,welded joints for perfect water tightness between panel resist to standard cleaning disinfection and antiseptic products heavy resistant sustainable formulation complete in all respect and as approved by Engineer Incharge.

1 x 10 x 10	=	100	Sft		
5 % Wastages	=	5			
	Total	105	Sft		
	@	1701	P.Sft		178605
		Total			178605
Add 12% contractor 's Profit and OHC					21432.6
		G.Total			200037.6

Rate P.Sft 200037.6 / 100 = 1800 ~~2000~~
Say P.Sft RS: ~~2000~~

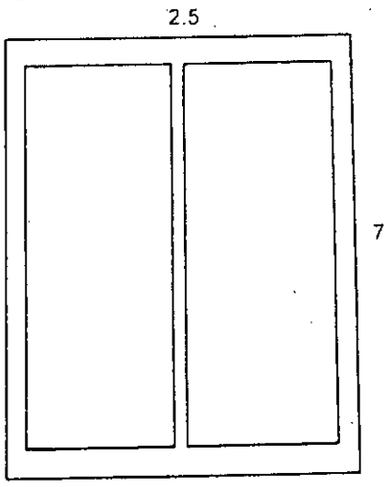
Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Buildings Division
Bahawalnagar

Analysis of Rate for

Providing and fixing UPVC Doors 38mm thickness i/c Deluex matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories execpt locks complete in all respect as approval by the Engineer Incharge.

Unit = 2.5 x 7= 18 Sft



(A) COST OF MATERIAL

a) UPVC Doors 38mm thickness

1 No	1.00	No.		
	@ Rs.	22520	Rs.	22,520.00
			Rs.	22,520.00
	Contractor's 20% Profit		Rs.	4,504.00
	Total		Rs.	27,024.00

TOTAL 27,024.00

Rate P.Sft = 1,501.33
Say Rs.= 1500.00

It is certificated that rate adopted in the analysis are as aper input rates displayed on website of Finance Deparment

It is certificated that the rate of items not availabe on website but involved in Non-Standardized item rate have been applied after ascertaining personality by me from the market.

The quantity of material taken in analysis and specifications of analysis Is quite economical in the best interest of work and reasonable.

The rate as per analysis is quit reasonable and recommended for approval.

SBE

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Buildings Division
Bahawalnagar

Analysis of Rate for

P/L Anti-microbial floor Gerflor flooring Ambiance ultra Anti-bacrerial Anti static Hihg performance Homogeneous flooring resistence to main chemical products used in health care installed with self leveling compound 2mm thickness.

Analysis purpose---------- 10 x 10 = 100 Sft
Unit---------- P.sft
2nd Bi- Annaual 2022

a P/L Anti-microbial floor Gerflor flooring Ambiance ultra Anti-bacrerial Anti static Hihg performance Homogeneous flooring resistence to main chemical products used in health care installed with self leveling compound 2mm thickness.

1 x 10 x 10	=	100	Sft			
5 % Wastages	=	5				
	Total	105	Sft			
	@	1224.5	P.Sft		128572.5	
			Total		128572.5	
Add 12% contractor 's Profit and OHC					15428.7	
			G.Total		144001.2	

Rate P.Sft 144001.2 / 100 = 1440.012
Say Rs. 1440 /-

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Division
Bahawalnagar

Analysis of Rate for

P/F Non- Porous aluminium Dampa ceilling size 600mm x 600mm and 0.7mm thickness complete in all respect as approved by the Engineer Incharge.

Analysis purpose---------- 10 x 10 = 100 Sft
Unit---------- P.sft.
2nd Bi- Annaual 2022

a P/F Non- Porous aluminium Dampa ceilling size 600mm x 600mm and 0.7mm thickness complete in all respect as approved by the Engineer Incharge.

1 x 10 x 10	=	100	Sft		
5 % Wastages	=	5			
	Total	105	Sft		
	@	425	P.Sft	44625
		Total		44625
Add 12% contractor 's Profit and OHC				5355
		G.Total		49980

Rate P.Sft 49980 / 100 = Rs: 500

SBE

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Buildings Division
Bahawalnagar

MEDISYS

Specialist In Medical Equipment, Laboratory Equipment, Hospital Furniture Special Cases & Pipe Line System.

QUOTATION

Customer

Name	XEN
Address	Bahawalnagar
Site	DHQ
Phone	

Misc

Date	
Att.	
Job	

S/No.s	Qty	Description	Unit Price	Unit	Total
1	1390	**Anti bacterial Flooring (With Installation)** Anti-Bacterial, Heterogeneous flooring Anti-bacterial activity ,T Group => best abrasion resistance, TVOC after 28 days < 10Âug/m3 => Thickness, 2mm	1,450.00	SQFT	2,015,500.00
2	2335	**Anti-Bactarial Wall Panelling (With Installation)** Non-porous, Easy to Clean, Sustainable formulation Thermoformable at corners for ease of Maintenance Resists to standard cleaning, disinfection and antiseptic products, (Imported) Size: 9.2 feet height x 4feet width, Thickness: 2mm	4,050.00	SQFT	9,456,750.00
3	1306	Aluminum Nonprous Ceiling Size: 600mm*x 600mm	1,000.00	SQFT	1,306,000.00

Amount	12,778,250.00
17%	2,172,302.50
Total Amount	14,950,552.50

Terms & Conditions

Payment	80% Advance
Validity	7- Days from the date of this Quotation.
Taxes	Prices are with G.S.T.
Note	Company cannot be held responsible for customer imposed requirement
	not Included in this quotation unless specially agreed to in writing by us.

Thanks and best regards

HEAD OFFICE: 17-T, Bilal Centre,9-Nicholson Road, Lahore - Pakistan. Tel: 0423-6310677
Fax: 92-423-6364990 e-mail: medisys@hotmail.com, Cell: 0333-7177794

CamScanner

SBE

MULTI PLANNER TRADING CORPORATION

A Medical, Industrial Equipment Sale & Service and General Order Supplier

DATE	22/08/2022
QUOTE #	0101-W11
VALID UNTIL	15-Days

CUSTOMER

Executive Engineer Services,
Bahawalnagar

DESCRIPTION	UOM	QTY	Rate	AMOUNT
Anti Microbial Wall Paneling Including Installation Proven Anti-Microbial Technology with certifications Good chemical resistant properties, Easy to Clean, Accredited by: ECHA, CE, FDA, EPA, HACCP & is BDR Compliant ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 (Imported)	SQFT	2340	3990	9,336,600.00
Anti bacterial Flooring Including Installation Heterogeneous flooring, AntiBacterial European classification EN 685 class 34-43 (Imported)	SQFT	1390	1500	2,085,000.00
Nonprous Ceiling System Local	SQFT	1306	960	1,253,760.00
			Subtotal	12,675,360.00
			TOTAL	Rs12,675,360.00

TERMS AND CONDITIONS

1. Customer will be billed after indicating acceptance of this quote
2. 60% Advance, 30% after delivery & 10% after work completion.
3. Please fax or mail the signed price quote for proceeding
4. *Prices are excluding taxes.*

Thank You For Your Business!

E-9 First Floor, Shabnum Centre, Shalimar Link Road, Lahore-Pakistan, Ph: 042-36880667
Fax: 042-36880667 E-mail: mptc667@gmail.com

CamScanner

CRE

MASTER WINDOWS & DOORS(Pvt.Ltd)			WINDOWS & DOORS FABRICATION www.masterupvcprofiles.com			
CLIENT NAME:Executive Engineer Building Division Bahawalnagar			QUOTATION DATE :		26/10/2022	
CONTACT NO:			QUOTATION No:		MUP-22/2022	
PROFILE USING: Skypen/Buraq 60mm			EXPECTED DELIVERY DATE:		depend on order status	
CITY:			Team Leader		ali raza	
			Lead generation		ali raza	
			Size Taker		client	
S/N	Product detail	qty	Description	Total Sqft.	Price/Sqft.	Amount(PKR)
1	upvc full panel door with frame and hardware	1	White	18.00	1500.00	27,000
	installation & carriage charges not include in it and apply according to city/site.					0
TOTAL						27,000

NOTE:

1 -BURAQ/SKYPEN to be used and we give you gurantee for 15 years in case of color fading and cracking.

2-BURAQ/SKYPEN profile will be used for this project, Quotation is subject to final measurements.

NOTE:

*Once window designs are confirmed and fabrication has started changes will not be made to the window designs.

Terms & Conditions:

1 Terms of Payment: -
   a. 80 % advance on confirmation of order
   b. 10% before glass fixing
   b. 10% on completion
2 Please make cheque in favour of Master upvc profiles & Ali Raza
3 Quotation validity: These prices are valid for 3 days from the date of issue.
4 All Accessories and Hardware are Standard:
   Handles, Locks, Gear Locks, Brush, Rubber Gaskets, Screws and Self Tapping Screws (Galvanized Rust Free),
   Steel Re-inforcement 1mm (Galvanized Rust Free Local), Screw Hole Covers, Water Hole Covers, Aluminium
5 Imported Spacers, Imported Corners, Imported Double Tape, Imported Chemical and Imported Dow Corning
6 All Accessories and Hardware come with two year warranty.No claim for damages due to rough usage of
7 Defualts in the payment shall terminate the warranty.
8 The Quotation does not include any tax.
9 If Folding or Ladder is required on site client is responsible to provide.
10 Client provide guidance to deliver material on site.
11 Client is responsible for providing electricity on site.
12 When site is closed any breakage in glass not include in warranty.

Best Regards,
Master Windows & Doors Pvt. Ltd

UNIMIX

Quotation (Option# 02)

To,
Executive Engineer,
Buildings Division,
Bahawal Nagar.

Date: 18-08-2022
Due Date: 02-09-2022
Ref No: UNI-110792

Project: D.H.Q Hospital

Sr. No.	Description	UOM	Qty.	Rate	Amount (Rs)
1	**Anti-microbial Floor** **Gerflor Flooring** Ambiance Ultra Anti-Bacterial Anti-Static Homogeneous T Group => best abrasion resistance TVOC after 28 days < 10Âµg/m3 => indoor air quality Exclusive and patented Evercare™ surface treatment => easy maintenance No wax for life and high stain resistance High performance homogeneous flooring Resistant to main chemical products used in healthcare. Installed with Self leveling compound Total Thickness: 2mm Roll Size: 66 x 6.6 = 430sqft	Sqft	1,390	1,200	1,668,000
2	**SPM** SPM Walls Panels Easy to clean Resists to 320 kg at 3 km/h impacts Size: 9.8 feet height x 4.3 feet width Non-porous 100% antibacterial material suitable for high infection risk areas Welded joints possible for perfect water tightness between panels or with vinyl flooring Resists to standard cleaning, disinfection and antiseptic products (Anios and Bioquell test reports) Bs2d0 - Heavy traffic 100% antibacterial Sustainable formulation	Sqft	2335	1850	4,319,750
3	**Non-porous Ceiling System** Aluminum Ceiling Non porus Size: 600mm x 600mm Thickness: 0.7mm	Sqft	1,306	750	979,500
				Amount	6,967,250.00
				G.S.T 17%	1,184,432.50
				Total Amount	8,151,682.50

Terms & Conditions

1- 70% advance payment 20% on delivery and balance upon completion of work.
2- Above prices are inclusive of G.S.T.
3- All civil work required will be under client's responsibility.
4- Final payment will be made as per actual material delivered at site after job completion.

Name: Affan Kaleem
Phone No: 0321-7177794
Email: affan@unimix.com.pk

terace	2	13.25	6	159	Sft			
"	2	11.91	6	143	Sft			
wash	4	5.91	7	165	Sft			
"	4	5.5	7	154	Sft			
head	2	19.91	0.5	20	Sft			
"	2	11.25	0.5	11	Sft			
children	2	19.91	6	239	Sft			
"	2	42.66	6	512	Sft			
store	2	10	6	120	Sft			
"	2	16	6	192	Sft			
"	2	9.625	6	116	Sft			
"	2	7.625	6	92	Sft			
electric	4	9.625	0.5	19	Sft		5852	
			Total	**24589**		340.5	p.sft	8372495

19 P/L Anti-microbial floor gerflor flooring ambiance ultra anti-bactarial anti-satic homogeneous total thickness 2mm complete in all respect . Opration thether

2	20	21.25	850	Sft			1224000
		Total	~~1440~~ 850		~~1440~~ 1250	p.sft	~~2073600~~ 1062500

20 P/F Non Porous ceiling system aluminium ceiling size 600x600mm thickness 0 .7mm complete.

2	20	21.25	850	Sft	500		425000
		Total	**850**		~~900~~	p.sft	~~765000~~

21 P/F SPM Wall panelling 100% antibactterial sustainable formulation complete in all respect.

4	20	~~@12~~	~~720~~ 960	Sft			
4	21.25	~~@12~~	~~765~~ 1020		~~2000~~		2970000
		Total	1980 ~~1485~~		~~2170~~ 1890	p.sft	~~3222450~~ ~~2673000~~ 3564000/-

22 Distempring 2 coat old surface After scraping.

OPD

gallary	1	76.41	7.25	554	Sft
"	1	76.41	6	458	Sft
clerk	1	20.41	15.75	321	Sft
medical	3	16.25	15.75	768	Sft
toillet	1	11.83	15.75	186	Sft
wastag	2	11.83	15.75	373	Sft
waiting	1	32.13	24.25	779	Sft
gallary	1	71	7.33	520	Sft
dental	2	11.75	15.83	372	Sft
dental	2	16.25	15.83	514	Sft
dentist	1	7.5	10	75	Sft
wash	1	7.5	5.33	40	Sft

x-ray lab dignostic

dispens	2	24.25	16	776	Sft
homiop	1	15.91	12	191	Sft
side	1	7.58	11.91	90	Sft
store	1	11.66	5.83	68	Sft
dark	1	11.83	11.83	140	Sft
gallary	1	11.66	5.66	66	Sft
libartary	1	19.83	16.58	329	Sft
side	1	11.75	7.75	91	Sft

wash	1	7.25	7.75	56	Sft		
ddoh	1	19.83	20	397	Sft		
gallary	1	132.4	7.25	960	Sft		
"	1	89	7.33	652	Sft		
OT &							
gallary	1	66	7.83	517	Sft		
"	1	39.75	7.33	291	Sft		
"	3	44.58	7.33	980	Sft		
medicin	6	16	10.16	975	Sft		
"	1	16	15.83	253	Sft		
"	1	16	21.25	340	Sft		
gynacol	1	16	11	176	Sft		
eye	1	7.91	15.66	124	Sft		
bath	2	6.625	6.83	90	Sft		
bath	2	5.5	5.5	61	Sft		
toillet	1	19.91	16	319	Sft		
gyni	2	19.91	24.83	989	Sft		
nursury	1	19.91	16.25	324	Sft		
cango	1	19.83	8.125	161	Sft		
store/lis	2	9.5	7.66	146	Sft		
influza	1	13.25	11.5	152	Sft		
side	1	11.83	9.91	117	Sft		
INDOOR MALE FEMALE							
nursing	1	12	8.75	105	Sft		
side	1	13.25	9.91	131	Sft		
wash	2	5.5	5.5	61	Sft		
medical	1	19.91	7.66	153	Sft		
male	1	19.91	50	996	Sft		
toillet	1	14.25	15.91	227	Sft		
gallary	1	86.5	7	606	Sft		
terace	1	13.25	11.91	158	Sft		
wash	2	5.91	5.5	65	Sft		
head	1	19.91	11.25	224	Sft		
children	1	19.91	42.66	849	Sft		
store	1	10	16	160	Sft		
"	1	9.625	7.625	73	Sft		
electric	1	9.625	9.625	93	Sft		
			Total	**18692**		1467.05 %sft	274217

23 Preparing surface and painting with emulsion paint two coat after scraping old surface.

OPD							
gallary	2	76.41	5	764	Sft		
"	2	76.41	5	764	Sft		
clerk	2	20.41	10.5	429	Sft		
"	2	15.75	10.5	331	Sft		
medical	6	16.25	5	488	Sft		
"	6	17.75	5	533	Sft		
toillet	2	11.83	4	95	Sft		
"	2	15.75	4	126	Sft		
wastag	4	11.83	5	237	Sft		

"	4	15.75	5	315	Sft	
waiting	2	32.13	5	321	Sft	
"	2	24.25	5	243	Sft	
gallary	2	71	5	710	Sft	
dental	4	11.75	10.5	494	Sft	
"	4	15.83	10.5	665	Sft	
dental	4	16.25	10.5	683	Sft	
"	4	15.83	10.5	665	Sft	
dentist	2	7.5	10.5	158	Sft	
"	2	10	10.5	210	Sft	
wash	2	7.5	4	60	Sft	
"	2	5.33	4	43	Sft	8329
x-ray lab dignostic						
dispens	4	24.25	5	485	Sft	
"	4	16	5	320	Sft	
homiop	2	15.91	10.5	334	Sft	
"	2	12	10.5	252	Sft	
side	2	7.58	10.5	159	Sft	
"	2	11.91	10.5	250	Sft	
store	2	11.66	10.5	245	Sft	
"	2	5.83	10.5	122	Sft	
dark	2	11.83	10.5	248	Sft	
"	2	11.83	10.5	248	Sft	
gallary	2	11.66	5	117	Sft	
"	2	5.66	5	57	Sft	
libartary	2	19.83	5	198	Sft	
"	2	16.58	5	166	Sft	
side	2	11.75	10.5	247	Sft	
"	2	7.75	10.5	163	Sft	
wash	2	7.25	4	58	Sft	
"	2	7.75	4	62	Sft	
ddoh	2	19.83	10.5	416	Sft	
"	2	20	10.5	420	Sft	
gallary	2	132.4	5	1324	Sft	
"	2	89	5	890	Sft	6782
OT &						
gallary	2	66	5	660	Sft	
"	2	39.75	5	398	Sft	
"	6	44.58	5	1337	Sft	
medicin	12	16	5	960	Sft	
"	12	10.16	5	610	Sft	
"	2	16	5	160	Sft	
"	2	15.83	5	158	Sft	
"	2	16	5	160	Sft	
"	2	6	5	60	Sft	
gynacol	2	16	10.5	336	Sft	
"	2	11	10.5	231	Sft	
eye	2	7.91	10.5	166	Sft	
"	2	15.66	10.5	329	Sft	
toillet	2	19.91	4	159	Sft	
"	2	16	4	128	Sft	

gyni	4	19.91		5	398	Sft	
"	4	24.83		5	497	Sft	
nursury	2	19.91		5	199	Sft	
"	2	16.25		5	163	Sft	
cango	2	19.83		10.5	416	Sft	
"	2	8.125		10.5	171	Sft	
store/lis	4	9.5		10.5	399	Sft	
"	4	7.66		10.5	322	Sft	
influza	2	13.25		10.5	278	Sft	
"	2	11.5		10.5	242	Sft	
side	2	11.83		10.5	248	Sft	
"	2	9.91		10.5	208	Sft	9393
INDOOR MALE FEMALE WARD							
nursing	2	12		5	120	Sft	
"	2	8.75		5	88	Sft	
side	2	13.25		10.5	278	Sft	
"	2	9.91		10.5	208	Sft	
medical	2	19.91		5	199	Sft	
"	2	7.66		5	77	Sft	
male	2	19.91		5	199	Sft	
"	2	50		5	500	Sft	
toillet	2	14.25		4	114	Sft	D/d open.
"	2	15.91		4	127	Sft	
gallary	2	86.5		5	865	Sft	Doors = 1197 sft
terace	2	13.25		5	133	Sft	Windows = 1866 sft
"	2	11.91		5	119	Sft	3063
wash	4	5.91		4	95	Sft	
"	4	5.5		4	88	Sft	
head	2	19.91		10.5	418	Sft	
"	2	11.25		10.5	236	Sft	
children	2	19.91		5	199	Sft	
"	2	42.66		5	427	Sft	
store	2	10		5	100	Sft	
"	2	16		5	160	Sft	
"	2	9.625		5	96	Sft	
"	2	7.625		5	76	Sft	
electric	4	9.625		10.5	404	Sft = 26766	5326 ·748525/
				Total	29829-3063	2796.55 % sft	834193

24 Dismantling brick or flagged flooring without concrete foundation.

admin	1	52.88	78.75	4164	Sft	
waiting	1	33.5	34	1139	"	
x-ray	1	35.63	64.25	2289	"	
ddoh	1	30.5	81	2471	"	
OT	1	59.5	23.875	1421	"	
Corridor	2	62.75	7.33	920	"	
medicin	1	45.13	67.375	3040	"	
indoor	1	170.1	59.875	10186	"	
dentist	1	65.13	26.25	1710	"	
			Total	**27339**	863.50 % sft	236071

25	**Borrowpit excavation undressed lead upto 100 ft (30 metre).in**								
	admin	1	52.88	78.75	0.375	1561	Sft		
	waiting	1	33.5	34	0.375	427	"		
	x-ray	1	35.63	64.25	0.375	858	"		
	ddoh	1	30.5	81	0.375	926	"		
	OT	1	59.5	23.875	0.375	533	"		
	Corridor	2	62.75	7.33	0.375	345	"		
	medicin	1	45.13	67.375	0.375	1140	"		
	indoor	1	170.1	59.875	0.375	3820	"		
	dentist	1	65.13	26.25	0.375	641	"		
					Total	**10252**	7,111.10	%o cft	729035
26	**Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene**								
	admin	1	52.88	78.75		4164	Sft		
	waiting	1	33.5	34		1139	"		
	x-ray	1	35.63	64.25		2289	"		
	ddoh	1	30.5	81		2471	"		
	OT	1	59.5	23.875		1421	"		
	Corridor	2	62.75	7.33		920	"		
	medicin	1	45.13	67.375		3040	"		
	indoor	1	170.1	59.875		10186	"		
	dentist	1	65.13	26.25		1710	"		
					Total	**27339**	11,627.55	%.sft	3178839
27	**Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: one coat on old surface.**								
		2	269.1		14	7536	sft		
		2	230		14	6440	"		
		4	62.75		14	3514	"		
		4	58.16		14	3257	"		
					Total	**20746**	1,925.45	% sft	399463
28	**P/L (Non-Skid Chequred Tiles) 300mmx300mm on ramp**								
		1	12		5	60	sft		
					Total	**60**	211.55	p.sft	12693
29	**Providing and fixing G.I. pipe railing, as per standard drawing.**								
			2		12	24	Rft		
					Total	**24**	1,826.00	P.Rft	43824
30	**Providing and laying 3/4" thick full width Prepolished Marble slab for Vanities/Shelves/Treads/Window Cills, having Uniform texture (Spotless) with adhesive bond over 3/4" thick (1:2) cement sand mortor i/c the cost of matching sealer complete in all respects as approved and directed by the Engineer Incharge. (i)China Verona**								
		2	10	2		40	Sft		
		1	8	2		16	"		
					Total	**56**	412.30	p.sft	23089
31	**Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. i/c Gi wire**								

13	7 1/4	6 1/2	613	Sft		
35	7.25	4.25	1078	Sft		
8	3.75	4.25	128	Sft		
		Total	**1819**	1159.15 p.sft		2107987

Recovery of old materials

1 Credit of old door with chowkat. (D. wood)
1197 sft ~~69~~ x ~~1500~~ 350 P.sft = 418950 ~~103500~~

2 Credit of old windows (D. wood)
1866 ~~114~~ x ~~1200~~ 300 = 559800 ~~136800~~

3 Credit of old sky lights (D. wood)
390 ~~65~~ x ~~800~~ 100 = 39000 ~~52000~~

4 Credit of old Sanitary Items L.S
= 20000

5 Credit of old Electric Items L.S
= 70000

6 Credit of old Roof Tile
Tile Bats 27339 x 0.125 x 40% 1367 ~~3417~~ Cft 41010
@ ~~1000~~ 3000 %Cft ~~34173.57~~ —1435820
Tiles 27339 x 3.5 x 60% = 57412 No ~~Total~~ ~~416474~~ 287060 ~~416474~~
@ 5000 % No

Total Rs. ~~36818603/-~~
Total = 1435820
Total = 34919048
31995997

Sub Engineer	Sub Divisional Officer Buildings Sub Division, Minchinabad	Executive Engineer Buildings Division Bahawalnagar

Providing and fixing 22-SWG /12X12 G.I wire mesh and expanded metal (diamond hole shape) 5mm thick duly fixed with M.S patti 1"x1/8" on M.S angle iron frame 1½"X1½"X3/16" and braces @ 2 ft C/c horizontally & vertically i/c the cost of matt paint as approved & directed by the Engineer Incharge

Ver/corridor open sp.
32 x 5 x 6 = 960 sft @ 800/- = 768000/-

EMERGENCY WARD

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1 Distemper one Coat on old surface.

Toiltet	2	x	9 1/3	x	17 1/2			328	Sft
Male ward	2	x	24 2/3	x	17 1/2			863	"
Icu	1	x	12	x	17 1/2			208	"
Nursing room	2	x	12	x	8 2/5			200	"
gallary	2	x	48 4/7	x	9 1/6			890	"
"	1	x	19	x	11 1/8			211	"
"	1	x	19	x	31 1/4			594	"
"	1	x	18 1/2	x	12			222	"
Treatment room	1	x	10 3/8	x	17 1/2			182	"
Side room	4	x	5 2/3	x	8 3/4			198	"
rescue & blood bank	3	x	12	x	17 1/2			630	"
X-ray	1	x	16 4/7	x	17 1/2			290	"
	1	x	5	x	6			30	"
Dark room	2	x	5 1/2	x	8 3/8			92	"
Toillet	1	x	12	x	17 1/2			209	"
							Total	5148	Sft
						@		561.30	%Sft

Rs. 28894/-

2 Preparing surface and painting with emulsion paint two coat after scraping old surface.

2	x	2	(	9 1/3	+	17 1/2	)	5	537	"
2	x	2	(	24 2/3	+	17 1/2	)	5	843	"
1	x	2	(	12	+	17 1/2	)	5	294	"
2	x	2	(	12	+	8 2/5	)	5	406	"
2	x	2	(	48 4/7	+	9 1/6	)	5	1155	"
1	x	2	(	19	+	11 1/8	)	5	301	"
1	x	2	(	19	+	31 1/4	)	5	503	"
1	x	2	(	18 1/2	+	12	)	5	305	"
1	x	2	(	10 3/8	+	17 1/2	)	5	279	"
4	x	2	(	5 2/3	+	8 3/4	)	5	576	"
3	x	2	(	12	+	17 1/2	)	5	885	"
1	x	2	(	16 4/7	+	17 1/2	)	5	341	"
1	x	2	(	5	+	6	)	5	110	"
2	x	2	(	5 1/2	+	8 3/8	)	5	278	"
1	x	2	(	12	+	17 1/2	)	5	295	"
								Total	7107	Sft
		1,151.55	+	883.1	+	761.9	@Rs.		2796.55	P.Sft

Rs. 198762/-

3 Rubbing and polishing old grit/ mosaic floor, including repairing voids, uneven surface, complete in all respects.

Gallary	2	x	48 4/7	x	9 1/6	x	1	890	Sft
Gallary	1	x	19 1/6	x	31 1/4		1	599	"
Gallary	1	x	18 2/5	x	12		1	221	"
Gallary	1	x	19	x	11 1/8		1	211	"
							Total	1921	Sft
							Rs.	2811.55	%.Sft

Rs. 54011/-

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

podium	1	x	18 2/5	x	12			221	"
Riser	4	x	18 2/5	x	1/2		1	37	"
Steps Trad	4	x	18 2/5	x	1		1	74	"
							Total	331	Sft
							Rs.	1308.95	P.Sft

Rs. 433760/-

5 Dismantling glazed or encaustic tiles, etc.

Toilets Floors	1	x	6 4/7	x	17 1/2				115	Sft
"	1	x	7 1/3	x	5 1/2				40	"
"	3	x	5	x	3 2/3				55	"
"	2	x	4 4/7	x	17 2/5				159	"
"	8	x	4 2/5	x	4				141	"
Toilets Floors	1	x	2	(	6 4/7	+	17 1/2	)	6	289	"
"	1	x	2	(	7 1/3	+	5 1/2	)	6	154	"
"	3	x	2	(	5	+	3 2/3	)	6	312	"
"	1	x	2	(	4 4/7	+	17 2/5	)	6	264	"

"	4	x	2	(	4 2/5	+	4	)	6	404	"
corridor	1	x	2	(	48 4/7	+	9 1/6	)	6	693	"
"	1	x	2	(	19 1/6	+	31 1/4	)	6	605	"
"	1	x	2	(	18 2/5	+	12	)	6	365	"
"	1	x	2	(	19	+	11 1/8	)	6	362	"
Male ward	2	x	2	(	24 2/3	+	17 1/2	)	6	1012	"
Treatment room	1	x	2	(	10 3/8	+	17 1/2	)	6	335	"
									Total	4794 ~~5304~~	Sft
									Rs.	2335.85	%Sft

111981/-

~~Rs. 123880/-~~

6 Dismantling cement concrete plain 1:2:4

Toilets Floor	511	x	1/8	64	Cft
			Total	64	Cft
			Rs.	9142.85	%Cft

Rs. 5840/-

7 Dismantling cement concrete with brick aggregate.

Toilets Floor	511	x	3/8	192	"
			Total	~~192~~	Cft
			Rs.	3047.60	%Cft

~~Rs. 5840/-~~

8 *P/L watering and ramming brick ballast 1-1/2" to 2" gaguge mixed with 25% sand for floor foundation complete in all respects.*

as per item No	192		
Total	192	Cft	
@	9284.40	%Cft	Rs. 17791/-

9 Providing and laying cement concrete plain.1:2:4

as per item No 3	64		
Total	64	Cft	
@	31126.10	%Cft	Rs. 19882/-

10 Removing cement or lime plaster.

as per item No 1	4793		
Total	4793	Sft	
@	423.30	%Sft	Rs. 20289/-

11 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick

as per item No 1	4793		
Total	4793	Sft	
@	3241.60	%Sft	Rs. 155370/-

12 Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/bond over 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. 600mmx 600 mm

Total	5304	Sft	
@Rs.	340.50	P.Sft	Rs. 1805930/-

13 Removing door with chowkat.

14	x	1	x	1	14	No.	
				Total	14	Nos.	
				Rs.	438.00	Each	Rs. 6132/-

14 Providing and fixing 2"wide MS/GI Chowkats ingel/double rebate made of 16 SWG MS sheet pressed /Welded/supported with M.S .flat 1-1/4"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold fasts (6 Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fasting cement concrete (1:2:4), complete in all respect as approved and directed by Engineer Incharge

(i)	(5.5 " wide)	14	x	2 1/2	x	1	x	7	245	Sft
								Total	245	Sft
								@Rs.	429.75	P.Sft

~~Rs. 105289/-~~

15 P/F UPVC Door 38mm thickness i/c deluex matching colour upvc frame matt or glossy finish having color (white -grey-marble gray-oak wood-dard oak wood ,coffee wood honey pine wood mahagony-marry gold -chocolate brown -honey dew) i/c all acessories execpt locks complete in all respect.

14	x	2 1/2	x	1	x	7	245	Sft	
						Total	245	Sft	367500
						@Rs.	~~700.00~~ 1500	P.Sft	Rs. ~~171500/-~~

16 Dismantling brick or flagged flooring without concrete foundation.

Roof	1	x	122 1/4	x	52	x	1	6357	Sft
	1	x	20 1/8	x	15 1/4	x	1	307	Sft
							Total	6664	Sft

@Rs. 863.50 %Sft Rs. 57543/-

17 Borrowpit excavation undressed lead upto 100 ft (30 metre).in Ordinary soil

Roof	1	x	122 1/4	x	52	x	3/8	2384	Cft
	1	x	20 1/8	x	15 1/4	x	3/8	115	Sft
							Total	2499	Cft
							@Rs.	7111.10	%oCf

Rs. 17770/-

18 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

Roof	1	x	122 1/4	x	52	6357	Sft
	1	x	20 1/8	x	15 1/4	307	Sft
					Total	6664	Sft
			10,842.55 + 785		@Rs.	11627.55	%Sft

Rs. 774849/-

19 *Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: one coat on old surface.*

2	x	118 5/8	x	16	3796	Sft
2	x	48 3/4	x	16	1560	Sft
				Total	5356	*Sft*
				@	*1925.45*	*%Sft*

Rs. 103127/-

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

1	x	10	x	2	20	Sft
2	x	12	x	2	48	Sft
				Total	68	Sft
				@Rs.	412.30	P.Sft

Rs. 28036/-

21 P/L (Non-Skid Chequred Tiles) 300mmx300mm

1	x	12	x	5	60	Sft
				Total	60	Sft
				@Rs.	211.55	P.Sft

Rs. 12693/-

22 Providing and fixing G.I. pipe railing, as per standard drawing.

1	x	12	12	Rft
		Total	12	Rft
		@Rs.	1826.00	P.Rft

Rs. 21912/-

Credit of old material

(D.wood) Credit of old door with chowkhat ~~14~~ 245 x ~~1500~~ 350 P.Sft = ~~21000~~ 85750

2 Credit of old Roof Tile 6664 x3.5 x 60% = ~~833~~ 13994 No ~~Cft~~ @ ~~4000~~ 5000 ~~8330~~ 69970

Tile Bats 6664 x0.125 x 40% = 333 Cft @ 3000 9990

3 Credit of old Sanitary Items (L.S) = 8000

4 Credit of old Electric Items (L.S) = 6000

Total ~~43330~~ 179710

-179710
~~43330~~

Total = 4185398

TOTAL Rs. ~~4125778/-~~

SAY Rs. ~~4126000/-~~

Say ~~4185000~~

4070362

Sub Divisional Officer
Buildings Sub Division,
Minchinabad

SBE

Executive Engineer
Buildings Division
Bahawalnagar

DIALYSIS WARD

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1 Dismantling glazed or encaustic tiles, etc.

Toilets Floor			3	x	5 1/6	x	5 1/2		1	85 "	
	3	x	2	(	5 1/6	+	5 1/2	)	7	448 Sft	
									Total	533 Sft	
									Rs.	2335.85 %Sft	*Rs. 12447/-*

2 Dismantling cement concrete plain 1:2:4

Toilets Floor	3	x	5 1/6	x	5 1/2	x	1/8	11 "	
							Total	11 Cft	
							Rs.	9142.85 %Cft	*Rs. 973/-*

3 Dismantling cement concrete with brick aggregate.

Toilets Floor	3	x	5 1/6	x	5 1/2	x	3/8	32 "	
							Total	*32 Cft*	
							Rs.	3047.60 %Cft	*Rs. 973/-*

4 P/L watering and ramming brick ballast 1-1/2" to 2" gaguge mixed with 25% sand for floor foundation complete in all respects.

as per item No 2

		32	
	Total	*32*	*Cft*
	@	*9284.40*	*%Cft*

Rs. 2964/-

5 Providing and laying cement concrete plain.1:2:4

as per item No 3

		11	
	Total	*11*	*Cft*
	@	*31126.10*	*%Cft*

Rs. 3313/-

6 Removing cement or lime plaster.

as per item No 1

		448	
	Total	*448*	*Sft*
	@	*423.30*	*%Sft*

Rs. 1895/-

7 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick

as per item No 1

		448	
	Total	*448*	*Sft*
	@	*3241.60*	*%Sft*

Rs. 14513/-

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

Toilets Floor

			3	x	5 1/6	x	5 1/2			85 Sft	
	3	x	2	(	5 1/6	+	5 1/2	)	7	448 Sft	
									Total	533 Sft	
									@Rs.	340.50 P.Sft	*Rs. 181439/-*

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

Podium									
Steps Trad	1	x	27 3/4	x	10		1	278 "	
Riser	3	x	16 7/8	x	1		1	51 "	
	3	x	16 7/8	x	1/2		1	25 "	
							Total	353 Sft	
							Rs.	1308.95 P.Sft	*Rs. 462632/-*

10 Removing door with chowkat.

	7	x	1	x	1		7 No.	
						Total	7 Nos.	
						Rs.	438.00 Each	*Rs. 3066/-*

11 Providing and fixing 2"wide MS/GI Chowkats ingel/double rebate made of 16 SWG MS sheet pressed / Welded/supported with M.S .flat 1-1/4"x1/8" i/c 6" long M.S. Flat 1"x1/8" hold fasts (6 Nos) welded /screwed, punching of lock hole covered with MS Box, coating with anti rust paint including filling with cement sand mortar (1:8) and embedding hold fasting cement concrete (1:2:4), complete in all respect as approved and directed by

(i)	*(10.50 " wide)*	2	x	4	x	8 1/2	68 Sft	
		2	x	3 1/2	x	8 1/2	60 Sft	
		~~3~~	~~x~~	~~2 1/2~~	~~x~~	~~7~~	~~63 Sft~~	
						Total	127 ~~180~~ Sft	78950/-
						@Rs.	621.65 P.Sft	*Rs. ~~111897/-~~*

Ash/oka wood with groves

12 P/F 1-1/2" thick solid flush door comprising of ~~2.5 mm thick Commercial ply compressed~~ over 2.5 mm thick commercial ply over 1" thick packing wood in style and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Painting charges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge.

		2	x	4	x 1	x	8 1/2	68 Sft
		2	x	3 1/2	x 2	x	8 1/2	119 Sft
							Total	187 Sft
							@Rs. 678.55 ~~502.20~~ P.Sft	126889 *Rs. ~~93811/-~~*

13 P/F UPVC Door 38mm thickness i/c deluex matching colour upvc frame matt or glossy finish having color (white -grey-marble gray-oak wood-dard oak wood ,coffee wood honey pine wood mahagony-marry gold -chocolate brown -honey dew) i/c all acessories execpt locks complete in all respect.

		3	x	2 1/2	x 1	x	7	53 Sft
							Total	53 Sft
							@Rs.	~~700.00~~ 1500 P.Sft

79500 *Rs. ~~36750/-~~*

14 Dismantling brick or flagged flooring without concrete foundation.

	Roof	1	x	49 7/8	x 42 3/4			2132 Sft
							Total	2132 Sft
							@Rs.	863.50 %Sft

Rs. 18411/-

15 Borrowpit excavation undressed lead upto 100 ft (30 metre).in Ordinary soil

	Roof	1	x	49 7/8	x 42 3/4	x	3/8	800 Cft
							Total	800 Cft
							@Rs.	7111.10 %oCf

Rs. 5686/-

16 Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded i/c polythene sheet 500 gauge.

	Roof	1	x	49 7/8	x 42 3/4			2132 Sft
							Total	2132 Sft
				10,842.55 + 785			@Rs.	11627.55 %Sft

Rs. 247918/-

17 *Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: Two coat on new surface.*

		1	x	2	(47 5/8 + 40 1/2)		16	2820 Sft
							Total	2820 Sft
							@	*1925.45 %Sft*

Rs. 54298/-

18 P/L (Non-Skid Chequred Tiles) 300mmx300mm

		1	x	5	x 8			40 Sft
							Total	40 Sft
							@Rs.	211.55 p.Sft

Rs. 8462/-

19 Providing and fixing 2'-9" high stair railing comprising of non magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Squar pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rawal plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through goties fixed on vertical post, i/c stainles steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

	2	x	8		16 Rft	
				Total	16 Rft	
				Rs.	2361.45 P.Rft	*Rs. 37783/-*

20 Distempering:-old surface one coat

2	x	18	x	14		504	Sft
1	x	18	x	10		180	Sft
1	x	16	x	10 5/6		173	Sft
1	x	18	x	11 3/4		212	Sft
1	x	18	x	12 3/4		230	Sft
3	x	5 1/6	x	5 1/2		85	Sft
1	x	7 5/6	x	5 1/2		43	Sft
				Total		1426	Sft
				@Rs.		561.30	%Sft

Rs. 8007/-

21 Preparing surface and painting with emulsion paint:- two coat after scraping

2	x	2	(18	+	14	)	6	768	Sft
1	x	2	(18	+	10	)	6	336	Sft
1	x	2	(16	+	10 5/6	)	6	322	Sft
1	x	2	(18	+	11 3/4	)	6	357	Sft
1	x	2	(18	+	12 3/4	)	6	369	Sft
3	x	2	(5 1/6	+	5 1/2	)	5	320	Sft
1	x	2	(7 5/6	+	5 1/2	)	6	160	Sft
							Total	2632	Sft
							@Rs.	2796.55	% Sft

Rs. 73597/-

Credit of old material

1 Credit of old door with chowkhat (D-wood)
187+53 = 240 ~~Sft~~ x ~~1500~~ 350 P.Sft = ~~21000~~ 84000

2 Credit of old Roof Tile 2132 X8.5 X60% = 4478 @ 5000 /. = 22388

Tile Bats 2132 x 1/8 X40% ~~267~~ 107 @ ~~4000~~ ~~2665~~ 3210
3000

3 Credit of old Sanitary Items (L.S) = 5000

4 Credit of old Electric Items (L.S) = 4000

Total ~~32665~~ 118598 -118598
~~32665~~
Total 1338065

TOTAL	Rs.~~1348270/-~~
SAY	Rs.~~1348000/-~~

Say 1338000

Sub Engineer

Sub Divisional Officer
Building Sub Division
Minchinabad

Executive Engineer
Buildings Division
Bahawalnagar

Abstract of Cost

PC-I / COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL MINCHINABAD

2nd Bi-Annual 2022

S.NO	NAME OF ITEM	QTY	UNIT	RATE	AMOUNT
1	Earth wok in ordinary soil for embankment, 3.00 mile including ploughing and mixing with blade or disc harrow or other suitable equipment & compaction by mechanical means at optimum moisture content upto 95 - 100% Maximum modified AASHO dry density; and dressing to design section; complete in all respects. (Ch:3/item.5)	9095	%oCft	17053.10	155103
2	Providing and laying sub base course of crushed stone aggregate of approved quality and grade; i/c placing, mixing, spreading and compaction of sub base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.3)	14321	%Cft	23456.40	3359144
3	Providing and laying road edging of 3" (three inches) wide and 9" (Nine inches) deep brick on end; complete in all respects. (Ch:18/item.5)	2148	P.Rft	51.05	109662
4	Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade; supplying and spreading of stone screening i/c placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density; i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.4)	14321	%Cft	26677.44	3820423
5	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre. (Ch:18/item.6)	21481	%Sft	2299.95	494057
6	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. 4.50% Bitumen 2" thick (AWC). (Ch:18/item.10-iii)	21481	%Sft	17149.27	3683868
7	Providing and laying Tuff pavers (Ch:10/Item 41-b)	8424	P.Sft	156.15	1315408
8	Providing and laying 1.50 mm thick road lane marking with thermoplastic paint i/c the cost of porter / ballotini / glass beads for retro-reflective visibility in the ratio of 250 grms / Sq.meter etc complete in all respect. i) 5" wide (Ch:13/item 40)	3159	P.Rft	48.20	152264
9	Providing & fixing Cat Eyes.(Ch:18/Item 28-a-1-i)	284	P.No	387.80	110228
				Total:	**13200156**
				Say Rs:	**13.200**

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Division
Bahawalnagar

DETAIL OF QUANTITY

PC-I / COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL MINCHINABAD

1	Earth wok in ordinary soil for embankment, 8.00 mile including ploughing and mixing with blade or disc harrow or other suitable equipment & compaction by mechanical means at optimum moisture content upto 95 - 100% Maximum modified AASHO dry density; and dressing to design section; complete in all respects. (Ch:3/item.5)									
							Avg.			
	Gate to OPD		700	x	(32+36)/2	x	1.25	=	29750	Cft
	Main Gate to 2nd Gate		263	x	(32+36)/2	x	1.25	=	11178	Cft
	Link road		90	x	(32+36)/2	x	1.25	=	3825	Cft
							Total:	=	**44753**	**Cft**
	Sub Base							=	14321	Cft
	Road edging		2148	x	0.25	x	0.75	=	403	Cft
	Base Course							=	14321	Cft
	Carpet				21481	x	2/12	=	3580	Cft
	Tuff Paver				8424	x	0.36	=	3033	Cft
							D/d Total:	=	**35657**	**Cft**
			Net	=	44753	-	35657	=	**9095**	**Cft**
2	Providing and laying sub base course of crushed stone aggregate of approved quality and grade; i/c placing, mixing, spreading and compaction of sub base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.3)									
	Gate to OPD		700	x	20	x	8/12	=	9333	Cft
	Main Gate to 2nd Gate		263	x	20	x	8/12	=	3507	Cft
	Link road		90	x	20	x	8/12	=	1200	Cft
	Under Tuff Paver in Built up Area									
	(700+263+90)	2 x	1053	x	4	x	6/12	=	4212	Cft
							Total:	=	**14040**	**Cft**
	Add for Chowks, Curves & Ramps							=	281	Cft
							G.Total:	=	**14321**	**Cft**
3	Providing and laying road edging of 3" (three inches) wide and 9" (Nine inches) deep brick on end; complete in all respects. (Ch:18/item.5)									
	Gate to OPD	2 x	700					=	1400	Rft
	Overlay portions	2 x	263					=	526	Rft
	Link road	2 x	90					=	180	Rft
							Total:	=	**2106**	**Rft**
	Add for Ramps							=	42	Rft
							G.Total:	=	**2148**	**Rft**
4	Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade; supplying and spreading of stone screening i/c placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density; i/c carriage of all materials to site of work; complete in all respects. (Ch:18/item.4)									
	Gate to OPD		700	x	20	x	8/12	=	9333	Cft
	on existing road (overlay)		263	x	20	x	8/12	=	3507	Cft
	Link road		90	x	20	x	8/12	=	1200	Cft
							Total:	=	**14040**	**Cft**
	Add for Chowks, Curves & Ramps							=	281	Cft
							G.Total:	=	**14321**	**Cft**

LEAD CHART

SIKHANWALI

Sikhanwali to Faisalabad	=	69 Km
Faisalabad to Sahiwal via Sumandary & Shahana Bridge	=	95 Km
Sahiwal to Minchinabad via Pakpattan	=	80 Km
Total:		**244 Km**

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Division
Bahawalnagar

ANALYSIS OF RATES

PC-I / COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL MINCHINABAD

2nd Bi-Annual 2022

	ANALYSIS OF RATE FOR SUB BASE OF CRUSHED STONE AGGREGATE.	
	QUARRY : SIKHANWALI	
100 Cft.	1. Providing and laying sub base course of crushed stone aggregate of approved quality and grade i/c placing, mixing, spreading, and compaction of sub base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work (Ch:18/item.3)	8925.00
120 Cft.	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. (Ch:-1/ item 1)	14553 ~~14531.40~~
	Up to 10 km 10 = 1089.00 km 11 to 200 190 x 57.25 = 10877.50 km 201 to 250 44 x 3.25 = 143.00 159 **Total: 244** = ~~**12109.50**~~ x 1.20	
	12125.5 **Total:**	~~**23456.40**~~ 23475
	ANALYSIS OF RATE FOR BASE OF CRUSHED STONE AGGREGATE.	
	QUARRY : SIKHANWALI	
100 Cft.	1. Providing and laying water bound macadam base course of crushed stone aggregate of approved quality and grade i/c placing, mixing, spreading, and compaction of base material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density i/c carriage of all material to site of work. (Ch:18/item.4)	11903.85
122 Cft.	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. (Ch:-1/ item 1)	~~14773.59~~ 14793
	12125.50 ~~**12109.50**~~ x 1.22	
	Total:	~~**26677.44**~~ 26696
	ANALYSIS OF RATE FOR PLANT PREMIXED BITUMINOUS CARPET WITH 4.50% BITUMEN (AWC)	
	QUARRY : SIKHANWALI	
100 Sft	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. 4.50% Bitumen. (Ch:18/item.10-iii)	7575.60
8.25 Cft	2. Subsequent carriage of crushed stone aggregate from quarry to site of work. (Ch:-1/ item 1)	
	= **12109.50** x 8.25%	999.03
	Total:	**8574.63**
	For 2" thick 8574.63 x 2	**17149.27**

SDE

Executive Engineer
Buildings Division
Bahawal Nagar.

ANALYSIS OF RATES

PC-I / COST ESTIMATE FOR REVAMPING OF THQ HOSPITAL MINCHINABAD

RATE FOR EARTHWORK LEAD UPTO 3 MILE

Basic rate	(Ch:3/item.5)			=	9527.90
Upto 1/4 mile (400 meter)				=	4248.00
upto 1.00 mile	12	x	47.50	=	570.00
upto 2.00 mile	4	x	338.40	=	1353.60
upto 3.00 mile	4	x	338.40	=	1353.60
			Total:	=	**17053.10**

Sub Engineer

Sub Divisional Officer
Building Sub Division
Bahawalnagar

Executive Engineer
Building Division
Bahawalnagar

THQ Minchinabad
Provision/Installation of Electrical Equipment.

S.#		Qty:	Unit	Rate	Amount
A	**L.T. (LV) SUB-STATION EQUIPMENT:**				
1	**Construction of ELECTRICAL ROOM**	1		As per requirement	
2	P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs.Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers will be paid additionally)				
	ATS For Dual Supply (For Transformers)				
	Incoming from Transformers				
	(b) 2.00 Ft deep				
	(ii) 200KVA	1	each	1,833,923.45	1833923
	Breakers for ATS For Dual Supply (For Transformers)				
	i Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	Incoming Breakers for ATS For Dual Supply (For Transformers)				
	(a) Tripple Pole 400A(36 KA)	1	each	62,434.30	62434
	Outgoing Breakers for ATS For Dual Supply (For Transformers)				
	(a) Tripple Pole 100A(36 KA)	4	each	17,434.30	69737
3	P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock. Indication lights,thimbles, Copper Comb. Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
	MDB-1(For PDBs)				
	Incoming From Transformers				
	(i) LT Switchboards				

S.#			Qty:	Unit	Rate	Amount
	(b)	12" deep				
	(i)	200A (3'x3'x12")	9	each	39,814.30	358329
		Incoming breakers for MDB-1				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) 1*3=3	3	each	39,814.30	119443
		Outgoing breakers for MDB-1				
	(a)	Tripple Pole 100A(36 KA) 1*3=3	3	each	17,434.30	52303
	(b)	Tripple Pole 150A(36 KA) 1*3=3	3	each	18,094.30	54283
4		P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring. Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
		ATS (for 100 KVA Generator and Transformer)				
		Incoming from Generator and ATS for dual supply				
	(b)	2.00 Ft deep				
	(ii)	100KVA	1	each	801,447.70	801448
		Incoming Breakers For ATS (for 100 KVA Generator and Transformer)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1* 1=1)	1	each	39,814.30	39814
		Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (3* 3=9)	9	each	17,434.30	156909

S.#			Qty:	Unit	Rate	Amount
5		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type). Powder coated Paint, i/c the cost of Lock. Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For OPD & Emergency)				
	(a)	6" deep				
	(ii)	100A (30"x22"x6") 3x2.29	6.86 3	each	13,809.80	94770
		Incoming Breakers for PDBs (For OPD & Emergency)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 100A(36 KA) (1*2=2)	2	each	17,434.30	34869
		Outgoing Breakers for PDBs (For OPD & Emergency)				
	2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(10 KA) (1*2=2)	2	each	11,434.30	22869
	(b)	Single Pole 32A(10 KA) (6*2=12)	12	each	1,299.95	15599
	(d)	Single Pole 16A(10 KA) (7*2=14)	14	each	1,299.95	18199
6		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter.Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For wards)				
	(a)	12" deep				
	(ii)	150A (3'x3'x12") 2x9= 18		each	5,146.40	92635
		Incoming Breakers for PDBs (For wards)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 150A(36 KA) (1*2=2)	2	each	18,094.30	36189
		Outgoing Breakers for PDBs (For wards)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				

S.#			Qty:	Unit	Rate	Amount
	(a)	Tripple Pole 63A(36 KA) (3*2=6)	6	each	17,434.30	104606
	(b)	Single Pole 32A(10 KA) (6*2=12)	12	each	1,299.95	15599
	(c)	Single Pole 16A(10 KA) (6*2=12)	12	each	1,299.95	15599
7		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		LDBs (For Wards)				
	(a)	6" deep	4-50			
	(ii)	63A (18"x24"x6") 3x150	3	Each	18,691.40	84111
		Incoming Breakers for LDBs (For Wards)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (1*3=3)	4	each	17,434.30	69737
		Outgoing Breakers for LDBs (For Wards)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 20A(10 KA) (4*3=12)	12		1,299.95	15599
	(b)	Single Pole 16A(10 KA) (4*3=12)	12		1,299.95	15599
	(c)	Single Pole 10A(10 KA) (6*3=18)	18		1,299.95	23399
B	**LT POWER CABLE.**					
	1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer)**	100	rft	3,676.95	367695
	2	70 mm sq (19/0.083") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer and MDB-1)**	250	rft	2,605.05	651263
	3	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For PDBs)**	250	rft	1,859.25	464813
	4	7/1.12 mm (7/0.052") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(For LDBs and ACs)**	250	rft	200	50000

S.#			Qty:	Unit	Rate	Amount
	5	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	87	8700
	6	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	43.65	4365
					TOTAL	5754839

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division
Minchinabad

Executive Engineer
Buildings Division
Bahawalnagar

ROUGH COST ESTIMATE FOR REVAMPING (SEWERAGE SYSTEM) OF THQ HOSPITAL AT MINCHINABAD

MRS, 2nd BI-ANNUAL-2022 (01.07.2022 to 31.12.2022)

1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-0 ft. to 7.0 ft. (0 to 2.10 m) depth										
		1	x	263	x	1.5	x	2	=	789	Cft	
		1	x	600	x	2.5	x	3	=	4500	Cft	
									Total	5289	Cft	
									@	11740.40	%o Cft	Rs. 62095/-
2	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.										
	(9") i/d	1	x	263					=	263	Rft	
									Total	263	Rft	
									@	528.30	P.Rft	Rs. 138943/-
	(12") i/d	1	x	600					=	600	Rft	
									Total	600	Rft	
									@	695.60	P.Rft	Rs. 417360/-
3	Cost of manhole			Detailed attached					=	26	No	
									@	30430	Each	Rs. 791180/-
											Total	Rs. 1409578/-
											Say	Rs. 1409600/-

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division
Minchinabad

Executive Engineer
Buildings Division
Bahawalnagar

DETAIL OF MANHOLE(4'x3'x3')

1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timberter, in all types of soil except shingle, gravel and rock:-0 ft. to 7.0 ft. (0 to 2.10 m) depth

	1	x	5 1/2	x	4 1/2	x	4	=	99	Cft
							Total		99	Cft
							@	11740.40	%o Cft	Rs. 1162/-

2 Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth Ratio 1: 6:12

	1	x	5 1/2	x	4 1/2	x	1/2	=	12	Cft
							Total		12	Cft
							@	21060.85	% Cft	Rs. 2606/-

3 Pacca brick work other than building upto 10ft. (3 m) height.cement, sand mortar:-1:4 ratio

	2	x	5 1/2	x	3/4	x	3	=	25	Cft
	2	x	3	x	3/4	x	3	=	14	Cft
							Total		38	Cft
							@	30526.30	% Cft	Rs. 11676/-

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

bed manhole	1	x	4	x	3	x	1/6	=	2	Cft
							Total		2	Cft
							@	38126.10	% Cft	Rs. 763/-

5 Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other omplete in all respects:-Type C (nominal mix 1: 2: 4) i/c errection in position

slab manhole	1	x	5 1/2	x	4 1/2	x	1/3	=	8	Cft
							Total		8	Cft
							@	532.55	P.Cft	Rs. 4350/-

6 Fabrication of mild steel reinforcement for cement concrete,including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):Plain bars Grade-40

	1	x	8 1/6	x	6 3/4	x	4/9	=	25	Kg
							Total		25	Kg
							@	31403.05	% Kg	Rs. 7860/-

7 Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick

inside	1 x 2	(	4	+	3	)	3 3/4	=	53	Sft
Out side	1 x 2	(	4	+	5 1/2	)	1/2	=	10	Sft
							Total		62	Sft
							@	3241.60	% Sft	Rs. 2010/-
									Total	Rs. 30427/-
									Say	Rs. 30430/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Minchinabad

8	**Providing and fitting C.I. flanges on pipes, including turning, threading, facing and fitting, etc. complete in all respects:- 3" to 6" Dia**				
		=	10 kg		
		@	158.15 kg	=	1582 /-
			kg		
9	**Providing and fixing, air valve 2½ (65mm) dia of B.S.S. quality and weight (complete with jointing material).single**				
		=	2 No		
		@	5008.05 Each	=	10016 /-
				Total;- =	**871195 /-**
				Say:- =	**871,200 /-**

Sub Engineer

Sub Divisional Officer,
Buildings Sub Division
Minchinabad

Executive Engineer
Buildings Division
Bahawalnagar

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010071
A/C To be Credited: Account-I

PKR Million

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

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010071
A/C To be Credited: Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	50.000	24.981	2.998	2.982	4.997	7.932	93.890
Utilization	25.175	24.980	2.872	2.764	4.793	0.992	61.577

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	0	0	0	0	0	11.667	11.667
Utilization	0	0	0	0	0	0	0

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

Employment Generation (Director and Indirect)

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

11.2 ENVIRONMENTAL IMPACT ANALYSIS

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

11.3 PACT ANALYSIS

undefined

11.4 ECONOMIC ANALYSIS

Delay in the implementation of the project will lead to increase in cost and increase financial burden on the Government and general population of Punjab. Since the project is one of the major needs and a long awaited desire of the community, therefore, Government of the Punjab contemplated plan for early execution of Revamping of Emergency Units. The delay will not only deprive the patients of the state of the art facility but also distort the public image of the Government.

11.5 FINANCIAL ANALYSIS

Financial Benefits & Analysis

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

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

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

11.1.1 Financial Impact:

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

11.2 Revenue Generation

Revenue will be generated from:

Indoor fee
Laboratory fees
Diagnostic facility fees
Dental fee
ECG fee
Private room charges
Ambulance charges
From other fees prescribed by Government

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Original Gestation period (From September, 2017 to June, 2019)

Extension in Gestation period for one year with no change in cost & Scope till June 2020.

1st Revised gestation period till June, 2021

2nd Revised gestation period till June, 2023.

3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

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 Management Structure is available in PC-I

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

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

15. It is certified that the project titled **"Revamping of THQ Hospital Minchinabad (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)

Page 138 CamScanner

17. RELATION WITH OTHER PROJECTS