



PC-1

Revamping of THQ Hospital, Mankera District Bhakkar

ORIGINAL APPROVED COST	PKR Million. 335.188/-
ORIGINAL APPROVED GESTATION	72 Months Till June 2025
APPROVAL FORUM	DDSC (DDSC)

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Mankera District Bhakkar

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. BHAKKAR

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDERAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	Source of Funding: Scheme Listed in ADP CFY
2	Proposed Allocation: 0.000
3	GS No: 5285
4	Total Allocation: 0.000
5	Funds Diverted: 0.000
6	Balance Funds: 0.000
7	Comments: Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1,300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

Attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

5.4.5 Security

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

5.6 HR & Management Interventions Structure

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

New Organogram of Hospital



MS

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



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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eligibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

OR

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

2. Minimum 1 Year post degree relevant experience.

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

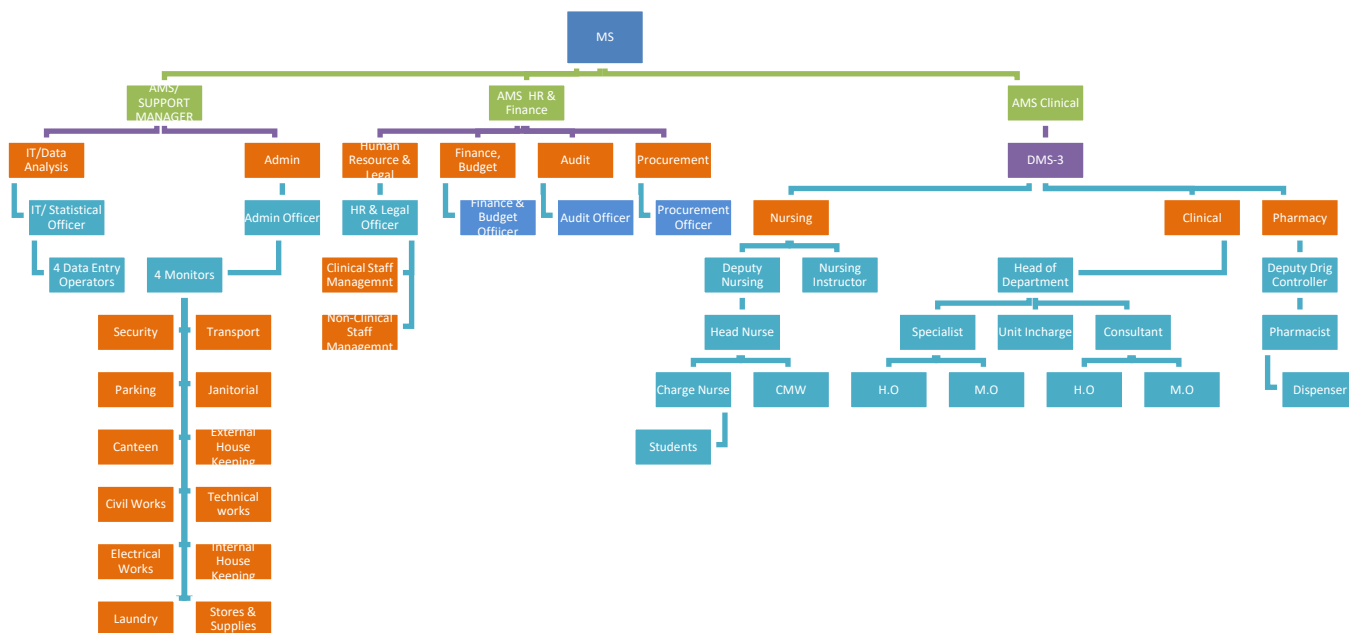
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

Attached

6. 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 Mankera District Bhakkar is more than 0.534 million. The area of the THQ Hospital Mankera District Bhakkar is 373,029 SFT land.

6.1 Description and Justification

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

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

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

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

Justification for 3rd Revision of PC-I

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

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

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

3. As the gestation period of the PC-I till 30.06.2023, therefore, the cost of NMS has been revised for smooth running of the Tehsil Headquarter Hospitals and hence PC-I has been proposed till 30- 06-2025.
4. Infrastructure team has conducted the Joint visits with the team of C&W Department. During the field visits, few alterations were recommended by the technical teams which have been incorporated in the Revised Rough Cost Estimates of the subject scheme and have been attached with the PC-I along with comparative statement. Therefore, Civil works component cost has been increased from Rs. 29.664 million to Rs. 43.201 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:LO17011162
A/C To be Credited:Assan Assignment

PKR Million

S r #	Object Code	2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025	
		Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
1	A05270-To Others	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	A12403-Other Buildings	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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:LO22010070
A/C To be Credited:Account-I

PKR Million

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

Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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Abstract of Cost

Name of THQ Hospital	THQ MANKERA											
	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	24.386	24.386	0.000	24.386	24.386	10.252	10.000	20.252	30.711	10.000	40.711
External development	0.000	4.593	4.593	0.000	4.593	4.593	13.063	0.000	13.063	6.029	0.000	6.029
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	6.348	0.000	6.348	6.461	0.000	6.461
Total Capital Component	0.000	34.579	34.579	0.000	34.579	34.579	29.664	10.000	39.664	43.201	10.000	53.201
Revenue component												
Emergency	0.000	20.028	20.028	0.000	20.028	20.028	0.000	27.386	27.386	0.000	46.506	46.506
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	50.169	50.169	0.000	50.169	50.169	0.000	66.957	66.957	0.000	100.749	100.749
Electricity	0.000	10.189	10.189	0.000	10.189	10.189	0.000	10.639	10.639	0.000	19.139	19.139
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	3.066	3.066	0.000	3.066	3.066	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	36.380	36.380	0.000	54.188	54.188
LC Deficit during procurement (currency fluctuation)								3.140	3.140		3.140	3.140
Total Revenue component	0.000	138.938	138.938	0.000	138.938	138.938	0.000	190.245	190.245	0.000	281.939	281.939
Outsourcing component												
Janitorial Services	0.000	12.386	12.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	6.470	6.470	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	1.920	1.920	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	6.446	6.446	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total outsourcing cost	0.000	42.355	42.355	0.000	0.048	0.048	0.000	0.048	0.048	0.000	0.048	0.048
Total	0.000	215.873	215.873	0.000	173.566	173.566	29.664	200.293	229.957	43.201	291.987	335.188
Contingency (1%) only on Civil Component	0.000	0.346	0.346	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third Party Monitoring (TPM) (1%)	0.000	2.159	2.159	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	2.159	2.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	0.000	220.536	220.536	0.000	173.566	173.566	29.664	200.293	229.957	43.201	291.987	335.188

Emergency Equipment

Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Original			1st Revised			2nd Revised			3rd Revised		
				Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)	Required Quantity	Actual Unit Price	Actual Total Cost(Rs)
				(T=5+S=0+E=6)			(T=5+S=0+E=6)			(T=5+S=0+E=6)			(T=5+S=0+E=6)		
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 paed's & adult each*(N)	2	4	10,500	42,000	4	10,500	42,000	4	12,000	48,000	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	2	45,150	90,300	2	50,000	100,000	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	2	169,785	339,570	2	180,000	360,000	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	420,000	-	0	-	-	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	4	125,265	501,060	4	215,000	860,000	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
15		Resuscitation Trolley (fully equipped) y*(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	Minor O.T	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		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) y*(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		Bedsides-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	7	ATTENDANT BENCH)*(N)	1	0	5,250	-	0	5,250	-	0	8,000	-	0	10,000	-
40		(MOTRIZED BEDS) with accessories (with foot steps)*(N)	7	6	210,000	1,260,000	6	210,000	1,260,000	6	400,000	2,400,000	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	169,785	169,785	1	169,785	169,785	1	300,000	300,000
42		Pulse- oximeter *(N)	6	6	104,000	624,000	6	104,000	624,000	6	160,000	960,000	6	225,000	1,350,000
43		Bedsides-monitor*(N)	3	3	301,665	904,995	3	301,665	904,995	3	550,000	1,650,000	3	1,200,000	3,600,000
44		B.P apparatus wall type *(N)	6	6	26,250	157,500	6	26,250	157,500	6	30,000	180,000	6	30,000	180,000

Emergency Equipment

				Original			1st Revised			2nd Revised			3rd Revised		
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit Price	Actual Total	Required Quantity	Actual Unit Price	Actual Total	Required Quantity	Actual Unit Price	Actual Total	Required Quantity	Actual Unit Price	Actual Total
45	Emergency ward	Nebulizer HD *(N)	2	2	125,265	250,530	2	125,265	250,530	2	215,000	430,000	2	300,000	600,000
46		Resuscitation Trolley (fully equipped) *(N)	1	1	237,618	237,618	1	237,618	237,618	1	400,000	400,000	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	299,153	299,153	1	650,000	650,000	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	259,350	518,700	2	275,000	550,000	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	69,300	-	0	69,300	-	0	69,300	-
51		ambo bag paed with Mask*N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,000	95,000
52		ambo bag adult with Mask* N	5	5	15,750	78,750	5	15,750	78,750	5	19,000	95,000	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	4,085	8,169	2	4,500	9,000	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	3,450,350	3,450,350	1	4,300,000	4,300,000	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1,403,325	1,403,325	1	1,500,000	1,500,000	1	2,400,000	2,400,000
		Total				20,027,695			20,027,695			27,386,235			46,506,200
						20.028			20.028			27.386			46.506

MSDS

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	ITEM DESCRIPTION	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)	Quantity Required	Actual Unit Price	Actual Total Cost(Rs)
1	Histology slide boxes	3	3,100	9,299	3	3,100	9,299	3	4,500	13,500	3	4,500	13,500
2	Labeling Device connected with Computer	3	60,000	180,000	3	60,000	180,000	3	80,000	240,000	3	80,000	240,000
3	Safe Transportation Boxes	2	15,750	31,500	2	15,750	31,500	2	18,000	36,000	2	18,000	36,000
4	Portable Safety Exhaust Hood	1	160,000	160,000	1	160,000	160,000	1	250,000	250,000	1	450,000	450,000
5	Centrifuge Machine	0	149,336	-	0	149,336	-	0	250,000	-	0	325,000	-
6	Hot plates	2	26,250	52,500	2	26,250	52,500	2	45,000	90,000	2	55,000	110,000
7	Water bath	1	157,500	157,500	1	157,500	157,500	1	157,500	157,500	1	300,000	300,000
8	Complaint boxes	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500	10	3,150	31,500
9	Spine boards with Neck holders	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320	4	31,080	124,320
10	Sensitometer	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325	1	137,325	137,325
11	Densitometer personal	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782	2	191,391	382,782
12	Box of Films	2	26,250	52,500	2	26,250	52,500	2	30,000	60,000	2	30,000	60,000
13	Aluminium Step Wedge	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250	1	26,250	26,250
14	Non-Mercury thermometer	10	305	3,045	10	305	3,045	10	350	3,500	10	750	7,500
15	Brass or copper mesh screen	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500	2	5,250	10,500
16	Wheel Chairs	0	31,500	-	0	31,500	-	0	35,000	-	0	35,000	-
17	Statures	0	67,830	-	0	67,830	-	0	75,000	-	0	75,000	-
18	Blood Warmer	3	246,750	740,250	3	246,750	740,250	3	275,000	825,000	3	275,000	825,000
19	Sequence Compression Device	2	210,000	420,000	2	210,000	420,000	2	230,000	460,000	2	600,000	1,200,000
20	Blood Bank Refrigerators with	0	682,500	-	0	682,500	-	0	700,000	-	0	1,469,900	-
21	Data Coder	1	84,000	84,000	1	84,000	84,000	1	100,000	100,000	1	-	-
22	Plasma Separator 1	0	4,200,000	-	0	4,200,000	-	0	4,500,000	-	0	4,500,000	-
23	Blood Storage Cabinet	1	682,500	682,500	1	682,500	682,500	1	700,000	700,000	1	1,469,900	1,469,900
24	Resuscitation Trolley	0	244,733	-	0	244,733	-	0	400,000	-	0	491,350	-
25	Ultra sound machine gyne	0	1,403,325	-	0	1,403,325	-	0	1,700,000	-	0	2,150,000	-
26	Delivery Table	0	47,250	-	0	47,250	-	0	47,250	-	0	48,500	-
27	Height and weight scale	4	8,400	33,600	4	8,400	33,600	4	10,000	40,000	4	31,500	126,000
28	Suction Electronic	0	259,350	-	0	259,350	-	0	275,000	-	0	275,000	-
29	Fetal Heart Rate Detector	1	144,375	144,375	1	144,375	144,375	1	175,000	175,000	1	275,000	275,000
30	Ambo bag	0	17,325	-	0	17,325	-	0	19,000	-	0	19,000	-
31	Neonatal size face mask	4	578	2,310	4	578	2,310	4	1,200	4,800	4	1,500	6,000
32	Exchange transfusion trays	2	10,000	20,000	2	10,000	20,000	2	10,000	20,000	2	12,000	24,000
33	Shoe racks SS	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600	4	39,900	159,600
34	Sterilizer	0	2,940,000	-	0	2,940,000	-	0	3,500,000	-	0	7,800,000	-
35	Washer disinfectant	0	-	-	0	-	-	0	-	-	0	-	-
36	Packing table	0	-	-	0	-	-	0	-	-	0	-	-
37	Digital Sealer Printer	1	420,000	420,000	1	420,000	420,000	1	480,000	480,000	1	520,000	520,000
38	Backup Auto Clave	0	441,000	-	0	441,000	-	0	550,000	-	0	789,625	-
39	Racks for Manual	10	21,000	210,000	10	21,000	210,000	10	37,500	375,000	10	56,160	561,600
40	Locked Racks for MSDS Data	2	21,000	42,000	2	21,000	42,000	2	37,500	75,000	2	56,160	112,320
41	Eye Wash Station with shower	3	300,000	900,000	3	300,000	900,000	3	350,000	1,050,000	3	350,000	1,050,000
42	Air Curtain	4	50,190	200,760	4	50,190	200,760	4	60,000	240,000	4	60,000	240,000
43	Fire Sand Buckets with stand	5	15,000	75,000	5	15,000	75,000	5	20,000	100,000	5	20,000	100,000
44	Smoke Detectors	10	7,350	73,500	10	7,350	73,500	10	8,500	85,000	10	8,500	85,000
45	Heat Detector	5	8,400	42,000	5	8,400	42,000	5	10,000	50,000	5	10,000	50,000
46	Gas Detector	5	6,300	31,500	5	6,300	31,500	5	7,500	37,500	5	7,500	37,500
47	Fire Blankets	10	2,783	27,825	10	2,783	27,825	10	3,200	32,000	10	3,200	32,000
48	Fire Alarms	10	5,250	52,500	10	5,250	52,500	10	6,500	65,000	10	6,500	65,000
49	Identification Bands	100	3	315	100	3	315	100	3	300	100	3	300
50	Wet Flooring Signages	0	431	-	0	431	-	0	550	-	0	750	-
51	Key Box	6	8,190	49,140	6	8,190	49,140	6	10,000	60,000	6	10,000	60,000
52	Dehumidifier	0	58,800	-	0	58,800	-	0	70,000	-	0	100,000	-
53	Tourniquet	4	840	3,360	4	840	3,360	4	850	3,400	4	1,500	6,000
54	LAB SAFETY BOX	2	3,150	6,300	2	3,150	6,300	2	4,000	8,000	2	4,000	8,000
55	densitometer	0	210,000	-	0	210,000	-	0	210,000	-	0	210,000	-
56	vending machine	0	630,000	-	0	630,000	-	0	630,000	-	0	630,000	-
57	Automatic shoe cover machine	2	296,100	592,200	2	296,100	592,200	2	332,500	665,000	2	332,500	665,000
58	Vein Finder	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000	2	630,000	1,260,000
59	Blood Sample Vials (BOXES)	3	13	38	3	13	38	3	15	45	3	15	45
60	Bassinets	5	21,000	105,000	5	21,000	105,000	5	22,000	110,000	5	22,000	110,000
61	Chemical Spill Cleanup kit	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000	2	100,000	200,000
62	Digital Temperature Humidity Gauge	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

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

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				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	Gynea (20 beds)	Orthopedic Instruments	0	0	0	432,623	-	0	0	432,623	-	0	0	550,000	-	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	0	1,418,958	-	1	0	1,500,000	-	1	0	2,400,000	-
58		Autoclave	1	1	0	441,000	-	1	0	441,000	-	1	0	550,000	-	1	0	850,000	-
59		Delivery Set	10	1	9	31,500	283,500	1	9	31,500	283,500	1	9	40,000	360,000	1	9	65,000	585,000
60		Delivery Table	2	1	1	47,250	47,250	1	1	47,250	47,250	1	1	47,250	47,250	1	1	55,000	55,000
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	0	2	294,000	588,000	0	2	550,000	1,100,000	0	2	1,200,000	2,400,000
62		D & C Set	2	1	1	34,650	34,650	1	1	34,650	34,650	1	1	40,000	40,000	1	1	60,000	60,000
63		Vacume Extractor	1	1	0	259,350	-	1	0	259,350	-	1	0	300,000	-	1	0	350,000	-
64		CTG Machine	1	1	0	628,049	-	1	0	628,049	-	1	0	725,000	-	1	0	900,000	-
65		ECG Machine Three Channel	1	1	0	169,785	-	1	0	169,785	-	1	0	180,000	-	1	0	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	1	1	14,669	14,669	1	1	14,669	14,669	1	1	16,000	16,000	1	1	16,000	16,000
68		Delivery trolley	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	1	0	144,375	-	1	0	144,375	-	1	0	175,000	-	1	0	200,000	-
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	1	0	3,355,849	-	1	0	3,355,849	-	1	0	4,000,000	-	1	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	Others	Set of Surgical Instruments	0	0	0	141,750	-	0	0	141,750	-	0	0	160,000	-	0	0	220,000	-
76		Stretcher	10	0	10	68,250	682,500	0	10	68,250	682,500	0	10	69,300	693,000	0	10	69,300	693,000
77		wheel chair	10	0	10	31,500	315,000	0	10	31,500	315,000	0	10	35,000	350,000	0	10	35,000	350,000
78		foot support	6	0	6	4,200	25,200	0	6	4,200	25,200	0	6	4,500	27,000	0	6	5,148	30,888
79		Resuscitation trolley With Crash Cart	5	0	5	237,618	1,188,091	0	5	237,618	1,188,091	0	5	400,000	2,000,000	0	5	600,000	3,000,000
80		BP Appratus	15	1	14	15,750	220,500	1	14	15,750	220,500	1	14	16,000	224,000	1	14	16,000	224,000
81		Ventilator	0	0	0	2,195,080	-	0	0	2,195,080	-	0	0	3,500,000	-	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	0	1	1,098,510	1,098,510	0	1	2,100,000	2,100,000	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	0	1	858,440	858,440	0	1	925,000	925,000	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	0	2	94,500	189,000	0	2	100,000	200,000	0	2	140,000	280,000
85		Image Intensifier	0	0	0	4,667,460	-	0	0	4,667,460	-	0	0	4,667,460	-	0	0	#####	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	0	7	850,000	5,950,000	0	7	-	-	0	7	-	-
87		Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	0	4	210,000	840,000	0	4	400,000	1,600,000	0	4	600,000	2,400,000
88		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	ICU	Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	0	2	244,733	489,466	0	2	400,000	800,000	0	2	600,000	1,200,000
90		Defibrillator	1	0	1	299,153	299,153	0	1	299,153	299,153	0	1	650,000	650,000	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	330,750	-	0	0	650,000	-	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	169,785	-	0	0	180,000	-	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	0	1	108,780	108,780	0	1	125,000	125,000	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	259,350	-	0	0	275,000	-	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	298,200	-	0	0	900,000	-	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	-	-	0	0	-	-	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	0	2	1,600,000	3,200,000	0	2	3,500,000	7,000,000	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	1,098,510	-	0	0	2,100,000	-	0	0	2,800,000	-
100		DELIVERY TROLLEY STAINLESS STEEL	1	0	1	23,835	23,835	0	1	23,835	23,835	0	1	47,250	47,250	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	0	4	17,325	69,300	0	4	19,000	76,000	0	4	19,000	76,000
102		Ambu-Bag, paed	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	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 Unit	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

Sr. No.	Area	Name of Equipment	Yard Stick	Original				1st Revised				2nd Revised				3rd Revised			
				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					50,169,385				50,169,385				66,956,785				100,748,638
							50.169				50.169				66.957				100.749

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	2	1,600,000	2,600,000
2	Transformers (100 KVA)	0	450,000	-	0	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	-	1	6,500,000	6,500,000
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)	24	55,500	1,332,000	24	55,500	1,332,000	24	55,500	1,332,000	24	55,500	1,332,000
6	2 Ton air conditioners (Cabinet)	5	78,000	390,000	5	78,000	390,000	5	78,000	390,000	5	78,000	390,000
7	4 Ton air conditioners (Cabinet)	2	120,000	240,000	2	120,000	240,000	2	120,000	240,000	2	120,000	240,000
8	Ceiling Fans 56"	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800	20	3,090	61,800
10	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
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	5,000,000	5,000,000	1	5,000,000	5,000,000
	Total			10,189,240			10,189,240			10,639,240			19,139,240
				10.189			10.189			10.639			19.139

IT & QMS & Surveillance

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

Furniture and Fixtures

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

Signage and plaques

Sr No	Type	Kinds of Sign Boards	Original			1st Revised			2nd Revised			3rd Revised		
			Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost	Quantity	Rates	Cost
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	6	10,017	60,102	6	10,017	60,102	6	13,951	83,706	6	13,951	83,706
2	A2	External Platform/Road Signage (Triangular)	6	9,163	54,978	6	9,163	54,978	6	12,762	76,574	6	12,762	76,574
3	B1	Main Directional Board	1	111,359	111,359	1	111,359	111,359	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	10	14,308	143,080	10	14,308	143,080	10	19,929	199,290	10	19,929	199,290
5	C2	Directional Board (Two Sheets)	1	22,268	22,268	1	22,268	22,268	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,854	29,854	1	29,854	29,854	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,867	36,867	1	36,867	36,867	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,771	44,771	1	44,771	44,771	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	52,274	52,274	1	52,274	52,274	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,864	23,592	3	7,864	23,592	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	6	46,729	280,374	6	46,729	280,374	6	65,087	390,524	6	65,087	390,524
12	E1	External Map Boards	2	40,771	81,542	2	40,771	81,542	2	56,788	113,576	2	56,788	113,576
		Internal Signage	0	-	-	0	-	-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	89,955	449,775	5	89,955	449,775	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	68,489	342,445	5	68,489	342,445	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	4	50,724	202,896	4	50,724	202,896	4	70,651	282,604	4	70,651	282,604
4	F4	Internal Hanging Signage (Corridor 2)	4	51,312	205,248	4	51,312	205,248	4	71,470	285,880	4	71,470	285,880
5	G1	Internal Department Signage on wall	7	12,974	90,818	7	12,974	90,818	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,729	74,580	20	3,729	74,580	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	100	858	85,800	100	858	85,800	100	1,194	119,420	100	1,194	119,420
8	K1	Internal Wall Signage	100	1,408	140,800	100	1,408	140,800	100	1,961	196,140	100	1,961	196,140
9	L1	Room Numbers Fixed on Wall	50	3,574	178,700	50	3,574	178,700	50	4,978	248,920	50	4,978	248,920
10	M1	Advance Fire Exit Sign	10	1,819	18,190	10	1,819	18,190	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,258	12,580	10	1,258	12,580	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,410	48,200	20	2,410	48,200	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,875	104,375	5	20,875	104,375	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,151	53,775	25	2,151	53,775	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	647	3,235	5	647	3,235	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,132	11,320	10	1,132	11,320	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	879	13,185	15	879	13,185	15	1,225	18,375	15	1,225	18,375
		Total			2,976,983			2,976,983			4,146,482			4,146,482
		Designing and Site Supervision			89,309			89,309			124,394			124,394
		Grand Total			3,066,292			3,066,292			4,270,877			4,270,877
					3.066			3.066			4.271			4.271

DAY CARE CENTER

Yard Stick as per Women Development Department

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

DAY CARE CENTER

Yard Stick as per Women Development Department

Sr. No.	ITEMS	Original			1st Revised			2nd Revised			3rd Revised		
		Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total	Yard Stick (DCC of 25 Kids)	Unit Cost	Total
52	Soft toys	2	700	1,400	2	700	1,400	2	700	1,400	2	700	1,400
53	Infants Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
54	Toddlers Manual Weight Machine	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000	1	1,000	1,000
55	Tri Cycles	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000	4	3,500	14,000
56	Wooden Cots	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000
57	Mattresses for Cots	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000	10	1,200	12,000
58	Pillows	10	300	3,000	10	300	3,000	10	300	3,000	10	300	3,000
59	Bed Sheets and pillow covers	20	400	8,000	20	400	8,000	20	400	8,000	20	400	8,000
60	Nets	10	600	6,000	10	600	6,000	10	600	6,000	10	600	6,000
61	High Chairs for feeding	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000	15	3,000	45,000
62	Rockers Cum Bouncer	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000	8	2,500	20,000
63	Cot Mobile	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000	10	1,500	15,000
64	Plastic Chairs (Round edges Animal Shapes)	7	600	4,200	7	600	4,200	7	600	4,200	7	600	4,200
65	Multi-Purpose Table	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000	2	3,000	6,000
66	Writing Board	1	500	500	1	500	500	1	500	500	1	500	500
67	Electric Sterilizer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
68	Electric Warmer	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
69	Table sets	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000	2	4,000	8,000
70	Rocker	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200	6	3,200	19,200
71	Activity Gym (Infants)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
72	Play Gym	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500	5	2,700	13,500
73	Activity Gym (Toddlers)	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000	5	2,000	10,000
74	Toiler Training Seat	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000	10	3,000	30,000
75	Infant Toys	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000	30	4,000	120,000
76	Bath Toys	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000	15	1,000	15,000
77	Fun Links Teether	15	300	4,500	15	300	4,500	15	300	4,500	15	300	4,500
78	Fun Pal Teether	15	500	7,500	15	500	7,500	15	500	7,500	15	500	7,500
79	Fun Rattle	15	400	6,000	15	400	6,000	15	400	6,000	15	400	6,000
80	Mother feeding Chair	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000	1	3,000	3,000
81	Soft Books (duplication)	20	500	10,000	20	500	10,000	20	500	10,000	20	500	10,000
82	Bottle Brushes	3	300	900	3	300	900	3	300	900	3	300	900
List of others items i.e. Kitchen, Office, Electric items				-			-			-			-
1	Water Dispenser	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000	1	14,000	14,000
2	Microwave Oven	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400	1	12,400	12,400
3	Fridge	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000	1	34,000	34,000
4	Kitchen Accessories / Cutleries etc.	24	200	4,800	24	200	4,800	24	200	4,800	24	200	4,800
5	Sofa Set	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000	1	40,000	40,000
6	Office Table	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
7	Office Chairs	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000	5	10,000	50,000
8	Air Conditioner	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000	2	42,000	84,000
9	LCD	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000	1	27,000	27,000
10	DVD player	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000	1	5,000	5,000
11	CCTV Cameras	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
12	Fire Alarms	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000	3	5,000	15,000
13	UPS	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000	1	10,000	10,000
14	Vacuum Cleaner	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000	1	7,000	7,000
15	Fire Extinguishers (Large)	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
16	Electric Insect Killer	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600	2	7,800	15,600
17	Electric Hand Dryer	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000	1	4,000	4,000
18	Electric Heater	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000	2	5,000	10,000
19	Ceiling/bracket Fans	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000	4	8,000	32,000
20	Curtains	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000	2	45,000	90,000
21	Carpets	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000
22	Other miscellaneous items	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675	1	218,675	218,675

DAY CARE CENTER

Yard Stick as per Women Development Department

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

Sr. No.	NAME OF POST	Original				1st Revised				2nd Revised				3rd Revised				
		No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Employees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERATOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	HR FOR QMS and MSDS and Day Care Center																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
Sub Total of HR Model				4,860,000	17,220,000			4,860,000	17,220,000			5,040,000	28,140,000				5,273,000	40,473,000
					17,220				17,220				28,140					40,473
Utilization of HR Component									8,240				13,72					
Total of HR Component													36.38					54.188

Janitorial Services

	Original		From 1st Revised to onward
Assumptions			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residential area	23,682	sft	
Covered area assigned to one sweeper	7,500	sft	
Number of sweepers required for covered area	3	Persons	
Road and ROW area	90,122	sft	
Road and ROW assigned to one sweeper	15,000	sft	
Number of sweepers required for road and ROW area	6	Persons	
Number of washroom blocks	5	blocks	
Number of washroom block assigned to one sweeper	3	Persons	
Number of sweepers required for total washroom blocks	2	Persons	
Total sweeper in morning shift	11	Persons	
Total number of sweepers in evening shift	6	Persons	
Total number of sweepers in night shift	5	Persons	
Total number of sweepers in all shifts	22	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	22	22,000	5,858,093
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)			12,386,093
12.386			

Security and Parking

		Original			From 1st Revised to onward
Assumptions					<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Covered area excluding residences	23,682				
Covered Area per guard	15,000				
Number of guards	2				
Open area excluding parking area	90,122				
Area covered per guard per shift for open area excluding parking	15,000				
Number of guards for total area excluding parking area	6				
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	7	21,525	150,675	1,808,100	
Civilian	10	21,000	210,000	2,520,000	
Lady Searcher	4	21,525	86,100	1,033,200	
Parking	2	21,525	43,050	516,600	
Sub total				6,470,100	
Equipment cost					
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				500,000	
Sub total				500,000	
Subtracting Parking Fees				500,000	
Total Security and Parking Services				6,470,100	
				6.470	

Laundry Services

	Original			From 1st Revised to onward
Number of beds	40			<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: "It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY". In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Type of Item	No of Beds	Per bed cost per year	Total Cost	
No of Bed	40	30,000	1,200,000	
Transport Charges			1,200,000	
Total for laundry items			2,400,000	
Total			2.400	

Maintenance of Generator

	Original			From 1st Revised to onward
Item Name	Quantity	Cost per year	Total Cost	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Periodical Maintenance Cost				
Number of Generators (200 KVA)	-	500,000	-	
Number of Generators (100 KVA)	1	300,000	300,000	
Number of Generators (50 KVA)	-	175,000	-	
Repairs Cost	1	300,000	300,000	
HR Cost				
Supervisor	1	40,000	240,000	
Generator Operator	3	30,000	1,080,000	
Technical Staff/Mechanic	-	30,000	-	
Total			1,920,000	
			1.920	

MEP

Original					From 1st Revised to onward
Type of worker / Component	No of workers	Salary per month	Salary per Month for all persons	Salary for One Year	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
Supervisors	1	56,420	56,420	677,040	
Plumber	1	32,550	32,550	390,600	
AC/ Technician	1	34,720	34,720	416,640	
Electrician	2	31,465	62,930	755,160	
Car painter	1	30,380	30,380	364,560	
Total (Salary component)			217,000	2,604,000	
	No.	Per Unit Cost per Year	Cost per Year for all Items	Cost for One Year	
A/C	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	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
	Medical Oxygen Gas in 48 CFTCylinder (MF)	30	360	1,000	360,000	
	Medical Oxygen Gas in 24 CFTCylinder (ME)	40	480	800	384,000	
Nitrous Oxide	Nitrous Oxide in 1,620 Liter (XE)	2	24	5,000	120,000	
	Nitrous Oxide in 16,200 Liter (XM)	1	12	12,500	150,000	
Nitrogen Gas	Nitrogen Gas	1	12	2,000	24,000	
Total					1,304,400	
						1.304

Cafeteria

Pre-Fabrication Cateen (Procurement)

		Original				From 1st Revised to onward
Sr. No.	Description of work	Unit	Qty	Rate (Rs)	Amount (Rs)	<p>In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under:</p> <p>"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".</p> <p>In view of above, Outsourcing cost has been excluded from this PC-I.</p>
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) for ordinary soil	Cft	2545	6.13	15,602	
2	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	Sft	4305	2.21	9,514	
3	Supplying and filling sand of approved quality from outside sources under floors etc complete in all respects.	Cft	2268	15.62	35,426	
4	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor and foundation, complete in all respects.	Cft	998	39.15	39,069	
5	Providing and laying damp proof course (1½" thick (40 mm)) of cement concrete 1:2:4, with one coat bitumen and one coat polythene sheet 500gauge	Sft	318	43.34	13,789	
6	Brick work with cement, sand mortar ratio 1:5	Cft	1792	180.25	323,071	
7	Cement concrete plain Ratio 1: 4: 8 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	427	170.72	72,893	
8	Cement concrete plain Ratio 1: 2 : 4 including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate)	Cft	1043	190.48	198,746	
9	Placing Granite tiles (24"x24"x0.5") using white cement over a bed of ¾" (20 mm) thick cement mortar 1:6.	Sft	2160	200.00	432,000	
10	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect.	Sft	720	118.00	84,960	
Total Amount of Platform Construction					1,225,070	
Pre-Fabrication of Canteen Structure						
11	Providing and fixing aluminium frame window with double glazed glass 6mm+6mm thick complete in all respect as approved by engineer	Sft	48	1100.00	52,800	
12	Providing and fixing aluminium frame door with single glazed glass 6mm thick complete in all respect as approved by engineer	Sft	56	700.00	39,200	
13	Fixing of frameless Glass wall of approved quality and design as approved by engineer	Sft	550	1500.00	825,000	
14	Providing Granite skirting or dado 4/8"(13 mm) thick including rounding of corner and straight ening of top edge and finishing to smooth surface afterplastering	Sft	491	212.00	104,177	
15	Placing & erection of pre-painted Box section tube Columns of M.S sheet 4mm thick of size 4" x4" complete in all respect.	Kg	693	150.00	103,950	
16	Placing & erection of pre-painted Box section tube Rafters of M.S sheet 4mm thick of size 3" x3" with all fittings, complete in all respect.	Kg	1040	150.00	155,925	
17	Placing & erection of pre-painted Box section tube Purlins of M.S sheet 1.6 mm thick (16 Gauge) of size 2" x2", with all fittings, complete in all respect.	Rft	676	120.00	81,144	
18	Placing & erection of pre-painted, Galvanized 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 Sanitary				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.
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	21,875	20	437,500
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	2	31,375	62,750
1.3	GRASSING				
a	GRASSING (EXISTING NON MAINTANE LAWNS)				
	Providing and dibbing of Fine Dacca grass where required, including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings , Specifications and as approved by the Engineer.	Sft	30,000	7	210,000
b	GRASSING (NEW LAWNS)				
	Providing and dibbing of Fine Dacca grass , including mud filling/leveling and contour shape preparation conforming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	37,500	10.00	375,000
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, Aletonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Manafiera etc.	No's	153	1,400	214,200
b	Trees 12" pot 3'-4" - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, ficus Starlight, Metaluca, Mimuspops, Pine, Ficus Armental, Pilken, Palms etc.	No's	36	260	9,360
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4" - Am road, Jaman, Beri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	300	600	180,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ivora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Motya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Cenra, Asparagras, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	13,636	65	886,340
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ivora Cochinea, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumer Rober, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc.	No's	2,143	185	396,455
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), Hemercolis(Daylily), Duranta etc.	No's	14,563	11	160,193
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	17	3,575	60,775
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	23	1,700	39,100
1.8	CREEPERS				
	Providing and planting Creepers as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer.				
	Creepers 12" Pot - Bougainvillea, Bonsai, Qusqualus, Bombay Creeper etc.	No's	73	185	13,505
2	HARD LANDSCAPE				
2.1	WALK WAYS				
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with 1:2:4 PCC, supply of 7000PSI tuff tiles 60mm as per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	3000	150	450,000
2.2	BENCHES				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	14	12,562	175,868
2.3	DUSTBINS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	9	23,675	213,075
2.4	PLAYING EQUIPMENTS				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	465,760	465,760
2.5	PLANTERS				
	Concrete planters 2' X 2'-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	13	3,700	48,100
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	75,000	7.50	562,500
4	CONSTRUCTION OF PLANTERS				
	Large Size				
4.1	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	292	550	160,600
	Medium Size				
4.2	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	38	550	20,900
	Small Size				
4.3	with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	70	550	38,500
5	GAZEBO Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
Total Amount of - Landscaping					5,470,481
PRA(16%)					875,277
Design Consultancy					100,000
Grand Total					6,445,758
					6.446

The Chief Executive Officer,
District Health Authority,
Bhakkar.

No. S268/EST Dated 08/10/2022

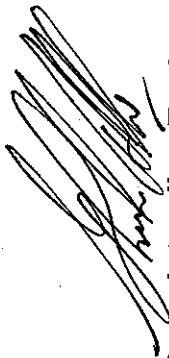
Subject:

ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR
REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ONE AT TESIL
HEAD QUARTER HOSPITAL MANKERA DISTRICT BHAKKAR"
(ADP NO.658 FOR THE YEAR 2022-23).

43-20

Rough Cost Estimate amounting to Rs. 42.168 (M) for the scheme cited as
subject based on the plinth area rates 2nd Bi-annual 2022 (1st July 2022 to
31st December 2022) is forwarded herewith duly vetted for arranging Administrative Approval /
Funds from the competent authority

DA/Estimate


Superintending Engineer,
Building Circle,
Sargodha

No.

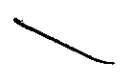
Dated

/2022

A copy is forwarded for information to:-

1. The Project Management Unit (Primary & Secondary Healthcare
Department) 1/E1, Shahrah e Imam Hussain Road Block E-1
Gulberg III, Lahore.
2. The Executive Engineer Buildings Division, Bhakkar, for information
with reference to his letter No.2103/EST dated 30.09.2022.

DA/Nil


Superintending Engineer,
Building Circle,
Sargodha,



BUILDINGS DIVISION, BHAKKAR

ROUGH COST ESTIMATE FOR THE WORK
"PROGRAMME FOR REVAMPING OF ALL

THQ HOSPITALS IN PUNJAB

ADP NO.658 FOR THE YEAR 2022-23
ONE AT TEHSIL MANKERA DISTRICT

BHAKKAR.

ESTIMATED COST

⁴³⁻²⁰²
~~42-168~~
= Rs.43.335(M)

BUILDINGS SUB DIVISION MANKERA

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME
FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB
ADP NO.658 FOR THE YEAR 2022-23
ONE AT TEHSIL MANKERA DISTRICT BHAKKAR.**

HISTORY.

The Govt. of Punjab is very keen interest to improve the health facilities in the province. In this context The Project Manager Primary & Secondary Healthcare Department has desired, to provide Rough Cost Estimate for Revamping in THQ Hospital Mankera through Communication and works Department Punjab.

In view of this the field staff along with focal person of Health Department to collect the data from site & prepare the Rough Cost estimate amounting to Rs ~~42.768~~ ^{43.335} (M) for arrangement of Administrative Approval and release of funds from the competent authority. ⁴³⁻²⁰²

DESIGN AND SCOPE.

The Scope of the work is as under.

- Improvement / Renovation of T.H.Q Hospital Mankera.
(Civil Work, E,I & S.I work)
- Water filtration plant
- Fire alarm & smoke detector system
- Sewerage System
- Septic tank
- Tuff Paved Road

CARRYING OUT OF WORK.

The work will be carried out through approved contractor of Building Department after calling tenders as per usual practice of the department.

SPECIFICATIONS.


The work shall be carried out strictly accordingly to Buildings Department specification latest edition and to entire satisfaction of Engineer In charge of work.

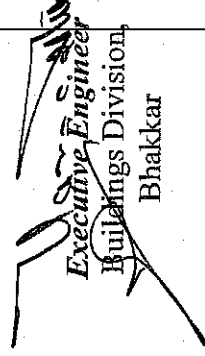
RATES.

The estimate has been prepared MRS Rates Bi-annual period (1st July 2022 to 31st December 2022) for District, Bhakkar.

TIME LIMIT 12 (Twelve) Month.

COST. ⁴²⁻⁶⁸ ~~42.768~~ ⁴³⁻²⁰²
Rs. 43.335(M)


Sub Divisional Officer,
Buildings Sub Division,
Mankera


Executive Engineer,
Buildings Division,
Bhakkar

Primary & Secondary Healthcare

GS No	Scheme Information Scheme ID / Approval Date / Location	Est. Cost	Accum. Exp. June, 22	Provision for 2022-23			MTDF Projections		Throw fwd Beyond June, 2025
				Cap.	Rev.	G.Total (Cap.+Rev.)	2023-24	2024-25	
1	2	3	4	5	6	7	8	9	10
656	Establishment of Cardiac Ward at RHC Khan Bela, Tehsil Liaquatpur, District Rahim Yar Khan 01032107937 / 17-07-2021 / Rahim Yar Khan	43,659	5,000	1,000	0.000	1,000	37,659	0.000	0.000
657	Establishment of THQ Hospital Bhowna District Chiniot 01081100024 / 16-05-2012 / Chiniot	397,804	125,000	10,000	0.100	10,100	262,704	0.000	0.000
658	Programme for Revamping of all THQ Hospitals in Punjab 01371700456 / 12-02-2019 / Punjab	22,060,239	6,446,220	1,300,000	500,000	1,800,000	7,826,305	5,987,715	0.000
659	Upgradation of Existing Trauma Centers and Establishment of New Trauma Centers across the Punjab 01372100633 / 30-07-2021 / Punjab	5,000,000	1,002,774	0.000	100,000	100,000	3,045,597	0.000	0.000
660	Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab 01372101939 / 30-07-2021 / Punjab	4,940,000	1,283,000	900,000	400,000	1,300,000	1,632,151	0.000	0.000
661	Establishment of a Health Facility in Rakni, District Bakhsh Balochistan 01372154482 / 01-02-2022 / Punjab	589,021	240,000	0.000	10,000	10,000	339,021	0.000	0.000
Total: Secondary Health Care		89,810,279	39,189,028	2,801,527	1,767,145	4,568,672	34,104,178	9,538,224	0.000
Special Initiatives									
662	Prime Minister Health Initiative 01371900805 / 21-11-2019 / Punjab	2,524,446	1,297,517	0.000	650,000	650,000	576,929	0.000	0.000
Total: Special Initiatives		2,524,446	1,297,517	0.000	650,000	650,000	576,929	0.000	0.000
Total: ON-GOING SCHEMES		138,585,819	55,742,571	3,946,086	6,147,094	10,093,180	56,959,869	13,661,603	0.000
NEW SCHEMES									
Preventive Health Care									
663	Integrated Program for Communicable Disease Control, Punjab 01372001521 / Un-Approved / Punjab	1,000,000	0.000	0.000	200,000	200,000	800,000	0.000	0.000
664	Infection Control Program Phase (II) 01372200879 / Un-Approved / Punjab	1,000,000	0.000	0.000	200,000	200,000	800,000	0.000	0.000
665	National Health Support Project (NHSP) 01372202153 / Un-Approved / Punjab	3,870,000	0.000	0.000	10,000	10,000	3,860,000	0.000	0.000
666	Strengthening of Family Planning Services in Primary & Secondary Health Facilities 01372202154 / Un-Approved / Punjab	4,000,000	0.000	0.000	10,000	10,000	3,990,000	0.000	0.000
667	Strengthening of Preventive Programs 01372202162 / Un-Approved / Punjab	1,000,000	0.000	0.000	400,000	400,000	600,000	0.000	0.000
Total: Preventive Health Care		10,870,000	0.000	0.000	820,000	820,000	10,050,000	0.000	0.000
Primary Health Care									
668	Strengthening of Urban Dispensaries / Filter Clinics 01372202161 / Un-Approved / Punjab	400,000	0.000	100,000	150,000	250,000	150,000	0.000	0.000
669	Replacement of Beds and Other Equipment at BHUs of Punjab 01372202278 / Un-Approved / Punjab	400,000	0.000	0.000	400,000	400,000	0.000	0.000	0.000

CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH FACILITY THQ Mankera 12-08-22

No	Item	OPD Block	Operation Theatre	Indoor Wards	Laboratory	X-ray Room	Remarks
1	Porcelain Floor Tile replacement	Only 10% tile may be taken in estimate to replace the damaged tiles. Remaining tiles are in good condition. Full Body Porcelain tiles needs to be fixed on ground floor by dismantling existing terrazzo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on floor by dismantling existing terrazzo and providing new PCC layer of specified thickness.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.		Tiles specifications, brand, size and installation specification will be as per specified C&W standards.
2	Porcelain Wall Tile replacement	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. Or height as per C&W Standards (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface terrazzo surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Full Body Porcelain tiles needs to be fixed on walls up to height of 6ft. (for corridors, wards, waiting areas) and 6" skirting (inside rooms/offices) after dismantling of existing surface.	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.		Tiles specifications, brand, size and installation will be as per specified C&W standards.
3	Wooden Doors flush or Solid/ Main Doors	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with solid flush doors of similar existing design.	Operation Theatre requires a new aluminium door to separate OT from Labour room.	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.	Existing flush doors to be repainted/polished after scrapping existing paint Only Damaged doors need to be replaced with wooden doors of similar existing design.		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 Facade	All Existing MS Corridor windows need to be provided with additional MS angle iron and double wire mesh.	All Existing MS Corridor windows need to be provided with additional MS angle iron and double wire mesh.				Specifications will be as per C&W standards.

5	Existing Internal Windows	All Existing internal MS windows need to be replaced with Aluminum Windows.	All Existing internal windows need to be replaced with Aluminum Windows. Reduce size of windows if required.	All old MS internal windows need to be replaced with Aluminum Windows.	Specifications, Aluminum and glass color will be as per specified C&W Standards
6	Internal Corridors.	Wall Paneling to be removed from walls and seepage issues to be addressed rectified along with roof structure treatment.		Remove ceiling & install SMD lights.	
7	Internal Electrification including fittings	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical. Internal wiring should be replaced with new wiring if existing wiring is damaged.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	All Electric fittings including switch boards, plates, sockets, wires & DBs should be replaced and installed at standard height from Finish Floor level and all must be identical.	Model Specifications/ Brands should be as per specified C&W Standards.
8	Internal Lighting Fixtures	All corridors and rooms should fit with SMD's with concealed wiring.	All corridors and rooms should fit with SMD's with concealed wiring.	SMDs need to be installed.	Model Specifications/ Brands and distance should be as per specified C&W Standards.
9	Revamping of Public Toilets	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with water supply and sewerage connections.	All washrooms need to be revamped completely by fixing full body porcelain tiles on floor and full body porcelain tiles on wall up to a minimum height of 7 ft. All existing fixtures should be replaced with new fixtures along with water supply and sewerage connections.	Vanity, wash basin, water closets, bath room accessories, tile size and color will be as per specified C&W standards. All Washroom doors should be replaced with UPVC doors having specified C&W Standards.

10	Wall Paint	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Roof treatment is required in the hospital with special treatment of expansion joints on roof.	---	---	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	All Walls should be painted after complete scrapping of existing paint and surface of walls should be prepared after plastering in patches (where required only) and wall Putty prior to paint works.	Plaster Cement Ratio, wall putty brand specifications, paint brand specifications, brand and color will be as per C&W standards.
11	Roof Treatment			---	---				
12	Nursing Counter (Ward)			---	---	Nursing counter will be provided upto 2.5' height with granite marble on top. Change tile on counter front with full body porcelain tile.			
13	Stairs - Marble and Railing			---	---				Marble/Granite type and installation technique will be as per C&W Standards.
14	Ramps - Tile and Railing			---	---				
15	Facade Uplifting		Facade treatment should be executed on front elevation. (OPD Main Entrance Wall)	---	---				
16	Lead lining Walls (X-Ray)			---	---			Lead lining of x-ray room needs to be done.	
17	Antimicrobial Treatment (OTs)			---	---	Anti-microbial treatment is required in operation theatre. (Dampa Ceiling, Anti-microbial wall paneling, anti-static flooring).			
18	External Weather Shield	Weather shield to be done on all external walls other than facade	Weather shield to be done on all external walls other than facade	---	---	Weather shield to be done on all external walls other than facade	Weather shield to be done on all external walls other than facade	Weather shield to be done on all external walls other than facade	

9	Edge Protection/Aluminium Cladding	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.			
10	Columns SS Cladding					
11	Plumbing Works	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.	Required	Required	Damaged Water supply & sewerage pipes causing seepage to be repaired & rectified.
12	Fire Alarm System	Required	Required	Required	Required	Required
13	Elevators					
14	Expansion joint of Building	All expansion joints of building should be properly filled, sealed & covered SS strip. Joint must not be covered with Tile/Flooring	Treat expansion joint of building properly & cover it with SS patti			
15	Any Other item	A few aluminium doors require repair.				
16	External Electrification	All external main cables of hospital which are hanging in Air should be concealed in all respects along with provision of proper Earthing system and lightning arresters. Similarly, existing DB's need to be replace as per site condition if required. One existing Silver cable need to be replaced with copper cable.				

14857

**CHECK LIST FOR IDENTIFICATION OF SCOPE FOR REVAMPING OF HEALTH
FACILITY THQ JAND**

Sr No	Description	Additional Information
1	Water Supply System	OHWR is not required.
2	Sewerage System	Sewerage system needs to be re-assess propose accordingly.
3	External Pathways	Not required.
4	Boundary Wall	Not required.
5	Main Gate	Not required.
6	Sources of Electrical Supply	Required
7	Transformer	Required
8	ATS Panel for Generators	Required
9	Electrical Panel Room	Renovation Required
10	External Wires	Need to underground
11	Water Filtration Plant	RO plant is required.

**ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR
REVAMPING OF ALL THQ HOSPITALS IN PUNJAB
ADP NO.658 FOR THE YEAR 2022-23
ONE AT TEHSIL MANKERA DISTRICT BHAKKAR.**

ABSTRACT OF COST.

1	Main Building (Civil Work)	21796963/- Rs.209099900/- <i>A2 2081700/-</i>
	Electric Installation.	Rs.7551900/- <i>A2 6551400/-</i>
3	Public Health	Rs.816100/-
4	Water filtration plant	Rs.6461700/-
5	Fire alarm & smoke detector system	Rs.1546600/-
6	Sewerage System	Rs.860800/- <i>A2 848800/-</i>
7	Septic tank	Rs.84800/- <i>A2 83800/-</i>
8	Tuff paved Road	Rs.3039700/-

Add 5% PST

Total: Rs.41271500/-
41145063/- A2 40159800/-
2057253/-
A2 2007990/-
Total: Rs.43335075/-
43202316/- A2 42167790/-
Say. Rs.43335100/-
A2 42168000/-
Or. 43.335(M)
43-202 42.168(M)

Sub Engineer
Sub Engineer
Buildings Sub Division
Mankera

Sub Divisional Officer
Sub Divisional Officer
Buildings Sub Division
Mankera

Executive Engineer
Executive Engineer
Buildings Division
Bhakkar

Netted for Rs 42.168 M,

Superintendent of Engineer
Superintendent of Engineer
Buildings Circle
Bargodha

ROUGH COST ESTIMATE FOR THE WORK PROGRAMME FOR REVAMPING OF ALL THQ HOSPITAL IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL MANKERA

DISTRICT BHAKKAR

PROGRAMME FOR REVAMPING OF ALL THQ HOSPITALS IN PUNJAB ADP NO 658 FOR THE YEAR 2022-23

COMPARATIVE STATEMENT.

Sr.No.	Description of Item.	Amount As Per vetted Rough Cost Estimate. (MRS 2nd BI-Annual 2021(1st July 2021 to 31st December 2021)	Amount As Per vetted Rough Cost Estimate. MRS 2nd BI- Annual 2022(1st July 2022 to 31st December 2022)	Excess	Saving	Remarks
1	Provision of Construction /Repair of Roads	1513200	0	--	1513200	
2	Provision of Tuff Paver /P.C.C Roads	4576000	3039700 ✓	--	1536300	
3	Installation for Water Filtration Plant	5878600	6461700 ✓	583100	--	
4	Electrification/Provision Street Lights	3429300	6551400 ✓	3122100	--	
5	Septic Tank		83800 ✓	83800	--	
6	Public Health		816100 ✓	816100	--	
7	Construction of Parking Shed 2 No.	2942700		--	2942700	
8	Provision of Internal development (Tile work)	749000		--	749000	
9	Construction of Podium & Facce work	1738100		--	1738100	
10	Provision of Internal Fixtures of Doors & Windows	481700		--	481700	
11	Miscellance repair/ Civil Work	2636000	20811700- 21796963	148175700- 19160963	--	
12	Construction of Gate & Gate Pillar.02 No.	619600		--	619600	
13	Provision of Sewerage and Water Supply Pipe Line		848800 ✓	848800	--	
14	i) Anti -Microball tretment, ii) Anti -Microball Vinyl floor, iii) Anti -Microball wall panels, iv) Porous monolith False ceiling, v) Lead lining in X-ray room, vi) Provision of Reception Counter.	3718500		--	3718500	

15	Provision of Smoke Detector/fire alarm	Amount As Per vetted Rough Cost Estimate. (MRS 2nd BI-Annual 2021(1st July 2021 to 31st December 2021)	Amount As Per vetted Rough Cost Estimate. MRS 2nd BI- Annual 2022(1st July 2022 to 31st December 2022)	Excess	Saving	Remarks
16	Revamping of Mortuary	1212300	1546600	334300	--	
		469300	41145063	--	469300	
		Total	29964300	40159800	13768400	
		Add 5% PRA Tax	1498215	3007990	--	
		Add 1% Tree Plantation Tax	299643	2057253	299643	
		Total	31762158	43202316	14068043	
	SAY:	31762000	42168000	24474000	14068000	
	OR:	31.762 (M)	42.168 (M)	24.474 (M)	14.068 (M)	

Amount As Per vetted Rough Cost Estimate.
(MRS 2nd BI-Annual 2021(1st July 2021 to 31st December 2021)
Amount As Per vetted Rough Cost Estimate.
MRS 2nd BI-Annual 2022(1st July 2022 to 31st December 2022)

Difference:-
OR Excess over previous vetted estimate

31.762(M)
43.202
43.168(M)
11.44
10.208(M)
32.76%
36%

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mankera

ROUGH COST ESTIMATE FOR THE WORK 'PROGRAMME FOR REVAMPING OF ALL THQ

HOSPITALS IN PUNJAB

ADP NO.658 FOR THE YEAR 2022-23

ONE AT TEHSIL MANKERA DISTRICT BHAKKAR.

MAIN BUILDING CIVIL WORK

1 Dismantling glazed or encaustic tiles, etc.

NED	1	x	2	(	48	+	7	)	5	Sft	550
EMO room	1	x	2	(	12	+	14	)	5	Sft	260
M/O room	1	x	2	(	10	+	14	)	5	Sft	240
Ent Room	1	x	2	(	10	+	14	)	5	Sft	240
Eye Room	1	x	2	(	14	+	16	)	5	Sft	300
Physician office	1	x	2	(	14 1/4	+	10	)	5	Sft	243
Surgeon Office	1	x	2	(	12	+	14	)	5	Sft	260
Gallery	1	x	2	(	15 3/4	+	15	)	5	Sft	308
M.S Office	1	x	2	(	12	+	14	)	1/2	Sft	26
Bath	1	x	2	(	5 1/2	+	6	)	1/2	Sft	12
	1			x	5 1/2	x			6	Sft	33
EPI Room	1	x	2	(	14	+	16	)	4 1/2	Sft	270
Gallery	1	x	2	(	13	+	15	)	5	Sft	280
Dispensary	1	x	2	(	13 3/5	+	14	)	5	Sft	276
Dental room	1	x	2	(	13 3/5	+	14	)	5	Sft	276
			2	x	3/5	x			5	Sft	6
Pharmasisst office	1	x	2	(	6	+	14	)	5	Sft	200
Bath			1	x	6 1/3	x			14	Sft	89
Store	1	x	2	(	6 1/3	+	14	)	5	Sft	203
Dental surgeon office	1	x	2	(	12	+	14	)	5	Sft	260
Gallery	1	x	2	(	16	+	14	)	5	Sft	300
			2	x	22	x			6	Sft	264
Medicine cooridor/gallery	1	x	2	(	22	+	7	)	5	Sft	290
Ward corridor	1	x	2	(	187	+	7 1/2	)	5	Sft	1945
Male ward corridor/gallery	1	x	2	(	21	+	10 5/6	)	5	Sft	318
TB Store	1	x	2	(	28 5/6	+	6 5/6	)	5	Sft	357
Male ward	2	x	2	(	12 1/4	+	3 1/2	)	5	Sft	315
Pillar	1	x	2	(	36 1/3	+	47 1/4	)	5	Sft	836
			4	x	1 1/8	x	1 1/8		5	Sft	25
Male ward bath	4	x	2	(	4 1/2	+	4 3/4	)	5	Sft	370
	5	x	2	(	3	+	4 5/6	)	5	Sft	392
	2	x	2	(	10	+	20	)	5	Sft	598
Gallery	2	x	2	(	5 5/6	+	6 1/2	)	5	Sft	247
Medicine store No.1 Female	1	x	2	(	6 5/6	+	5	)	5	Sft	118
TB room	1	x	2	(	19 1/4	+	12	)	5	Sft	313
Bath	1	x	2	(	6 1/2	+	5	)	5	Sft	115
	2	x	2	(	27 5/6	+	7 1/2	)	5	Sft	707
Female ward	1	x	2	(	36 1/2	+	47 1/4	)	5	Sft	838
Pillar			4	x	1 1/8	x			1 1/8	Sft	5
Corona ward	1	x	2	(	28	+	20	)	5	Sft	480
Bath	1	x	2	(	18	+	7	)	5	Sft	250
			2	x	1 3/4	x			6	Sft	21
			1	x	2 1/2	x			6	Sft	15
Galery	1	x	2	(	5 5/6	+	6 1/2	)	5	Sft	123
Galery			2	x	19	x			5	Sft	190
Emergensy ward	1	x	2	(	16	+	10	)	5	Sft	260
Police counter	1	x	2	(	47	+	20	)	5	Sft	670
Labour room	1	x	2	(	12	+	10	)	5	Sft	220
Dispensary	1	x	2	(	17	+	14 1/2	)	5	Sft	315
	1	x	2	(	24	+	11 1/3	)	5	Sft	353
Galery	1	x	2	(	11	+	10	)	5	Sft	210
	1	x	2	(	40	+	7 1/2	)	5	Sft	475
	1	x	2	(	16	+	14 1/2	)	5	Sft	305
	1	x	2	(	24	+	11 1/2	)	5	Sft	355
Bath	1	x	2	(	3 1/2	+	5	)	5	Sft	85
Gyne office	1	x	2	(	17	+	18	)	5	Sft	350
Bath	1	x	2	(	7	+	8 1/2	)	5	Sft	155
Lab corridor	1	x	2	(	24	+	7 1/2	)	5	Sft	315
Galery	1	x	2	(	13	+	13	)	5	Sft	260
	1	x	2	(	35	+	7	)	5	Sft	420
Lab corridor	1	x	2	(	20	+	7	)	5	Sft	270
Blood bank	1	x	2	(	13	+	14	)	5	Sft	270
Lab	1	x	2	(	22 1/4	+	20 1/2	)	5	Sft	428
Sahulat center	1	x	2	(	8 2/3	+	8	)	5	Sft	167
Bath	1	x	2	(	8 2/3	+	8	)	5	Sft	167
	1	x	2	(	4	+	4	)	5	Sft	80
X-Ray Room	1	x	2	(	22	+	7	)	5	Sft	290
Dark Room	1	x	2	(	8	+	9	)	5	Sft	170

X-Ray / gallery	1 x 2	(70	+ 72/3	) 5	777	\$ft
O.T	1 x 2	(37	+ 7	) 5	440	\$ft
Surgeon office	1 x 2	(14	+ 10	) 5	240	\$ft
Anit micro	1 x 2	(20	+ 18	) 5	380	\$ft
Sterilizer room	1 x 2	(12	+ 93/5	) 5	216	\$ft
Washup store	1 x 2	(12 1/4	+ 8	) 5	203	\$ft
Eye O.T	1 x 2	(18	+ 14	) 5	320	\$ft
Nursing room	1 x 2	(13 2/3	+ 8	) 5	217	\$ft
Anesthiza	1 x 2	(13	+ 8	) 5	210	\$ft
Bath	1 x 2	(5 1/2	+ 8	) 5	135	\$ft
Social welfare	1 x 2	(23	+ 7	) 5	300	\$ft
Yellow room	1 x 2	(10	+ 19 3/4	) 5	298	\$ft
Mortuary	1 x 2	(11	+ 19	) 5	300	\$ft
	1 x 2	(12	+ 73/4	) 5	198	\$ft
	1 x 2	(10	+ 12	) 5	220	\$ft
	1 x 2	(9	+ 5 1/4	) 5	143	\$ft
	1 x 2	(9	+ 5	) 5	140	\$ft
Gallery	1 x 2	x 27 1/4	x	6 1/4	170	\$ft
Admin block	1	x 21	x	5	105	\$ft
	1 x 2	(7 1/4	+ 6 1/4	) 5	135	\$ft
	1 x 2	(7 1/4	+ 6 1/4	) 5	135	\$ft
H.R office	1 x 2	(7	+ 10 1/2	) 5	175	\$ft
Procurement office	1 x 2	(7	+ 10	) 5	170	\$ft
<i>D/d doors</i>	2x93 x	3.50 x 5			-3255	\$ft
					25982	%Sft
					2335.85	
					23728	Total @

2 Dismantling cement concrete 1:2:4 plain.

NED	2 (48	+ 7	) 5	x 1/24	23	Cft
EMO room	2 (12	+ 14	) 5	x 1/24	11	Cft
M/O room	2 (10	+ 14	) 5	x 1/24	10	Cft
Ent Room	2 (10	+ 14	) 5	x 1/24	10	Cft
Eye Room	2 (14	+ 16	) 5	x 1/24	13	Cft
Physician office	2 (14 1/4	+ 10	) 5	x 1/24	10	Cft
Surgeon Office	2 (12	+ 14	) 5	x 1/24	11	Cft
Gallery	2 (15 3/4	+ 15	) 5	x 1/24	13	Cft
M.S Office	2 (12	+ 14	) 5	x 1/24	11	Cft
Bath	2 (5 1/2	+ 6	) 5	x 1/24	5	Cft
	1	x 5 1/2	x	1/24	0	Cft
EPI Room	2 (14	+ 16	) 5	x 1/24	13	Cft
Gallery	2 (13	+ 15	) 5	x 1/24	12	Cft
Dispensary	2 (13 3/5	+ 14	) 5	x 1/24	11	Cft
Dental room	2 (13 3/5	+ 14	) 5	x 1/24	11	Cft
	2	x 3/5	x 1	x 1/24	0	Cft
Pharmasisst office	2 (6	+ 14	) 5	x 1/24	8	Cft
Bath	1	x 6 1/3	x 14	x 1/24	4	Cft
Store	2 (6 1/3	+ 14	) 5	x 1/24	8	Cft
Dental surgeon office	2 (12	+ 14	) 5	x 1/24	11	Cft
Gallery	2 (16	+ 14	) 5	x 1/24	13	Cft
	2	x 22	x 1	x 1/24	2	Cft
Medicine cooridor/gallery	2 (22	+ 7	) 5	x 1/24	12	Cft
Ward corridor	2 (187	+ 7 1/2	) 5	x 1/24	81	Cft
Male ward corridor/gallery	2 (21	+ 10 5/6	) 5	x 1/24	13	Cft
TB Store	2 (28 5/6	+ 6 5/6	) 5	x 1/24	15	Cft
Male ward	4 (12 1/4	+ 3 1/2	) 5	x 1/24	13	Cft
Pillar	2 (36 1/3	+ 47 1/4	) 5	x 1/24	35	Cft
Male ward bath	8 (4 1/2	+ 4 3/4	) 5	x 1/24	0	Cft
	10 (3	+ 4 5/6	) 5	x 1/24	15	Cft
Gallery	4 (10	+ 20	) 5	x 1/24	16	Cft
Medicine store No.1 Female	4 (5 5/6	+ 6 1/2	) 5	x 1/24	25	Cft
TB room	2 (6 5/6	+ 5	) 5	x 1/24	10	Cft
Bath	2 (19 1/4	+ 12	) 5	x 1/24	5	Cft
	2 (6 1/2	+ 5	) 5	x 1/24	13	Cft
Galery	4 (27 5/6	+ 7 1/2	) 5	x 1/24	5	Cft
Female ward	2 (36 1/2	+ 47 1/4	) 5	x 1/24	29	Cft
Pillar	4	x 1 1/8	x 1 1/8	x 1/24	35	Cft
Corona ward	2 (28	+ 20	) 5	x 1/24	0	Cft
Bath	2 (18	+ 7	) 5	x 1/24	20	Cft
	2	x 1 3/4	x 1	x 1/24	10	Cft
	1	x 2 1/2	x 1	x 1/24	0	Cft
Galery	2 (5 5/6	+ 6 1/2	) 5	x 1/24	5	Cft
Galery	2 (16	+ 10	) 5	x 1/24	2	Cft
Emergency ward	2 (47	+ 20	) 5	x 1/24	11	Cft
					28	Cft

Police counter	2	(	12	+	10	)	5	x	1/24	9	Cft
Labour room	2	(	17	+	14 1/2	)	5	x	1/24	13	Cft
Dispensary	2	(	24	+	11 1/3	)	5	x	1/24	15	Cft
Galery	2	(	11	+	10	)	5	x	1/24	9	Cft
	2	(	40	+	7 1/2	)	5	x	1/24	20	Cft
Bath	2	(	16	+	14 1/2	)	5	x	1/24	13	Cft
	2	(	24	+	11 1/2	)	5	x	1/24	15	Cft
Gyne office	2	(	3 1/2	+	5	)	5	x	1/24	4	Cft
	2	(	17	+	18	)	5	x	1/24	15	Cft
Bath	2	(	7	+	8 1/2	)	5	x	1/24	6	Cft
	2	(	24	+	7 1/2	)	5	x	1/24	13	Cft
Lab corridor	2	(	13	+	13	)	5	x	1/24	11	Cft
	2	(	35	+	7	)	5	x	1/24	18	Cft
Galery	2	(	20	+	7	)	5	x	1/24	11	Cft
	2	(	13	+	14	)	5	x	1/24	11	Cft
Lab corridor	2	(	22 1/4	+	20 1/2	)	5	x	1/24	18	Cft
Blood bank	2	(	8 2/3	+	8	)	5	x	1/24	7	Cft
Lab	2	(	8 2/3	+	8	)	5	x	1/24	7	Cft
Sahulat center	2	(	4	+	4	)	5	x	1/24	3	Cft
Bath	2	(	22	+	7	)	5	x	1/24	12	Cft
X-Ray Room	2	(	8	+	9	)	5	x	1/24	7	Cft
	2	(	70	+	7 2/3	)	5	x	1/24	32	Cft
Dark Room	2	(	37	+	7	)	5	x	1/24	18	Cft
X-Ray / gallery	2	(	14	+	10	)	5	x	1/24	10	Cft
O.T	2	(	20	+	18	)	5	x	1/24	16	Cft
Surgon office	2	(	12	+	9 3/5	)	5	x	1/24	0	Cft
Anit micro	2	(	12 1/4	+	8	)	5	x	1/24	9	Cft
Sterilizer room	2	(	18	+	14	)	5	x	1/24	8	Cft
Washup store	2	(	13 2/3	+	8	)	5	x	1/24	13	Cft
Eye O.T	2	(	13	+	8	)	5	x	1/24	9	Cft
Nursing room	2	(	5 1/2	+	8	)	5	x	1/24	9	Cft
Anesthizia	2	(	23	+	7	)	5	x	1/24	6	Cft
Bath	2	(	10	+	19 3/4	)	5	x	1/24	13	Cft
Social welfare	2	(	11	+	19	)	5	x	1/24	13	Cft
Yellow room	2	(	12	+	7 3/4	)	5	x	1/24	8	Cft
Mortuary	2	(	10	+	12	)	5	x	1/24	9	Cft
	2	(	9	+	5 1/4	)	5	x	1/24	6	Cft
Gallery	2	(	9	+	5	)	5	x	1/24	6	Cft
	2	(	1	x	27 1/4	x	1	x	1/24	1	Cft
Admin block	2	(	7 1/4	+	6 1/4	)	5	x	1/24	1	Cft
	2	(	7 1/4	+	6 1/4	)	5	x	1/24	6	Cft
H.R office	2	(	7	+	10 1/2	)	5	x	1/24	7	Cft
	2	(	7	+	10	)	5	x	1/24	7	Cft
Procurement office	2	x	9	x	7	x	1 1/2	x	1/24	8	Cft
Floors	6	x	0.125=39	4	Sft						
M.S office Bath	14	x	0.125=89	11	Sft						
Altrasound bath	5	x	0.125=34	4	Sft						
	5	x	0.125=39	4	Sft						
bath	5	x	0.125=35	4	Sft						
	20	x	0.125=397	49	Sft						
O.T	6	1/2	x.0125	76	10	Sft					
	5	x	0.125	18	2	Sft					
Anitmicrobial	8	1/2	x.0125	60	8	Sft					
	8	x	0.125	69	9	Sft					
Washup Area	4	x	0.125	16	2	Sft					
Eye O.T	7	x	0.125	25	32	Sft					
Anesthizia Bath	12	x	0.125	84	11	Sft					
Mortuary	20	x	0.125	360	4	Sft					
Admin Block	8	x	0.125	98	12	Sft					
	14	x	0.125	25	32	Sft					
	8	x	0.125	44	6	Sft					
	4	x	0.125	28	4	Sft					
	6	1/4	x.0125	45	6	Sft					
	Total	44853	119	%Cft							
	214	@	11174.60								

23914/-
159238/-
554896/-

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

O.T	1	x	37	x	7	259	Sft
Antimicrobial	1	x	7	x	12	84	Sft
Washup Area	1	x	18	x	20	360	Sft
Eye O.T	1	x	12 1/4	x	8	98	Sft
Anesthizia Bath	1	x	18	x	14	252	Sft
Mortuary	1	x	5 1/2	x	8	44	Sft
Admin Block	1	x	7	x	4	28	Sft
	1	x	7 1/4	x	6 1/4	45	Sft
					Total	1170	
					@	340.55	P-Sft

Rs.398444/-

- 4 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 Incharge. a) Full body Glazed tiles
(ii) 600mmx 600 mm

NED	1	x	2	(	48	+	7	)	6	660	Sft
EMO room	1	x	2	(	12	+	14	)	6	312	Sft
M/O room	1	x	2	(	10	+	14	)	6	288	Sft
Ent Room	1	x	2	(	10	+	14	)	6	288	Sft
Eye Room	1	x	2	(	14	+	16	)	6	360	Sft
Physician office	1	x	2	(	14 1/4	+	10	)	6	291	Sft
Surgeon Office	1	x	2	(	12	+	14	)	6	312	Sft
Gallery	1	x	2	(	15 3/4	+	15	)	6	369	Sft
M.S Office	1	x	2	(	12	+	14	)	1 1/2	26	Sft
Bath	1	x	2	(	5 1/2	+	6	)	6	138	Sft
	1			x	5 1/2	x			6	33	Sft
EPI Room	1	x	2	(	14	+	16	)	6	360	Sft
Walls	1			x	3 1/2	x	3/4	x	8 1/2	22	Sft
	2			x	5 1/2	x	3/4	x	6	50	Sft
Gallery	1	x	2	(	13	+	15	)	6	336	Sft
Dispensary	1	x	2	(	13 3/5	+	14	)	6	331	Sft
Dental room	1	x	2	(	13 3/5	+	14	)	6	331	Sft
	2			x	3/5	x		6	7	Sft	
Pharmasisst office	1	x	2	(	6	+	14	)	6	240	Sft
Bath	1			x	6 1/3	x		14	89	Sft	
Store	1	x	2	(	6 1/3	+	14	)	6	244	Sft
Dental surgeon office	1	x	2	(	12	+	14	)	6	312	Sft
Gallery	1	x	2	(	16	+	14	)	6	360	Sft
	2			x	22	x		6	264	Sft	
Medicine cooridor/gallery	1	x	2	(	22	+	7	)	6	348	Sft
Ward corridor	1	x	2	(	187	+	7 1/2	)	6	2334	Sft
Male ward corridor/gallery	1	x	2	(	21	+	10 5/6	)	6	382	Sft
TB Store	1	x	2	(	28 5/6	+	6 5/6	)	6	428	Sft
Male ward	2	x	2	(	12 1/4	+	3 1/2	)	6	378	Sft
Pillar	1	x	2	(	36 1/3	+	47 1/4	)	6	1003	Sft
	4			x	1 1/8	x	1 1/8	6	30	Sft	
Male ward bath	4	x	2	(	4 1/2	+	4 3/4	)	6	444	Sft
	5	x	2	(	3	+	4 5/6	)	6	470	Sft
	2	x	2	(	10	+	20	)	6	718	Sft
Gallery	2	x	2	(	5 5/6	+	6 1/2	)	6	296	Sft
Medicine store No.1 Female	1	x	2	(	6 5/6	+	5	)	6	142	Sft
TB room	1	x	2	(	19 1/4	+	12	)	6	375	Sft
Bath	1	x	2	(	6 1/2	+	5	)	6	138	Sft
Galery	2	x	2	(	27 5/6	+	7 1/2	)	6	848	Sft
Female ward	1	x	2	(	36 1/2	+	47 1/4	)	6	1005	Sft
Pillar	4			x	1 1/8	x		1 1/8	5	Sft	
Corona ward	1	x	2	(	28	+	20	)	6	576	Sft
Bath	1	x	2	(	18	+	7	)	6	300	Sft
	2			x	1 3/4	x		6	21	Sft	
	1			x	2 1/2	x		6	15	Sft	
Galery	1	x	2	(	5 5/6	+	6 1/2	)	6	148	Sft
Galery	2			x	19	x		6	228	Sft	
Emergensy ward	1	x	2	(	16	+	10	)	6	312	Sft
Police counter	1	x	2	(	47	+	20	)	6	804	Sft
Labour room	1	x	2	(	12	+	10	)	6	264	Sft
Dispensary	1	x	2	(	17	+	14 1/2	)	6	378	Sft
	1	x	2	(	24	+	11 1/3	)	6	424	Sft
	1	x	2	(	11	+	10	)	6	252	Sft

Galery	1 x 2	(40	+ 7 1/2)	6	Sft
	1 x 2	(16	+ 14 1/2)	6	Sft
Bath	1 x 2	(24	+ 11 1/2)	6	Sft
Gyne office	1 x 2	(3 1/2	+ 5)	6	Sft
Bath	1 x 2	(17	+ 18)	6	Sft
Lab corridor	1 x 2	(7	+ 8 1/2)	6	Sft
Galery	1 x 2	(24	+ 7 1/2)	6	Sft
	1 x 2	(13	+ 13)	6	Sft
Lab corridor	1 x 2	(35	+ 7)	6	Sft
Blood bank	1 x 2	(20	+ 7)	6	Sft
Lab	1 x 2	(13	+ 14)	6	Sft
Sahulat center	1 x 2	(22 1/4	+ 20 1/2)	6	Sft
Bath	1 x 2	(8 2/3	+ 8)	6	Sft
	1 x 2	(8 2/3	+ 8)	6	Sft
X-Ray Room	1 x 2	(4	+ 4)	6	Sft
Dark Room	1 x 2	(22	+ 7)	6	Sft
X-Ray / gallery	1 x 2	(8	+ 9)	6	Sft
	1 x 2	(70	+ 7 2/3)	6	Sft
O.T.	1 x 2	(37	+ 7)	6	Sft
Surgon office	1 x 2	(14	+ 10)	6	Sft
Anit micro	1 x 2	(20	+ 18)	6	Sft
Sterilizer room	1 x 2	(12	+ 9 3/5)	6	Sft
Washup store	1 x 2	(12 1/4	+ 8)	6	Sft
Eye O.T	1 x 2	(18	+ 14)	6	Sft
Nursing room	1 x 2	(13 2/3	+ 8)	6	Sft
Anesthizia	1 x 2	(13	+ 8)	6	Sft
Bath	1 x 2	(5 1/2	+ 8)	6	Sft
Social welfare	1 x 2	(23	+ 7)	6	Sft
Yellow room	1 x 2	(10	+ 19 3/4)	6	Sft
	1 x 2	(11	+ 19)	6	Sft
Mortuary	1 x 2	(12	+ 7 3/4)	6	Sft
	1 x 2	(10	+ 12)	6	Sft
	1 x 2	(9	+ 5 1/4)	6	Sft
Gallery	1 x 2	(9	+ 5)	6	Sft
Admin block	1 x 2	(27 1/4	x 6 1/4	6	Sft
	1 x 2	(21	x 6	6	Sft
H.R office	1 x 2	(7 1/4	+ 6 1/4)	6	Sft
Procurement office	1 x 2	(7 1/4	+ 6 1/4)	6	Sft
	1 x 2	(7	+ 10 1/2)	6	Sft
	1 x 2	(7	+ 10)	6	Sft

O.T.	1 x 2	(37	+ 7)	6	Sft
	1 x 2	(7	+ 12)	6	Sft
Antimicrobial	1 x 2	(18	+ 20)	6	Sft
Washup Area	1 x 2	(12 1/4	+ 8)	6	Sft
Eye O.T.	1 x 2	(18	+ 14)	6	Sft
Anesthizia Bath	1 x 2	(5 1/2	+ 8)	6	Sft
Mortuary	1 x 2	(7	+ 4)	6	Sft
Admin Block	1 x 2	(7 1/4	+ 6 1/4)	6	Sft
Total				340.55	P-Sft

27998
Rs. 27998/-
9534719/-

5 Providing and laying superb quality Ceramic tile floors of Master brand of specified size, Glossy/Matt/Texture of approved Color and Shade as per approved design with adhesive bond, over 3/4" thick (1:2) cement sand plaster i/c the cost of sealer for finishing the joints
i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge.
1) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

M.S office Bath	1 x 6	(5 1/2	x 6	33	Sft
	1 x 14	(6 1/3	x 14	89	Sft
Altrasound bath	1 x 5	(6 5/6	x 5	34	Sft
	1 x 5	(6 1/2	x 5	33	Sft
	2 x 5	(3 1/2	x 5	35	Sft
	2 x 20	(9 11/12	x 20	397	Sft
	2 x 6 1/2	(5 5/6	x 6 1/2	76	Sft
	1 x 5	(3 1/2	x 5	18	Sft
	1 x 8 1/2	(7	x 8 1/2	60	Sft
	1 x 8	(8 2/3	x 8	69	Sft
	1 x 4	(4	x 4	16	Sft
Total				860	Sft
@				240.00	P-Sft

17 Providing and fixing 2" wide MS/ GI Chowkat singel/double rebate made of 16 SWG MS sheet pressed/welded / supported with M.S. flat 1-1/4"x1/8" i/c 6"long M.S. Flat 1"x1/8"hold fasts (6-Nos) welded/ screwed, punching of lock hole covered with MS Box,coating with antirust paint including filling with cement sand mortar (1:8) and embedding hold fast in cement concrete (1:2:4) ,complete in all respect as approved and directed by Engineer Incharge. 15" wdl

1072 Sft
@ 727.25 = 779612/-
15313221/-

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

i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

	1	x	2	(	5 1/2	+	6	)	11	Sft
M.S office Bath	1	x	2	(	5 1/2	+	6	)	11	253
	1	x	2	(	6 1/3	+	14	)	6	244
Ultrasound bath	1	x	2	(	6 5/6	+	5	)	6	142
	1	x	2	(	6 1/2	+	5	)	6	138
bath	1	x	2	(	3 1/2	+	5	)	6	102
	1	x	2	(	9 11/12	+	20	)	6	359
	1	x	2	(	5 5/6	+	6 1/2	)	6	148
	1	x	2	(	3 1/2	+	5	)	6	102
	1	x	2	(	7	+	8 1/2	)	6	186
	1	x	2	(	8 2/3	+	8	)	6	200
	1	x	2	(	4	+	4	)	6	96
	Total									1970 -330 292.75
	@									P-Sft

D/dp/j

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

	1	x	6	x	12	Sft
Ramp	1	x	9	x	8	72
	1	x	6	x	10	60
	1	x	6	x	6	36
	1	x	10	x	23	230
Total						470
@						211.60
Dismantling brick work in lime or cement mortar.						Rs.99452/-
Walls	1	x	3 1/2	x	3/4 x 8 1/2	Cft 22
EPI room	2	x	5 1/2	x	3/4 x 4	Cft 33
Ramp side step	1	x	3 1/2	x	3/4 x 8 1/2	Cft 22
step	1	x	9	x	1/2 x 2	Cft 9
labour room	1	x	9	x	1/2 x 1	Cft 5
Gynea office	1	x	4	x	3/4 x 3	Cft 9
Admin block	1	x	4	x	3/4 x 3	Cft 9
	1	x	4	x	3/4 x 5 1/2	Cft 17
Total						126
@						4317.45
%Cft						Rs.5440/-

9 Removing of doors, with chowkiat

	49	Nos		49	Nos	
Total	49	Nos		49	Nos	
@	438.00	Each		438.00	Each	Rs.21462/-

	114	Nos		114	Nos	
Total	114	Nos		114	Nos	
@	341.50	Each		341.50	Each	Rs.38931/-

	5	x	4 1/2	x	1 1/8	x	8 1/4
Medical corridor							
Ramp	2	x	9	x	3/8	x	2 1/2
Surgeon office	1	x	3	x	3/4	x	4
Blood bank	9	x	2 1/2	x	3/8	x	2 1/2
X-Ray room gallery	2	x	4	x	3/4	x	8 1/3
	4	x	4	x	3/4	x	8 1/3
O.T	1	x	10	x	3/4	x	6
	2	x	4	x	3/4	x	4
	2	x	4	x	3/4	x	4
Sterilization room	1	x	4	x	3/4	x	5 1/3
	3	x	4	x	3/4	x	4
	1	x	6	x	3/4	x	10
Anesthesia	1	x	8	x	3/4	x	5

Social welfare office	1	x	4	x	3/4	x	8 1/4	25	Cft
Mortuary	1	x	4	x	3/4	x	8 1/3	25	Cft
								676	Cft
								29983.35	%Cft
								Rs.202687/-	

12 Providing and fixing collapsible gate made of 2"x2"x3/4" (50x50x6 mm) tee iron at top and bottom, channel iron verticals 3/4"x1/4"x1/8" (20x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, handles 12" (300 mm) long of 3/4"x1/4"x1/8" (20x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.

NED corridor	1	x	5	x	8 1/2	43	Sft
Corona ward	1	x	4	x	8 1/2	34	Sft
						77	Sft
						1597.10	P-Sft
						Rs.122977/-	

13 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

Doors							
X-Ray	1	x	5	x	8 1/4	41	Sft
NED	1	x	3 1/2	x	8 1/2	30	Sft
Gallery	2	x	5	x	3 1/2	35	Sft
M.S Office	1	x	3 1/2	x	8 1/2	30	Sft
EPI Room	1	x	2 3/4	x	6 1/2	18	Sft
Dispensary	1	x	3 1/2	x	8 1/2	30	Sft
	1	x	3 1/2	x	7 1/2	26	Sft
	1	x	3	x	8 1/2	26	Sft
pharmisict office	1	x	3 1/2	x	5	18	Sft
	1	x	3	x	8 1/2	26	Sft
Store keeper room	1	x	3 1/2	x	8 1/2	30	Sft
Store	1	x	3	x	8 1/2	26	Sft
Dental surgeon	1	x	3 1/2	x	8 1/2	30	Sft
T.B room	1	x	3	x	8 1/4	25	Sft
	1	x	4 1/2	x	8 1/4	37	Sft
Male ward	1	x	4 1/2	x	8 1/2	38	Sft
	1	x	3	x	8 1/4	25	Sft
Medicine store No.3	1	x	2 5/6	x	6 3/4	19	Sft
T.B room	1	x	3 1/2	x	8 1/4	29	Sft
Female ward	1	x	5	x	8 1/4	41	Sft
Emergency ward	1	x	4 1/2	x	8 1/2	38	Sft
Gyea office	1	x	2 1/2	x	8 1/2	21	Sft
Labor room	1	x	4	x	8 1/4	33	Sft
	1	x	5	x	8 1/4	41	Sft
Blood Bank	1	x	3 1/2	x	8 1/4	29	Sft
Saholat center	1	x	5 1/2	x	8 1/4	45	Sft
	1	x	4	x	8 1/4	33	Sft
O.T	1	x	7	x	12	84	Sft
Washup area	1	x	3	x	6	18	Sft
Dressing room	1	x	3 1/4	x	8 1/4	27	Sft
Admin block	1	x	4	x	7	28	Sft
	1	x	3	x	6	18	Sft
Main entrance	1	x	9	x	8 1/2	77	Sft
						1072	Sft
						678.55	P-Sft
						Rs.447760/-	

727406/-

14 Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

Windows							
	80	x	4	x	5 1/2	1760	Sft
	1	x	4	x	6	24	Sft
						<hr/>	
						Total	1784
						@	1348.40
							P-Sft

15 Providing and fixing Aluminium Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminium frame of approved manufacturer / powder coated of size 1-1/2"x1/2" and 1.6mm thick with rubber gasket i/c cost of Hardwares as approved and directed by the engineer incharge. complete in all respect.

Windows									
Take Qty: of above item	1784	x	1/2			892	Sft		
						892	Sft		
						493.05	P-Sft		
						Rs.439801/-			

19857033/-

16 Providing and fixing M.S. flat $\frac{1}{2}$ "x1/8" (13mm x 3mm) grill including $\frac{3}{4}$ " x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects

Re-fixing grill
Take Qty: of above item

1784
Total 1784 \$ft
@ 365.00 P-Sft
Rs. 651160/-

877817

17 Providing and fixing of PVC $\frac{1}{4}$ " thick doors i/c chowkhat of required size complete in all respect as approved by the engineer incharge.

Male / Female ward Bath

10 x 2 2/3 x 6 \$ft
1 x 2 1/2 x 6 \$ft
1 x 2 1/2 x 6 \$ft
1 x 2 1/2 x 6 \$ft

M.O Room Bath

1 x 2 1/2 x 6 \$ft

Gynea Office

1 x 2 1/2 x 6 \$ft

Total 205 \$ft
@ 990.00 P-Sft
Rs. 203900/-

18 Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkhat only) of 20 SWG welded with M.S. flat 6 "x $1\frac{1}{4}$ " x $1\frac{1}{8}$ " (150 mmx30mmx3mm) M.S. holdfast 9 "x $1\frac{1}{8}$ " (225mmx25mmx3mm) welded/screwed 4 " (100 mm) long iron hinges, including filling chowkhat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: a) single rebate

X-Ray

1 x 3 1/2 x 6 \$ft

Mortuary

1 x 5 1/2 x 7 \$ft

Total 60 \$ft
@ 375.05 P-Sft
Rs. 22503/-

ii P/F $1\frac{1}{2}$ " (40mm) thick semi solid panelled or panelled and glazed doors comprising of solid wood styles and rails of specified width and panels of 2.5 mm thick veneer ply matching with wood used with grooves, pasted on both sides of 1" thick Lasani wood panel with tapered edges i/c the cost of tower bolt, handles complete in all respect (Excluding the cost of chowkhat frame, sliding bolt and lock) as approved and directed by Engineer Incharge

(i) Deodar Wood

X-Ray

1 x 3 1/2 x 6 \$ft

Mortuary

1 x 5 1/2 x 7 \$ft

Total 60 \$ft
@ 1662.40 P-Sft
Rs. 99744/-

19 Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge

4 Nos.
Total 4 Nos.
@ 2932.00 Each
Rs. 11728/-

20 Glazing with panes (16 oz. to 18 oz.) including cost of putty

1 x 8 x 7 \$ft
1 x 12 x 7 \$ft
1 x 5 x 7 \$ft

Total 175 \$ft
@ 112.85 P-Sft
Rs. 19749/-

21 Providing and fixing partition, including frame work:-

a) Sheets on one side of framework:- Ply wood $\frac{1}{4}$ " (6 mm) thick

Blood bank 1 x 10 x 2 1/2 \$ft
lab 1 x 19 3/4 x 4 \$ft

Total 104 \$ft
@ 36498.55 %Sft
Rs. 37958/-

22 Providing and fixing 24" Deep Box type Wardrobe consisting of $\frac{3}{4}$ " thick UV coated MDF board (Medium density Fiber board) Sheet both side glazed shutters and box comprising of $\frac{3}{4}$ " thick laminated MDF sheet i/c the cost of 1mm thick PVC tape duly hot pressed on all edges of the shutters/panels/ drawers etc., with machine i/c the cost of self closing box type hinges, handles, screws, Glue and rawal plugs, Drawers & locking arrangement complete in all respect as approved and directed by Engineer Incharge

1 x 3 1/2 x 7 \$ft
1 x 7 x 6 \$ft
1 x 7 x 7 \$ft
1 x 16 x 7 \$ft

Total 228 \$ft
@ 1242.20 P-Sft
Rs. 283222/-

23 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 (chimtia) @ 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 gables fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge.

1 x 30

Total 30 P-ft
@ 2361.45 P-Rft
Rs. 70844/-

21322251

24 Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside, lead upto two mile.

	1	x	9	x	7	x	1 1/2		
									Cft
Total									<u>95</u>
@									<u>95</u>
									17131.25
									%0Cft
									Rs.1627/-

25 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.

1	x	9	x	7	x	1/3	Cft
							21
Total							21 Cft
							@ 9314.40 %Cft Rs.1956/-

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

1	x	9	x	7	x	1/3	Cft
							<u>21</u>
Total							21 Cft
							@ 38178.90 %Cft Rs.8018/-

27 Providing and fixing 1-1/2" thick G.I sheet forged door comprising of G.I pressed doubleskin pannelled sheet of 22 SWG in specified width of rails, Styles and panels pressed on both sides of fillet (Honey Comb paper), dully fixed in chowkat with Archtrative on one side, with heavy duty 4 No. steel hinges i/c M.S Tower bolt 9" long, M.S Sliding bolt 12" long, Rowel bolt for Hold Fasts, dully powder coated paint and punching of required holes as approved and directed by the Engineer Incharge .

Medicine corridor Gate	1	x	6	x	8	\$ft
						48
						<hr/>
						\$ft
						48
						<hr/>
						P\$ft
						Rs.90492/-

28. Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2'(2x3)' 3"x3' of specified design and thickness 1/2" cost of fixtures i.e galvanized angle 1" x 1" at wall sides, galvanized tee 1 1/4" x 1" and 1 1/2" x 1" both at 4' c/c (made of Taiwan CKRM or equivalent), hanging with G.I.Copper wire 16 SWG, G.I hook, Rawal Plug etc: complete in all respects as approved and directed by the Engineer. Incharge. 9mm thick

	1	x	12	x	14	\$ft
M.S office	1	x	12	x	14	168
Admin office	1	x	10	x	14	140
	1	x	7 1/2	x	9 1/2	71
Physician office	1	x	14 1/4	x	10	143
Surgeon Office	1	x	12	x	14	168
Pharmacist office	1	x	6	x	14	84
Dental surgeon office	1	x	16	x	14	224
Gyne office	1	x	17	x	18	306
Blood bank	1	x	13	x	14	182
Nursing room	1	x	13 2/3	x	8	109
H.R office	1	x	7	x	10 1/2	74
	Total					1669

95.25 PSft Rs 158977

29 P/F PVC wall paneling approved colour / texture, plain / grooved design (Pak Made) of 8 mm thick 10" wide strip male / female with inbuild grooves i/c cost of top bottom U Channel gola and corner gola of same material i/c cost of steel nails rowal plugs, screws & elfi i/c carriage and labour charges as per entire satisfaction of Engineer Incharge.

M.S office	1	x	2	(	12	+	14	)	11	\$ft	572
Admin office	1	x	2	(	10	+	14	)	11	\$ft	528
	1	x	2	(	7 1/2	+	9 1/2	)	11	\$ft	374
Physician office	1	x	2	(	14 1/4	+	10	)	11	\$ft	534
Surgeon Office	1	x	2	(	12	+	14	)	11	\$ft	572
									Total	\$ft	2580

	(a)	P-Sft	Rs.442800
30 Distemping 2 coats on old surface.	1400	3612	

	1	x	2	(	6	+	14	)	6	Sft
Pharmasistt office	1	x	2	(	6	+	14	)	6	240
Dental surgeon office	1	x	2	(	16	+	14	)	6	360
Gyne office	1	x	2	(	17	+	18	)	6	420
Blood bank	1	x	2	(	13	+	14	)	6	324
Nursing room	1	x	2	(	13 2/3	+	8	)	6	260
H.R office	1	x	2	(	7	+	10 1/2	)	6	210
Male ward	1	x	2	(	36 1/3	+	47 1/4	)	6	1003

		Total	2817	Sft
		@	705.15	%Sft
31 Scraping old distemper				
Take Qty: of above item	2817	x 40%	1127	Sft
				Rs.19864

Total	1127	Sft
@	761.90	%Sft
		Rs.8587/-

2152895/-

32 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:
a) old surface:

D/d	1	x	231 1/2	x	14	Sft	3241
NED	1	x	214 1/2	x	14	Sft	3003
Gallery						Sft	6244
Medicine store No.3	1	x	3 1/2	x	8 1/2	Sft	30
Admin block	1	x	3 1/2	x	8 1/4	Sft	35
Main entrance	1	x	4	x	7	Sft	29
	1	x	9	x	8 1/2	Sft	28
						Sft	77
Windows	20	x	4	x	5 1/2	Sft	440
						Sft	639

Net. (6244 - 639)

@ 1925.45 %Sft Rs.107921/-

33 Providing embedding 10" (250 mm) wide 1/4" (6 mm) thick rubber water stopper in expansion joints of R.C.C. roof slab complete in all respects.

	2	x	2	x	12	Rft	48
	2	x	2	x	7	Rft	28
	1	x	1	x	30	Rft	30
						Rft	48
						P.Rft	281.25

@ Rs.13500/-

34 Grouting 1 1/2" thick roof tile work with cement mortar ratio 1:5

	1	x	100	x	120	Sft	12000
						Sft	12000
						%Sft	200.22

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

65x6 = 390 Rft

@ 65.10 P.Rft Rs.25389/-

Total

CREDIT OF OLD MATERIAL

1 Old doors

	49	Nos.	
Total	49	Nos.	
@	4000.00	Each	

Rs.196000/-

2 Old windows (M.S box section)

	114	Nos.	
Total	114	Nos.	
@	2500.00	Each	

Rs.285000/-

3 Old bricks

	1021	378	Nos.
Total	1021	378	Nos.
@	2000.00	%Nos.	

Rs.11344/-

4 Brick bats

	42	50	Cft
Total	42	50	Cft
@	2000.00	%Cft	

Rs.840/-

Net (20783847 - 482974)

Add 3% contingency charges

20749153 - 543595
21705695

Total

Rs.482974/- 543595

Rs.20300373/-

21162100 - 20205558/-

20749153 - 543595

Rs.400626/-

Total

Rs.20099999/-

Say.

Rs.20099990/-

21796968/- 20811700/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mankera

Executive Engineer
Buildings Division
Bhakkar

ROUGH COST ESTIMATE FOR THE WORK "PROGRAMME FOR REVAMPING OF ALL THE

HOSPITALS IN PUNJAB

ADP NO.658 FOR THE YEAR 2022-23

ONE AT TEHSIL MANKERA DISTRICT BHAKKAR.

ELECTRIC INSTALLATION

- 1 Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repainting surface, etc., complete with all specials.
ii) 20 mm i/d

	11500	Rft
Total	11500	Rft
@	81.70	P-Rft
		Rs.939550/-

-----60----- 25 mm i/d

	8000	Rft
Total	8000	Rft
@	94.60	P-Rft
		Rs.756800/-

- 2 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge
(a) One way Gange Switch
Small (iii) 03 Gange

	180	Nos
Total	180	Nos
@	742.50	Each
		Rs.133650/-

- 3 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge
(a) One way Gange Switch
Large (iii) 06 Gange

	110	Nos
Total	110	Nos
@	1162.50	Each
		Rs.127875/-

- 4 S/E of Ceiling fans 56" sweep of approved quality.

	10	Nos
Total	10	Nos
@	6500.00	Each
		Rs.65000/-

- 5 Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer

12" dia Plastic body

	20	Nos
Total	20	Nos
@	6500.00	Each
		Rs.130000/-

A 2 3139

- 6 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge
(a) One way Gange Switch
Small Three Pin Power Plug 15-32 Amp

	250	Nos
Total	250	Nos
@	754.50	Each
		Rs.188625/-

62660/-

- 7 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge
(a) One way Gange Switch
Small Three pin Light Plug 10/13 Amp

	220	Nos
Total	220	Nos
@	610.50	Each
		Rs.134310/-

- 8 P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge
(a) One way Gange Switch
Small Fan Dimmer

	220	Nos
Total	220	Nos
@	598.50	Each
		Rs.131670/-

- 9 Supply and erection of switches 5 Amp.
ii) piano type

	65	x	10
Total	650	Nos	
@	72.00	Each	
			Rs.46800/-

- 10 Supply, 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 prelad DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge.
a) Single Pole (ii) 6-40 Amp (6 KA)

	140	Nos
Total	140	Nos
@	1101.75	Each
		Rs.154245/-

ROUGH COST ESTIMATE FOR INSTALLATION OF WATER FILTRATION PLANT

S.No	DESCRIPTION	PLINTH AREA RATES AS PER 2nd BI-ANNUAL PERIOD 2022				
		Qty/Area	Unit	B.P	E.I	Total Rate
1	Construction of Room for Water Filtration plant. Size(15'-6"x22'-3")	345	PSft	3640	122	3762
2	Cost of Water purification plant with hygienic ultra filtration 4000 LPH <i>i/c cost of chiller</i>	1	P-job	900000	900000	1750000
3	Cost of Chiller	1	P-job	850000	850000	1750000
4	Cost of water supply line to providing the facility of Purified water.(Detail Attached)	1	P-job	2786400	2786400	2786400
5	Provision of Water supply pump 1HP i/c boring.	2	P-job	88100	88100	176200
6	Providing and hoisting vertical/ horizontal type storage tank of required capacity made of rotationally molded from (HDPE), double ply polyethylene of approved manufacturer i/c cost of making connection for inlet/outlet pipe, float valve i/c all cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	1000	P-Gln	106.6	106.6	106600
						Total
						6117090
	Add 3% Contingency charges on Rs					144576
	Add WAPDA Connection Charges payable to WAPDA for meter.					200000
						Total
						6461666
						Say. 6461700

Sub Engineer
[Signature]

Sub Divisional Officer
Buildings Sub Division
Mankera
[Signature]

Executive Engineer
Buildings Division Bhakkal
[Signature]

PROVISION OF WATER SUPPLY PIPE LINE

1 Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.

3" dia.	1 x 1000	x 1-1/2	x 2-1/2	=	3750 Cft
2" dia.	1 x 2500	x 1-1/2	x 2	=	7500 Cft
1" dia.	1 x 1500	x 1	x 2	=	3000 Cft
3/4" dia.	1 x 1500	x 1	x 2	=	3000 Cft
Total					17250.0 Cft @ 7622.75%0Cft Rs.131492/-

2 Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I bends, valves, crosses, unions and pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. ii) Medium Quality h)

3" dia.	1 x (1	x 300	)	=	300 Rft
Total					300.0 Rft @ 1084.10/Rft Rs.325230/-
2" dia.	1 x (1	x 1500	)	=	1500 Rft
Total					1500.0 Rft @ 600.00/Rft Rs.900000/-
1" dia.	1 x (1	x 1000	)	=	1000 Rft
Total					1000.0 Rft @ 324.20/Rft Rs.324200/-
3/4" dia.	1 x (1	x 1200	)	=	1200 Rft
Total					1200.0 Rft @ 216.00/Rft Rs.259200/-

3 Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe (Dadex / Popular/ Beta or equivalent) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned). PN-20 pipe

20mm dia.	1 x (1	x 1500	)	=	1500 Rft
Total					1500.0 Rft @ 48.10/Rft Rs.72150/-
25mm dia.	1 x (1	x 1500	)	=	1500 Rft
Total					1500.0 Rft @ 66.50/Rft Rs.99750/-
32mm dia.	1 x (1	x 2500	)	=	2500 Rft
Total					2500.0 Rft @ 106.90/Rft Rs.267250/-
63mm dia.	1 x (1	x 1000	)	=	1000 Rft
Total					1000.0 Rft @ 377.95/Rft Rs.377950/-

4 Rehandling of earth work lead upto a single throw of kassi.

Take same 2/3 of Qty: item No.1	17250 x	2/3 =	11500 Cft
Total			11500 Cft @ 2539.70%0Cft Rs.29207/-

Total. Rs.2786429/-

Say Rs.2786400/-

(Signature)
Sub Engineer,

Sub Divisional Officer
Buildings Sub Division
Mankera

(Signature)
Executive Engineer
Buildings Division Bhakkar

P/F OF WATER SUPPLY PUMP 1 H.P MOTOR WITH BORING I/C M.S ANGLE IRON FRAME
1"X1"X1/8" FIXED ON FOUNDATION I/C NUT BOLTS COMPLETE IN ALL RESPECT AS
APPROVED BY THE ENGINEER INCHARGE.

- | | 1 | x | 60 | | 60 | Rft | |
|---|---|---|----|---------|---------|-------|-------------|
| 1 | Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft (30 m) depth, including sinking and withdrawing of casing pipe, complete:-
4" dia. | | | | | | Rs. 18999/- |
| | | | | Total:- | 60 | Rft | |
| 2 | Providing and installing P.V.C. strainer B.S.S. Class 'D', in tubewell bore hole, including sockets and solvent, etc. complete. 4" dia. | | | @ | 316.65 | P-Rft | |
| | | | | Total:- | 20 | Rft | |
| 3 | Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.
4" dia. | 1 | x | 20 | | | Rs. 8169/- |
| | | | | @ | 408.45 | P-Rft | |
| | | | | Total:- | 40 | Rft | |
| 4 | Providing and installing P.V.C. blind pipe, B.S.S. Class 'D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.
1-1/4" dia. | 1 | x | 40 | | | Rs. 31776/- |
| | | | | @ | 794.40 | P-Rft | |
| | | | | Total:- | 40 | Rft | |
| | | | | @ | 128.90 | P-Rft | |
| | | | | Total:- | 40 | Rft | |
| | | | | @ | 158.25 | P-Rft | |
| 5 | Cost of foundation of brick masonry and top PCC 1:2:4 (size 2' x 1-1/2' x 1-1/2') | | | (L.S) | | | Rs. 6330/- |
| | | | | Total:- | 1 | No. | |
| | | | | @ | 3000.00 | Each | |
| 6 | Cost of angle iron frame 1"x1"x1/8" cover with M.S sheet 16-SWG (size 2' x 1-1/2' x 2')
i/c painting 3 coats | | | (L.S) | | | Rs. 3000/- |
| | | | | Total:- | 1 | No. | |
| | | | | @ | 2000.00 | Each | |
| 7 | P/F Ejector Pump of specified Suction and Delivery heads, coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges, necessary wire, PVC pipes etc complete in all respect as approved and directed by the Engineer Incharge.
i) G-II (1-1/4"x3/4") with 1 HP Electric Motor, 21-Mtr Suction and 21 M delivery head | | | (L.S) | | | Rs. 2000/- |
| | | | | Total:- | 1 | No. | |

- | | | | |
|----------------|----------------|----------|-------------|
| | 1 | No. | |
| Total:- | 1 | No. | |
| | @ | 12526.30 | Each |
| | | | Rs. 12526/- |
|
 | | | |
| | 1 | No. | |
| Total:- | 1 | No. | |
| | @ | 95.15 | Each |
| | | | Rs. 95/- |
|
 | | | |
| | Total:- | | Rs. 88051/- |
| | | | Say. |
| | | | Rs. 88100/- |

J. Schaefer
Sub Engineer.

Sub Divisional Officer,
Buildings Sub Division,
Mankera

Executive Engineer,
Public Works Division, Bhakkar

ANALYSIS OF RATE FOR THE ITEM "FIRE FITTING / FIRM ALARM BY HITEK) COMPLETE AS APPROVED BY ENGINEER INCHARGE.

(FIRE FITTING / FIRM ALARM BY HITEK)

1	Fire Extinguisher DCP type 06 kg with Nozzle and wall bracket (Imported).	14 - Nos	@	4250.00	Each	59500/-
2	Fire Extinguisher CO2 type 05 kg with Nozzle and wall bracket (Imported).	14 - Nos	@	8000.00	Each	112000/-
3	Jet Nozzle brass material Pak made.	14 - Nos	@	5200.00	Each	72800/-
4	Firefighting Delivery Hose 1.5" 50 feet imported.	14 - Nos	@	15300.00	Each	214200/-
5	Fire Hose cabinet to Accommodate 01 delivery hose and a jet nozzle.	14 - Nos	@	8000.00	Each	112000/-
6	Smoke Detector Battery operated.	4 - Nos	@	2500.00	Each	10000/-
7	Fire Alarm.	6 - Nos	@	3300.00	Each	19800/-
8	04-Zone Fire Alarm Control panel, 04-Zone Fire Alarm Control panel complete with (Batteries 30 Hours UPS Services) 240V, Brand C-TEC made in UK approved LPCB.	2 - Nos	@	70000.00	Each	140000/-
9	Smoke Detector optical type with base.	30 - Nos	@	5000.00	Each	150000/-
10	Heat Detector optical type with base.	30 - Nos	@	4700.00	Each	141000/-
11	Fire Alarm sounder with base.	2 - Nos	@	5500.00	Each	11000/-
12	Manual Call point with cover, manual call point Break Glass type.	2 - Nos	@	3000.00	Each	6000/-
13	Installation charges, including 1.5mm cable with pvc pipe/duct complete fitting, testing commissioning complete system and training of fire alarm system.	1 - Job	@	115000.00	P. Job	115000/-
14	Supply & Installation of fire Hydrant system, surface type fire Hydrant single delivery size inlet 3" outlet 2-1/2" with blank cap.	4 - Nos	@	22000.00	Each	88000/-
ADD 20% CONTRACTOR'S PROFIT + OVER HEAD CHARGES						
OVER ALL TOTAL						
Total:-						1251300/-
Total:-						250260/-
Total:-						1501560/-
Add 3% contingency charges						45047/-
Total:-						1546607/-
Say Rs						1546600/-

Sub Engineer
Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Mankera

Executive Engineer
Buildings Division Bhakkar

EXTERNAL SEWERAGE LINE.

- 1 Earth work excavation in open cutting for sewers and manholes as shown in drawing including shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension 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

Sewer Line.

12" pipe 1 x 300 x 1 1/2 x 1 1/2
9" 1 x 300 x 1 1/2 x 1 1/2
1 x 200 x 1 1/2 x 1 1/2

675 Cft
675 Cft
450 Cft

Total:-

@ ~~11740.40~~ 900Cft =

- 2 Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 12" dia.

1 x 300

300 Rft
300 Rft

Total:-

@ 695.60 P-Rft =

- 3 Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 9" dia.

1 x 300
1 x 200

300 Rft
200 Rft
500 Rft

Total:-

@ 528.30 P-Rft =

- 4 Construction of man hole

(detail attached)

- 4 Construction of man hole (circular)

(detail attached)

5 Nos.
5 Nos.

Total:-

@ ~~22200.00~~ Each =

33000

5 Nos.
5 Nos.

Total:-

@ ~~35062.00~~ Each =

34354

Total:-

Add 3% contingency charges

Rs. 8355773/-
824078

Total:-

@ ~~24722~~ =

Total:-

@ ~~848798~~ =

Say.

Johna
Sub Engineer

Subh
Sub Divisional Officer
Buildings Sub Division
Mankera

Y. S. S. S.
Executive Engineer
Buildings Division Bhakkar

ANALYSIS OF RATE FOR MAN HOLE.

1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth

$$1 \times 4 \times 5 \times 4 = 80 \text{ Cft}$$

$$\text{Total:} = 80 \text{ Cft}$$

2 Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.

$$@ 11740.40 \text{ %Cft}$$

Rs. 939/-

$$8042.17$$

643/-

$$1 \times 4 \times 5 \times 0.5 = 10 \text{ Cft}$$

$$\text{Total:} = 10 \text{ Cft}$$

Rs. 889/-

3 Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:6

$$2 \times 4 \times 0.75 \times 4 = 24 \text{ Cft}$$

$$2 \times 5 \times 0.75 \times 4 = 30 \text{ Cft}$$

$$\text{Total:} = 54 \text{ Cft}$$

Rs. 15598/-

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

$$1 (4 + 5) \times 2 \times 3.5 = 63 \text{ Sft}$$

$$1 (4 + 5) \times 2 \times 1.5 = 27 \text{ Sft}$$

$$\text{Total:} = 90 \text{ Sft}$$

Rs. 2921/-

5 Plain cement conc: (1:2:4) i/c placing, compacting, finishing and curing complete.

$$1 \times 4 \times 5 \times 0.25 = 5 \text{ Cft}$$

$$\text{Total:} = 5 \text{ Cft}$$

Rs. 1909/-

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

$$1 \times 4 \times 5 = 20 \text{ Sft}$$

$$\text{Total:} = 20 \text{ Sft}$$

Rs. 587/-

7 P/L R.C.C. in roof slabs, beams, lintels, columns, etc excluding cost of steel reinforcement type 'C' Nominal mix ratio (1:2:4) i/c requiring shuttering and form work in roof slab, beams, columns, lintels etc.

$$1 \times 4 \times 5 \times 0.33 = 7 \text{ Cft}$$

$$\text{Total:} = 7 \text{ Cft}$$

Rs. 3896/-

8 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):-

$$\text{Take as Qty: as above item. } 7 \times 6.75 \times 0.453 = 21 \text{ Kg}$$

$$\text{Total:} = 21 \text{ Kg}$$

Rs. 6596/-

$$@ 31407.85 \text{ %Kg}$$

Total:

Rs. 23335/-

33029

Say.

Rs. 23300/-

33000/-

Sub Engineer
Sub Engineer

Sub Divisional Officer
Sub Divisional Officer
Buildings Sub Division
Mankera

Executive Engineer
Executive Engineer
Buildings Division Bhakar

ANALYSIS FOR CONSTRUCTION OF MAN HOLE 4' DIA UPTO 7' DEPTH

1 Excavation in open cutting for sewer and manhole.

$$3 \frac{1}{7} \times (\frac{7}{4} \times \frac{7}{4} \times \frac{7}{4}) \times 5 = 193 \text{ Cft}$$

2 Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.

$$3 \frac{1}{7} \times (\frac{7}{4} \times \frac{7}{4} \times \frac{7}{4}) \times 0.50 = 19 \text{ Cft}$$

$$\text{Total:-} = 19 \text{ Cft}$$

3 Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:6

$$3 \frac{1}{7} \times (\frac{4.75}{2} + \frac{2.88}{2}) \times \frac{3}{4} \times 5 \frac{1}{2} = 49 \text{ Cft}$$

D/d for pipe 2X22/7x3/4x3/4x1/4x3/4 1

$$\text{Total:-} = 48 \text{ Cft}$$

$$@ 28884.35 \% \text{ Cft} = \text{Rs.13993/-}$$

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

1x22/7x4x4x1/4x1/4 3 Cft

1x22/7x2-7/12x3/4x1/3 2

$$= 5 \text{ Cft}$$

$$\text{Total:-}$$

$$@ 38178.90 \% \text{ Cft} = \text{Rs.1909/-}$$

5 Cement plaser 1:4 upto 20' height 1/2" thick.

O/S 1x22/7x(4-3/8+2-3/8)x4-1/2 48 Sft

2

O/S 1x22/7x(5-7/8+3-7/8)x1-1/2 23 Sft

2

1x22/7x(4-3/8+4-3/4)x1-1/2 29 Sft

2

$$\text{Total:-}$$

$$@ 3245.95 \% \text{ Sft} = \text{Rs.3246/-}$$

6 Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20 (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/DPD No. 5, of 1977 complete in all respects

$$= 1 \text{ No.}$$

$$\text{Total:-} = 1 \text{ No.}$$

$$@ 11561.10 \text{ Each} = \text{Rs.11561/-}$$

7 Extra for making and finishing benching floor work in man hole chamber with 1/8" thick cement finish.

1x22/7x4x4x1/4 13 Sft

$$@ 2934.10 \% \text{ Sft} = \text{Rs.381/-}$$

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Bhakar

Executive Engineer
Buildings Division Bhakar

Total: = Rs.35062/-

34354/-

SEPTIC TANK

S.No	Description	No.	L	B	H	Quantity
------	-------------	-----	---	---	---	----------

- Earth work excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock: -
i) 0 ft to 7.0 ft (0 to 2.10 m) depth

$$1 \times 8 \times 6 \times 5 \frac{1}{2} = 264 \text{ Cft}$$

$$2 \text{ P/L cement concrete (1:6:12) using bricks of stone ballast } 1\text{-}1\frac{1}{2}\text{' to }2\text{' gauge in foundation and plinth.} @ \frac{11740}{10} \% \text{Cft}$$

8042.17

Rs. 999/-

$$1 \times 8 \times 6 \times 1\frac{1}{2} = 24 \text{ Cft}$$

$$\text{Total} = 24 \text{ Cft}$$

@ 21119.65 %Cft

Rs. 5069/-

- Pacca brick work 1:6 cement mortar in other then building upto 10' height.

$$2 \times 7.5 \times 3\frac{1}{4} \times 7 = 79 \text{ Cft}$$

$$2 \times 4 \times 3\frac{1}{4} \times 7 = 42 \text{ Cft}$$

$$2 \times 4 \times 3\frac{1}{8} \times 6 = 18 \text{ Cft}$$

$$\text{Total} = 139 \text{ Cft}$$

@ 28884.35 %Cft

Rs. 40149/-

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

$$1 \times 6 \times 4 \times 1\frac{1}{4} = 6 \text{ Cft}$$

$$\text{Total} = 6 \text{ Cft}$$

@ 38178.90 %Cft

Rs. 2291/-

- $\frac{1}{2}$ " thick cement sand plaster (1:4) upto 20-ft height.

$$1 \text{ (} 6 + 4 \text{) } 2 \times 7 = 140 \text{ Sft}$$

$$2 \times 2 \times 4 \times 6 = 96 \text{ Sft}$$

$$1 \text{ (} 7.5 + 5.5 \text{) } 2 \times 3.25 = 85 \text{ Sft}$$

$$\text{Total} = 321 \text{ Sft}$$

@ 3245.95 %Sft

Rs. 10419/-

- P/L R.C.C. in roof slab columns beams lintels using coarse sand screened graded and washed aggregate i/c lifting, compacting, curing, rendering and finishing exposed surface complete laid in position requiring formwork type (C) nominal mix 1:2:4 complete in all respect.

$$1 \times 7.5 \times 5.5 \times 1\frac{1}{3} = 14 \text{ Cft}$$

$$\text{Total} = 14 \text{ Cft}$$

@ 556.50 P-Cft

Rs. 7791/-

- Fabrication of M.S reinforcement i/c cutting bending binding lying in position complete Deformed bars

$$\text{Take Qty: of above item } 14 \times 6.75 \times 0.454 = 43 \text{ Kg}$$

$$\text{Total} = 43 \text{ Kgs}$$

@ 31407.85 %Kg

Rs. 13505/-

Add 3% contingency charges

Total:-

Rs. 83233/-

81347

Rs. 2440

Rs. 84793/-

83787/-

Rs. 84000/-

83800/-

Say.

Total:-

Say.

Sub Engineer
Sub Engineer

Sub Divisional Officer
Sub Divisional Officer
Buildings Sub Division
Mankera

Executive Engineer
Executive Engineer
Buildings Division Bhakkal

ESTIMATE FOR TUFF PAVED ROAD

1 P/L Tuff Paved Road complete

1	x	160	x	30	4800 Sft
1	x	100	x	20	2000 Sft
Total:-					6800 Sft

(Analysis attached)

@ 434.00 P-Sft Rs.2951200/-

Total:-

Rs.2951200/-

Add 3% contingency charges

Rs.88536/-

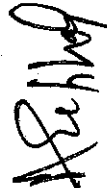
Total:-

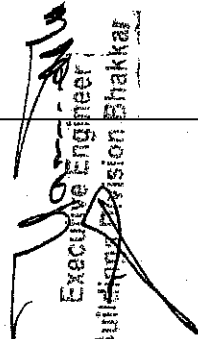
Rs.3039736/-

Say.

Rs.3039700/-


Sub Engineer


Sub Divisional Officer,
Buildings Sub Division,
Mankera.


Executive Engineer,
Buildings Division Bhakkar

**ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF WATER
PURIFICATION PLANT WITH HYGIENIC ULTRA FILTRATION 4000 LPH BEST
QUALITY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER
INCHARGE.**

Take 1 NO for analysis's purpose.
UNIT OF RATE = P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of Water Purification plant	1 No	P-Each	710000	710000.0
B) LABOUR					
	Fixing & Carriage Charges			TOTAL - A	710000.0
	10% SUNDRIES				100000.0
				TOTAL - B	10000.0
				G- TOTAL (A+B)	110000.0
					820000.0
ADD 11% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					
OVER ALL TOTAL					
					9020
					910200.

$$\text{RATE PER EACH} = \frac{910200}{1}$$

Say Rs:=- 900000 EACH

(Signature)
Sub Engineer

(Signature)
Sub Divisional Officer
Buildings Sub Division
Mankera

(Signature)
Executive Engineer
Buildings Division Bhakkar

ANALYSIS OF RATE FOR THE ITEM PROVIDING AND FIXING OF CHILLAR BEST QUALITY ETC COMPLETE IN ALL RESPECT AS APPROVED BY THE ENGINEER INCHARGE.

Take 1 NO for analysis purpose.

UNIT OF RATE P-EACH

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Cost of Chillar	1 No	P-Each	760000	760000.00
B) LABOUR					
	Fixing & Carriage Charges				5000.00
	10% SUNDRIES				500.00
				TOTAL - A	760000.00
				TOTAL - B	5500.00
				G- TOTAL (A+B)	765500.00
ADD 11% CONTRACROR'S PROFIT + OVER HEAD CHRGES					
OVER ALL TOTAL					
					84205
					849705.00

RATE PER EACH = $\frac{849705}{1}$

Say Rs:= 850000 EACH

(Shah)
Sub Engineer

(Ruhel)
Sub Divisional Officer
Buildings Sub Division
Mankera

(Bhaskar)
Executive Engineer,
Buildings Division Bhakker

M/s:
Attn:

Executive
Engineer,
building
division
Bhakkar

October 5, 2022.

Subject:

QUOTATION FOR RO PLANT 4000 LPH

Dear Sir,

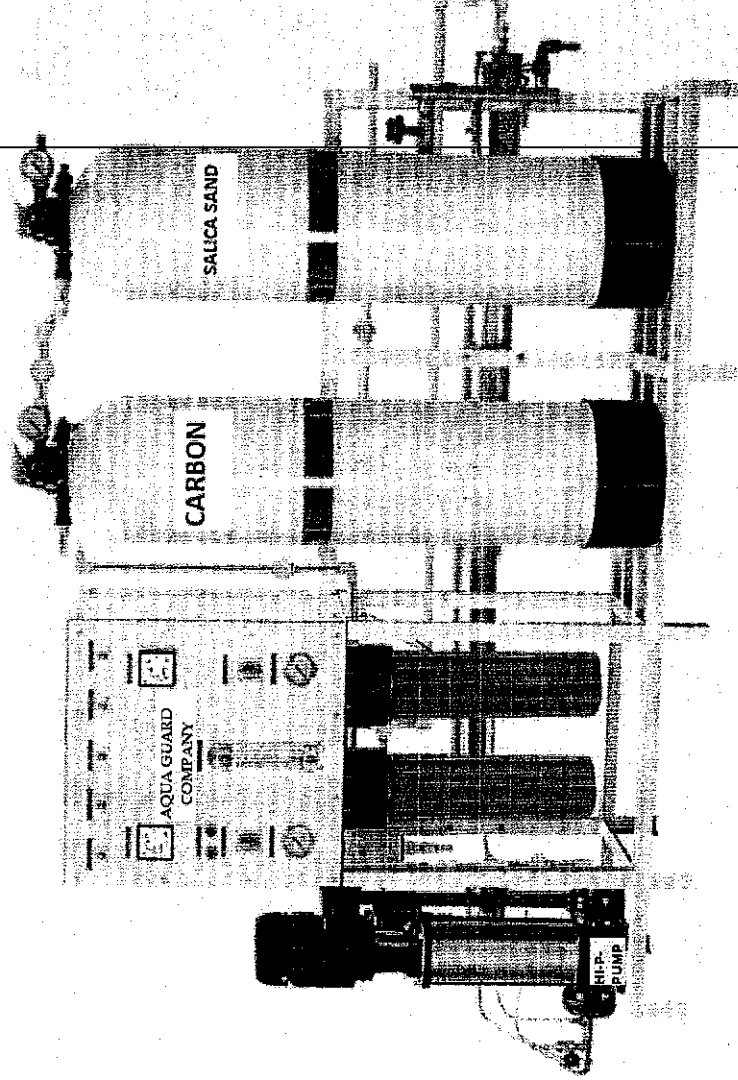
Reference to your inquiry regarding RO Plant 4000 LPH for your required capacity, we are suggesting you the following system and we are pleased to quote you our best possible price of subject system for your kind consideration. We hope you will find it very competitive and comprehensive.

If you have any ambiguity in your mind regarding subject inquiry, please don't hesitate to contact us.

Thanks and best regards,

hassanmarketing@gmail.com
info@waterzone.com.pk
www.waterzone.com.pk
+92 300-8429544
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+92 42-36882478
+92 42-36882479
65-C Canal Bank Extension,
Canal Road, Lahore

The pictures are only for reference



REVERSE OSMOSIS (RO) PLANT

The system is designed on the following parameters

Raw Water TDS (Maximum)	<1500 ppm
Product Water TDS with Blending	~300 ppm
Product Water TDS	<50 ppm
Reverse Osmosis Plant Capacity	4 Ton
Product Water Flow Rate with Blending	35 GPM
Product Water Flow without blending	16 GPM

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Canal Road, Lahore



Index:

Sr. #	Particulars	Make/Size	Qty.
01	LOW PRESSURE FEED PUMP	8m ³ / hr (Grundfos, Germany) R.F	01
02	MULTI-MEDIA SAND FILTER	21" x 62"	01
03	CARTRIDGES ASSEMBLY - PPF 5 Micron	SS 304 (PPF - 5M)	01
04	ONLINE DOSING PUMP FOR ANTI-SCALE	Italy	01/01
05	REVERSE OSMOSIS FRAME	Stainless Steel	01
06	HIGH PRESSURE PUMP AND MOTOR	8m ³ / hr (Grundfos) R.F	01
07	REVERSE OSMOSIS ASME APPROVED HOUSINGS	8" x 90" (1S)	02
08	REVERSE OSMOSIS MEMBRANES	Filmtech / Canature / Equivalent 8" x 40"	04
09	HIGH PRESSURE CONCENTRATE VALVE	S.S	02
10	PRESSURE GUAGES	2.5"	03
11	HIGH PRESSURE SWITCHES	Grey	01
12	ONLINE FLOWMETER	40 GPM	02
13	ONLINE TDS METER	Taiwan	01
14	CI3P SYSTEM	-	01
15	ON3LINE FLUSHING SYSTEM	SOV	01
16	CONTROL PANEL	Water Zone	01
17	FITTING UPVC HIGH PRESSURE	Era, Taiwan	01 Set
18	STORAGE TANK 1000 Gallon (4000 ltr)	Master Tuff	01

Dear Sir,

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65-C Canal Bank Extension,

Canal Road, Lahore



WaterZone

Hassan
Marketing Network

Supply & Installation of Complete R.O (Reverse Osmosis) Plant of said Capacity,
The entire system shall have based on the following parameters and detail specification

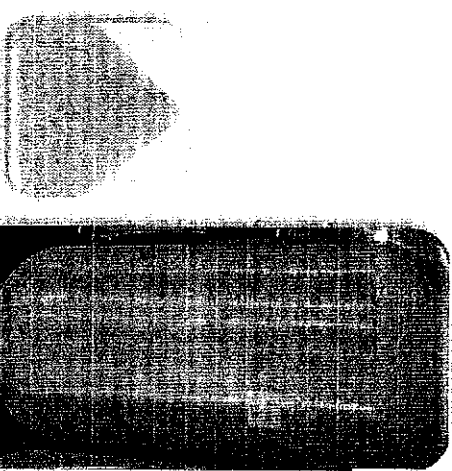
1. Feed Pump:

Quantity	01 Nos.
Capacity	5m ³ / hr
Discharge Pressure	4.0 bar
Type	Vertical/Horizontal, Centrifugal
Brand	Grundfos / Lowara
Condition	Refurbished



2. Sand Filters:

Quantity	01 Nos.
Model of Vessel	21"x62"
Material of Vessel	FRP
Design Pressure	150 PSI
Make of Vessel	Pentair / Canature / Equal
Operation	Manual
Type of Control Valve	Top Mounted
Size of Valve	2"
Filling Media	Gravel, Silica Sand, Anthracite
Piping	UPVC

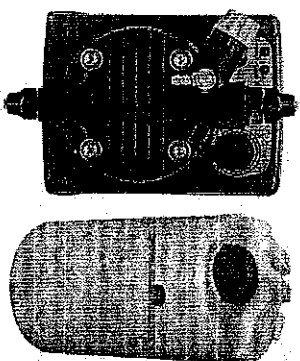


03 -µm Cartridge Assembly Pre-Filtration:

Housing Qty	01
Material of Housing	Stainless Steel
PPI in One Housing	04 / 06
Size of Cartridge	20"

04. Online Chemical Dosing Pumps:

No of Pumps	01 No's
Chemicals	Antiscalant
Capacity of each Pump	5 liters/hr
Type of Pumps	Diaphragm
Material of Pump	PTFE/PE/PVC
Pipe Size	3/8"
Power Supply	220v, AC, 50-60Hz
Make	Aqua Italy
Volume of Chemical tank	80 lts.
Material of Tank	PE (Polyethylene)



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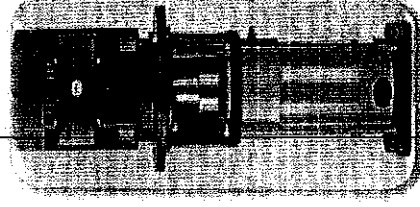
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+92 42-36882479

65-C Canal Bank Extension,
Canal Road, Lahore

05-Reverse Osmosis SKID :

The system would be mounted on a stainless steel skid



06-High Pressure R.O Pump:

Quantity	01 No's
Material	SS-316
Capacity	8m ³ /hr
Discharge Pressure	14~16 bar
Type	Vertical, Centrifugal
Brand	Grundfos
Condition	Refurbished

07-Membrane Housings:

Quantity	02 No
Size	8" x90"
Pressure Rating	300 PSI
Elements per Vessel	02 No's
Material of Vessel	FRP



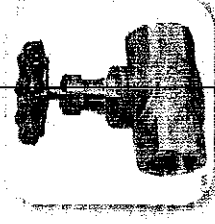
08-Reverse Osmosis Membrane:

Quantity	04 pcs
Membrane Surface Area	400 Sq. ft
Type of Membranes	Spiral wound
Material of Membranes	TFC
Make	Filmtech / Canature Equal



09-High Pressure Concentrate Valve:

Permeate Flow Rate	4,000 lit/hr
Recovery	50~60%
Raw Water Flow Rate	8,000 lit/hr
Raw Water Temperature	25~35°C
Raw Water Type	Bore / Well water
Permeate TDS	<100 ppm



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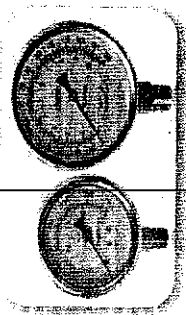
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WaterZone

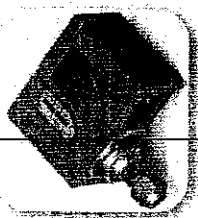
10-Pressure Gauges:

Quantity	As per requirement
Dial Size	2.5"
Material of Gauges	SS-316
Connection Type	Bottom or back



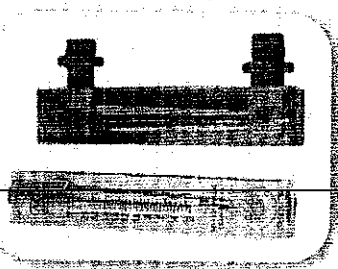
11-Pressure Switch:

Quantity	02 Nos.
----------	---------



12-Online Flow Meter:

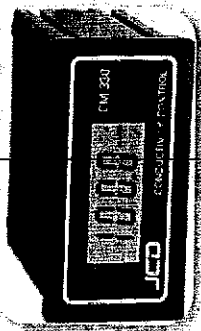
Quantity	02 Nos.
Configuration	Round/Flat
Capacity	40 GPM



13-Online TDS Meter :

An online TDS meter would be installed on system for monitor online TDS of Product Water.

This instrument is a combined control instrument of a Reverse Osmosis monitor and online conductivity instrument. It can perform the operation test status control and online monitoring of water quality, conductivity monitor.

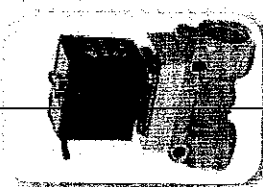


14-Clean in Place (CIP) System

Clean in Place (CIP) System would be installed to clean the periodic cleaning of RO membrane.

15-Online Flushing System

Online flushing system is available here in the system for the completion of R.O.



Quantity	One
----------	-----

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Canal Road, Lahore

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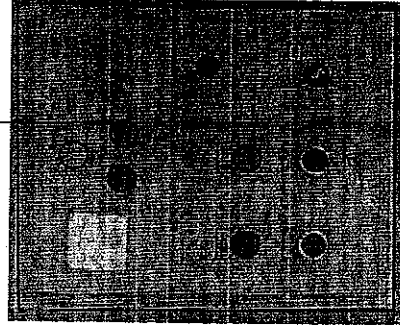
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16- CONTROL PANEL:
control panel would be provided to control the operations of the whole system.

Installation	Indoor
Access	Front
Material	MS



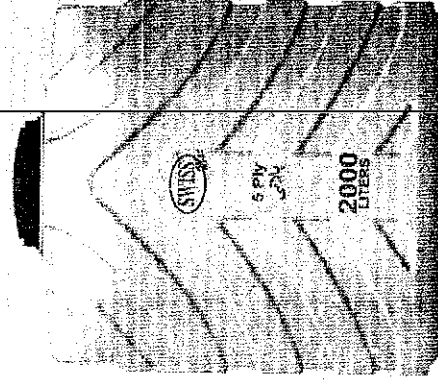
17-Plant Fitting UPVC:

Size	2"/1.5"
Material	UPVC
Pressure	Sch 80



18-Storage Tanks:

Capacity	1000 Gallons (4000 Liters)
Brand	Master / Equal
Qty (1 ton)	01



PRICE:

RO Plant 4,000 LPH

Rs. 1,750,000 /-

Note: The Prices are without government Taxes (GST & withholding).

STANDARD DELIVERY TIME:

15 Days

hassanmarketing@gmail.com
info@waterzone.com.pk
www.waterzone.com.pk

+92 300-8429544
+92 321-4389436

65-C Canal Bank Extension,
Canal Road, Lahore

INSTALLATION:

Water Zone engineers will do complete installation of system.

Terms & Conditions

Payment:

70% advance with PO.

30% after completion of installation

Payment Mode:

Cheque / Cash

Offer Validity:

10 Days

NOTE:

- Technical changes are reserved to optimize the performance. In case of delay in installation & Commissioning due to reasons not attributed to Company. The payment should be released maximum after 7 days from the date of delivery of equipment at site.

Exclusions:

- ✦ All th & etc.
- ✦ Water inlet in plant room / outgoing Drain lines.
- ✦ Civil Work & Plumber Work in Plant Room
- ✦ Fitting of UPVC at site would be charged as per bill of consumed items or it would be arranged by the client.
- ✦ Site clearance.
- ✦ All the pictures are for reference
- ✦ Fare by Client Factory to Site.

Inclusions:

- ✦ Supervision of installation & commissioning of the plant.

Backup:

✉ hassanmarketing@gmail.com +92 300-8429544 +92 42-36882478
info@waterzone.com.pk
www.waterzone.com.pk +92 321-4389436 +92 42-36882479

✉ 65-C Canal Bank Extension,
Canal Road, Lahore

8. ANNUAL OPERATING COST (POST COMPLETION)

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

Grant Number:Government Buildings - (PC12042)
LO NO:LO22010070
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:LO22010070
A/C To be Credited:Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

Attached

10.2 FINANCIAL PLAN DEBT INFORMATION

undefined

10.3 FINANCIAL PLAN GRANT INFORMATION

Attached.

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	52.000	23.974	2.588	2.648	4.892	8.352	94.453
Utilization	28.883	23.698	2.504	2.464	4.816	1.416	63.783

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released						5.000	5.000
Utilization						0.000	0.000

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

10.4 WEIGHT COST OF CAPITAL INFORMATION

undefined

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

11.3 Social Benefits with Indicators

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

11.3.1 Social Impact:

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

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

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.

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

Project Benefits and 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

From September, 2017 to 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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

Focal Person Name:Mr. KHIZAR HAYAT

Email:

Fax No:

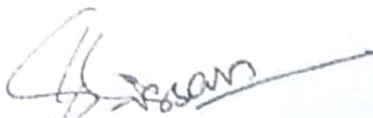
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Designation:Project Director, PMU P&SHD

Tel. No.:042-99231206

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

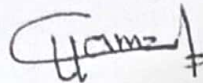
Prepared By:



(HISSAN ANEES)
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(Oct-2022)

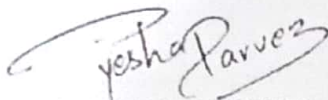


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