PC-1

Revamping of THQ Hospital, Jahanian District Khanewal

ORIGINAL APPROVED COST	**PKR Million. 341.928/-**
ORIGINAL APPROVED GESTATION	**72 Months** **Till June 2025**
APPROVAL FORUM	**DDSC (DDSC)**

1. NAME OF THE PROJECT

Revamping of THQ Hospital, Jahanian District Khanewal

2. LOCATION OF THE PROJECT

2.1. DISTRICT(S)

I. KHANEWAL

3. AUTHORITIES RESPONSIBLE FOR

3.1. SPONSORING AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.2. EXECUTION AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.3. OPERATIONS AND MAINTENANCE AGENCY

- PRIMARY AND SECONDARY HEALTH CARE

3.4. CONCERNED FEDRAL MINISTRY

- NATIONAL HEALTH SERVICES, REGULATIONS AND COORDINATION

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

4. PLAN PROVISION

Sr #	Description
1	**Source of Funding:**Scheme Listed in ADP CFY
2	**Proposed Allocation:**0.000
3	**GS No:**5244
4	**Total Allocation:**0.000
5	**Funds Diverted:**0.000
6	**Balance Funds:**0.000
7	**Comments:** Funded out of block provision reflected at G.S No.658 with an allocation of Rs. 1,800 million (Capital = Rs. 1,300 Million & Revenue = Rs. 500 Million).

5. PROJECT OBJECTIVES

Attached

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

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

5.1 Background of Primary & Secondary Healthcare Department

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

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

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

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

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

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

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

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

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

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

5.3 Infrastructural Interventions

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

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

Major infrastructural interventions can be divided in the following four categories

5.3.1 External Development

5.3.2 Internal Development

5.3.3 Medical Infrastructure Development

5.3.4 Emergencies Development

5.3.1 External Development

5.3.1.1 External Platforms

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

5.3.1.2 Façade Improvement

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

5.3.1.3 Sewerage System

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

5.3.1.4 Landscaping (Horticulture)

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

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

5.3.1.5 Water Filtration Plant

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

5.3.1.6 External Electrification

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

5.3.1.7 Parking and Waiting area

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

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

5.3.1.8 External Signage

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

5.3.2 Internal development

5.3.2.1 Aesthetic improvement

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

5.3.2.2 Ramp and Stretcher improvement

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

5.3.2.3 Seamless flooring and Lead Lining

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

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

5.3.2.4 Aluminum doors and windows

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

5.3.2.5 Improvement of washroom blocks

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

5.3.2.6 Facilitation of attendants and patients

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

5.3.2.7 Furniture and Fixtures

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

5.3.2.8 Air Conditioners, Refrigerators and LEDs

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

5.3.2.9 Internal Signage and Paintings

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

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

5.3.3 Medical Infrastructure Development

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

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

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

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

5.3.3.1 Emergency Department:

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

5.3.3.1.1 General Overview of Emergency Department

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

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

5.3.3.1.2 Position of Emergency Department

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

5.3.3.1.3 Access towards the Emergency Department

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

5.3.3.1.4 Medical Infrastructure Emergency:

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

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

5.3.3.1.5 General Building Interventions:

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

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

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

5.3.3.2 Monitoring and Quality Assurance (Process Interventions)

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

5.3.3.2.1 MSDS (Minimum Service Delivery Standards)

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

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

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

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

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

MSDS implementation is a complex procedure. Because it requires

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

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

The PDSA cycle

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

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

5.3.3.3 Laboratory

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

5.3.3.4 X-Ray

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

5.3.3.5 CCU

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

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

5.3.3.6 Dialysis Unit

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

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

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

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

5.3.3.7 Labor Rooms/Nurseries

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

5.3.3.8 Operation Theater

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

5.3.3.9 Orthopedic unit

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

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

5.3.3.10 Gynecology Department

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

5.3.3.11 Surgical Unit

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

5.3.3.12 Intensive Care Unit (ICU)

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

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

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

5.3.3.13 Mortuary Unit

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

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

5.3.3.14 Dental Unit

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

5.3.3.15 Physiotherapy Unit (33 THQ Hospitals)

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

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

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

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

Importance of Physiotherapy and Rehabilitation department

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

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

Opportunity Rationale

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

5.3.3.16 Queue Management System (QMS)

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

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

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

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

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

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

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

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

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

5.3.3.17 Electronic Medical Record (EMR)

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

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

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

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

5.3.3.18 Video Surveillance through CCTVs

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

5.3.3.19 Medicine Store

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

5.3.3.20 Day Care Center

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

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

5.4 Out Sourcing of Non Clinical Services

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

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

5.4.1 Janitorial services

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

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

5.4.2 Laundry Services

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

5.4.3 MEPG Services

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

5.4.4 CT Scan Services

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

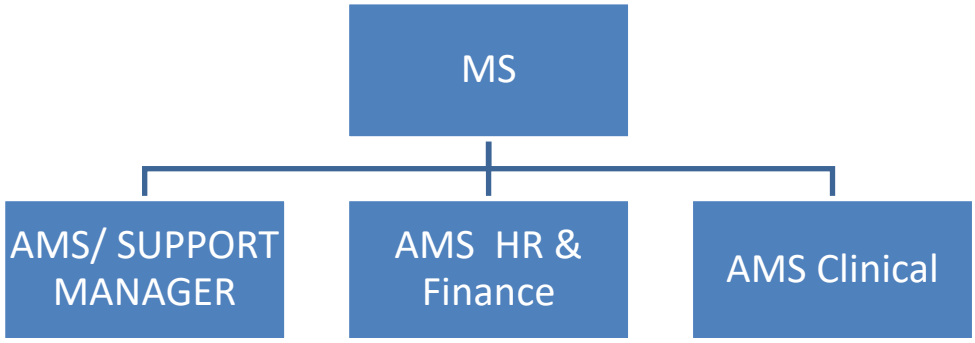
5.4.5 Security

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

5.6 HR & Management Interventions Structure

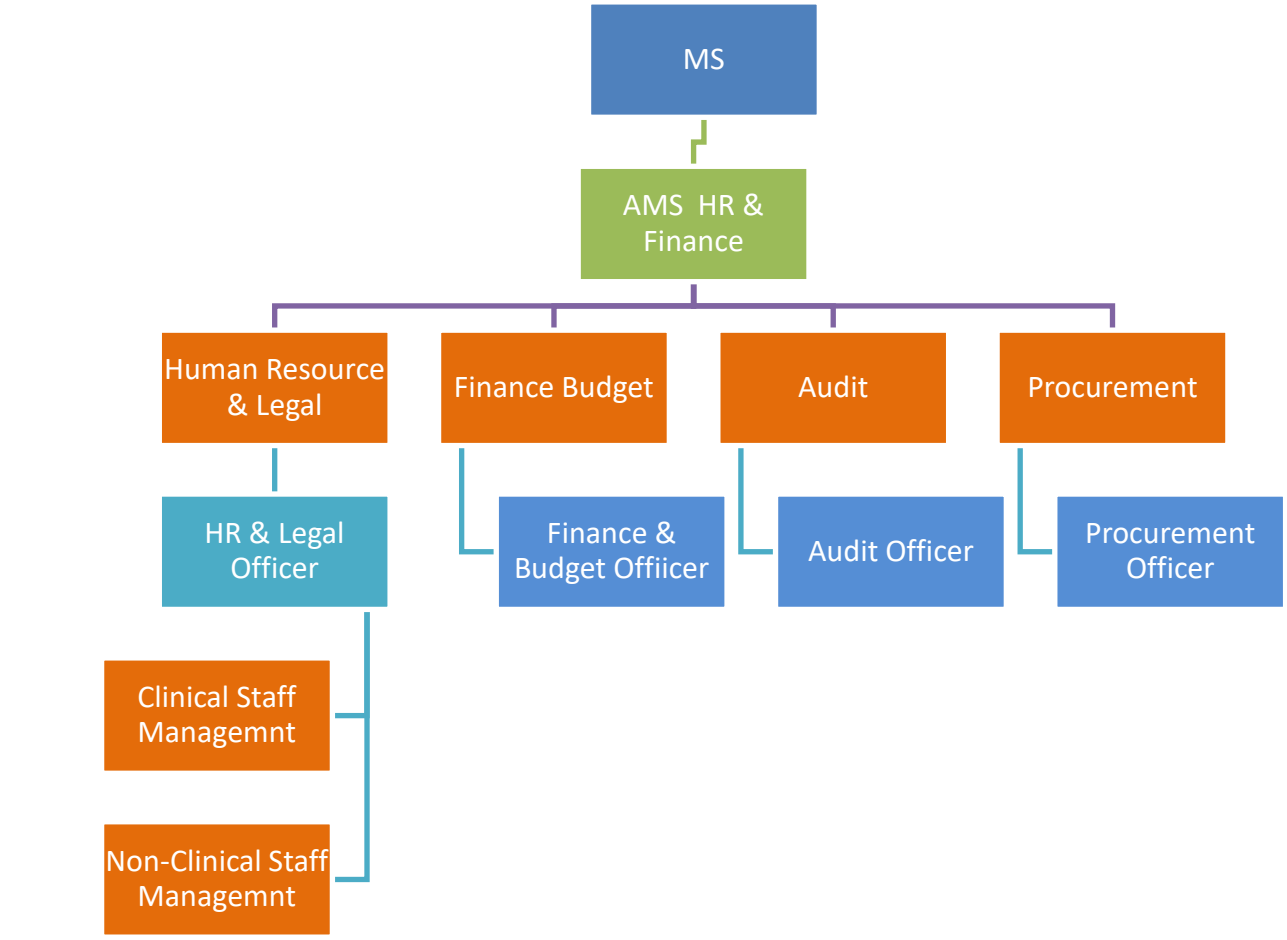
HR Interventions can be broadly classified into introduction of New Management Structure (NMS) staff.

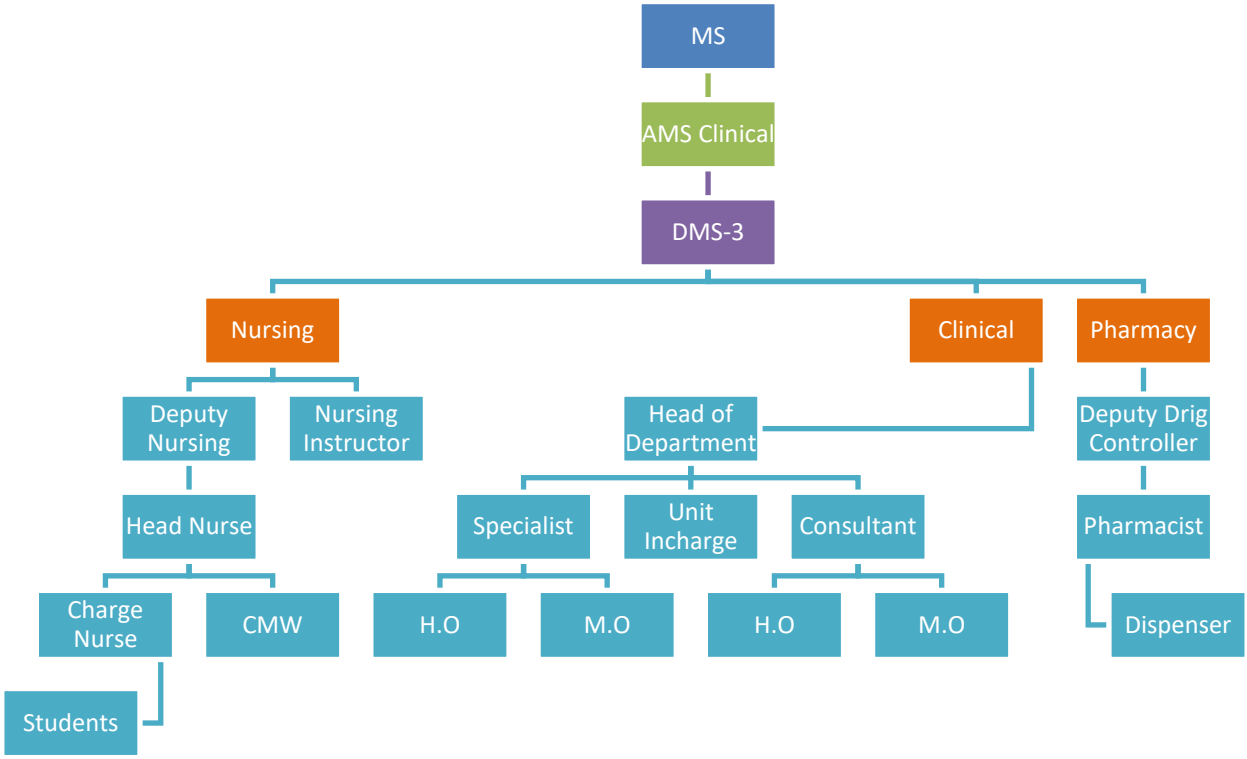
New Organogram of Hospital



MS

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


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


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

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

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

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

5.6.2.1 Medical Superintendent

Shall be overall responsible for all the affairs of the Hospital

5.6.2.2 AMS Admin.

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

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

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

New Management Structure (NMS)

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

5.6.2.3 Admin Officer

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

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

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

Eligibility Criteria

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

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

5.6.2.4 Human Resource Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.5 IT/Statistical Officer

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

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

Eligibility Criteria

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

5.6.2.6 Finance & Budget Officer

Shall be responsible for following:

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

Eigibility Criteria

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

5.6.2.7 Procurement Officer

Shall be responsible for following functions:

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

Eigibility Criteria

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

5.6.2.8 Quality Assurance Officer

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

Eligible Criteria

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

   OR

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

5.6.2.9 Logistics Officer

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

Eligible Criteria

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

5.6.2.10 Data Entry Operators (DEO)

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

Eligible Criteria

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

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

5.6.2.11 Assistant Admin Officer

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

Eligibility Criteria

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

5.7 HR for QMS and MSDS and Day Care Center.

5.7.1.1 QMS Supervisor / Information Desk Officer

Shall be responsible whole QMS networking

Eligible Criteria

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

5.7.1.2 Computer Operators

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

Eligible Criteria

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

5.7.2 Consultants (MSDS) Implementation & Clinical Audit

Eligible Criteria

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

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

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

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

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

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

5.7.2.2 Objectives

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

5.7.2.3 Scope of Work

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

5.7.2.4 Reporting Arrangements

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

5.7.2.5 Duration of Assignment

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

5.7.2.6 Outputs / Key Deliverables

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

5.7.2.7 Remunerations

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

5.7.2.8 Terms of Payment

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

5.7.3 HR for Day Care Center

5.7.3.1 Manager Day Care Center (DCC)

Shall be responsible for general administrative affairs of DCC.

Eligibility Criteria

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

5.7.3.2 Montessori Trained Teacher

Shall be responsible for basic education of children.

Eligibility Criteria

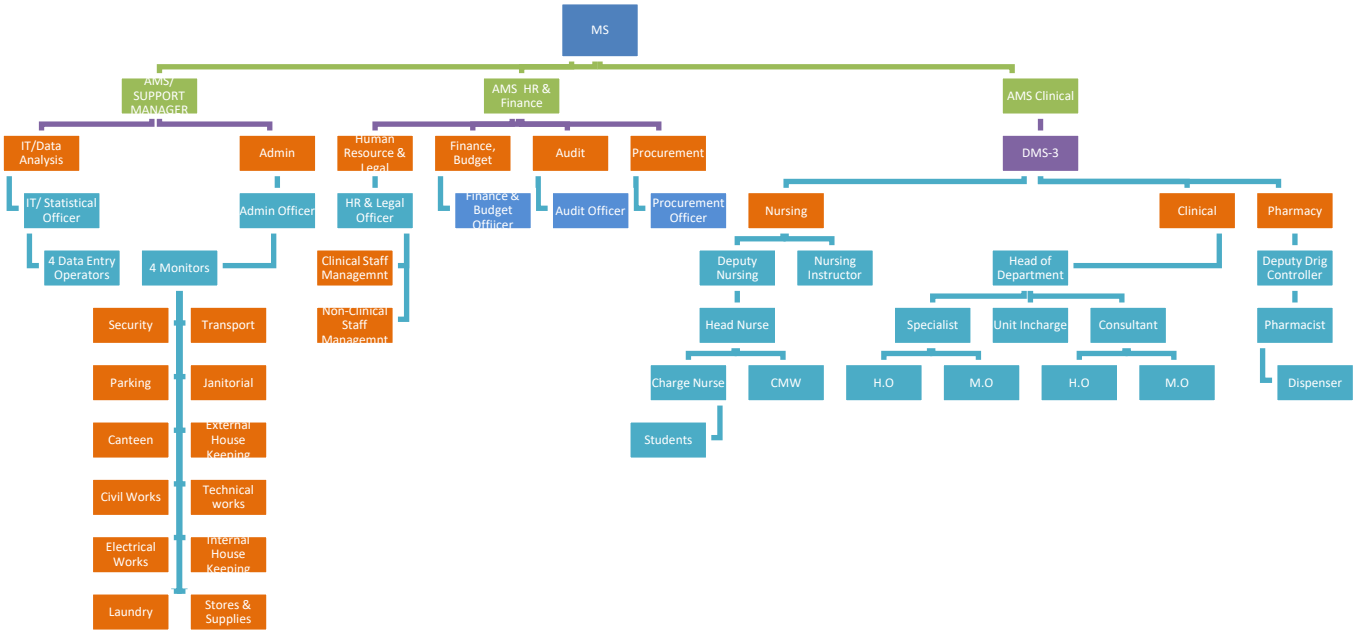
1. Minimum qualification BA/BSC or equivalent from HEC recognized University along with B.Ed.
2. Minimum 1 years post degree experience of teaching (Additional credit may be given for Public sector teaching of similar nature)

5.7.3.3 Attendant / Care Giver

Shall be responsible for special care of the children.

Eligibility Criteria

Minimum qualification Matric or equivalent alongwith diploma in relevant field



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

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

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

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

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

5.8 Other Initiatives:

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

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

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

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

5.9 Patient Management Protocol

5.9.1 Emergency:

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

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

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

5.9.2 O.P.D:

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

5.9.3 Death or End of Life Management.

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

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

5.9.4 Inventory Control System

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

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

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

5.9.5 Project Monitoring Committee

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

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

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

5.10 Relationship with Sectoral Objectives

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

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

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

6. DESCRIPTION AND JUSTIFICATION OF PROJECT

6.1 JUSTIFICATION OF PROJECT

Attached

1. Description, Justification and Technical Parameters

The scheme has been estimated on face of the factual basic requirements and if needed, alterations and has been quoted in this PC-I. The Population of Tehsil Jahanian District Khanewal is more than 0.511 million. The area of the THQ Hospital Jahanian District Khanewal is 308,225 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, Jahanian District Khanewal.

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

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

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

Justification for 3rd Revision of PC-I

1. Originally the Civil work component of the scheme was planned to be executed by the Health Council of the concerned District Health Authority based on cost estimates prepared by the Infrastructure Wing of PMU and approved by the DDSC. Accordingly, funds of Rs.3, Rs.5 and Rs.10 million were provided during FY 2017-18 for the execution of work as per parameters provided to these THQ Hospitals. However, no reasonable revamping civil work was carried out and hence did not fulfil the requirement and the objectives of the Revamping Program. Now P&SHD has decided to carry out further revamping of Civil work through Communication and Works Department Punjab to accomplish the uniformity of THQ Hospitals with already revamped hospitals of Phase-I. Hence the Rough Cost Estimates of the Punjab Buildings Department has been included in the civil work cost of this scheme.

2. Primary & Secondary Healthcare Department (P&SHD) made a decision to shift all the clerical posts in DHQ / THQ hospitals of Punjab to District Health Authorities as per notification dated 24th October, 2017. This administrative decision was taken due to a multiplicity of reasons which were adversely affecting healthcare service delivery in the hospitals. Primarily, these clerical posts were not specialized in any particular field, and therefore, the HR hired against these posts were generalized to the extent that they were not able to perform functions of Hospitals and Health Specific tasks that any medical administration should ideally perform. Additionally, public complaints against the clerical staff on issues such as behavior, performance created an environment of malfeasance in all hospitals. In place of the clerical positions, the Department introduced a New Management Structure (NMS), in all District and Tehsil Headquarters Hospitals. The officers/officials recruited as a part of the NMS have a minimum of 16 years of education. Introduction of New Management Structures (NMS) across all secondary hospitals in the Punjab, has allowed for the overall efficiency of District and Tehsil Headquarters Hospitals. In each Tehsil Headquarter Hospital HR under MNS has been provided for smooth running of the health services. Pay Package for NMS Staff was never been revised since 2017-18, therefore it was decided to approach the P&D Department for revision of Pay package. The PDWP approved revised pay page in its meeting held on 08-02-2022 based on PPS approved in 60th PDWP meeting as under: -

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

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

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

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

increased from Rs. 26.965 million to Rs. 49.246 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:LO17010568
A/C To be Credited: Assan Assignment

PKR Million

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

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

Grant Number: Government Buildings - (PC12042)
LO NO:LO22010045
A/C To be Credited: Account-I

PKR Million

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

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

Abstract of Cost

Name of THQ Hospital	THQ Jahanian											
Scope of work	Cost in million											
	Original			1st Revised			2nd Revised			3rd Revised		
	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total	Capital	Revenue	Total
Capital component												
Internal Development	0.000	17.509	17.509	0.000	17.509	17.509	7.996	5.000	12.996	29.628	5.000	34.628
External Development	0.000	2.482	2.482	0.000	2.482	2.482	13.729	0.000	13.729	15.562	0.000	15.562
Water filtration plant	0.000	5.600	5.600	0.000	5.600	5.600	5.240	0.000	5.240	4.056	0.000	4.056
Total Capital Component	**0.000**	**25.591**	**25.591**	**0.000**	**25.591**	**25.591**	**26.965**	**5.000**	**31.965**	**49.246**	**5.000**	**54.246**
Emergency	0.000	20.463	20.463	0.000	20.463	20.463	0.000	27.876	27.876	0.000	47.336	47.336
MSDS	0.000	8.647	8.647	0.000	8.647	8.647	0.000	9.654	9.654	0.000	13.438	13.438
Med. Machinery and Equipment	0.000	52.487	52.487	0.000	52.487	52.487	0.000	68.290	68.290	0.000	107.069	107.069
Electricity	0.000	14.131	14.131	0.000	14.131	14.131	0.000	14.131	14.131	0.000	14.131	14.131
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	3.328	3.328	0.000	3.328	3.328	0.000	4.695	4.695	0.000	4.695	4.695
Day Care Center	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600	0.000	1.600	1.600
Human resource (HR) plan	0.000	17.220	17.220	0.000	17.220	17.220	0.000	38.850	38.850	0.000	57.466	57.466
LC Deficit during procurement (currency fluctuation)								3.038	3.038		3.038	3.038
Total Revenue component	**0.000**	**145.894**	**145.894**	**0.000**	**145.894**	**145.894**	**0.000**	**198.353**	**198.353**	**0.000**	**287.682**	**287.682**
Outsourcing component												
Janitorial Services	0.000	17.722	17.722	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Security and Parking services	0.000	6.628	6.628	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Laundry Services	0.000	2.400	2.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance (Generator)	0.000	2.270	2.270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEP	0.000	3.818	3.818	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical Gases	0.000	1.304	1.304	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cafeteria	0.000	6.743	6.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horticulture services	0.000	8.595	8.595	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total outsourcing cost	**0.000**	**49.481**	**49.481**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Total	**0.000**	**220.967**	**220.967**	**0.000**	**171.486**	**171.486**	**26.965**	**203.353**	**230.318**	**49.246**	**292.682**	**341.928**
Contingency (1%) only on Civil Component	0.000	0.256	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Third party monitoring (TPM) (2%)	0.000	4.419	4.419	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grand Total	**0.000**	**225.642**	**225.642**	**0.000**	**171.486**	**171.486**	**26.965**	**203.353**	**230.318**	**49.246**	**292.682**	**341.928**

Emergency Equipment

			Original				1st Revised				2nd Revised				3rd Revised			
Sr. No.	Area	ITEM DESCRIPTION	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)	Yard Stick	Required Quantity (T=6+S=0+E=6)	Actual Unit Price	Actual Total Cost(Rs)
1	Reception Area	Table	0		99,750	-	0		99,750	-	0		99,750	-	0		99,750	-
2		Chairs	0		26,775	-	0		26,775	-	0		26,775	-	0		30,000	-
3		Computer Data Entry With Printer	1	1	141,750	141,750	1	1	141,750	141,750	1	1	141,750	141,750	1	1	195,000	195,000
4	3	Table (2.5 X 4)*(N)	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-	0	0	101,850	-
5	6	Chairs *(N)	0	0	26,775	-	0	0	26,775	-	0	0	26,775	-	0	0	30,000	-
6	Triage area	B.p apparatus wall type*(N)	3	6	15,750	94,500	3	6	15,750	94,500	3	6	30,000	180,000	3	6	30,000	180,000
7		Gurney WITH FOOT STEP)*(N)	3	6	420,000	2,520,000	3	6	420,000	2,520,000	3	6	460,000	2,760,000	3	6	800,000	4,800,000
8		Mercury B.P apparatus*(N)	2	4	33,600	134,400	2	4	33,600	134,400	2	4	36,000	144,000	2	4	36,000	144,000
9		Laryngoscope paeds &adult each*(N)	2	4	10,500	42,000	2	4	10,500	42,000	2	4	12,000	48,000	2	4	20,000	80,000
10		Diagnostic set*(N)	1	2	45,150	90,300	1	2	45,150	90,300	1	2	50,000	100,000	1	2	85,000	170,000
11		ECG Machine (with trolley) *(N)	1	2	169,785	339,570	1	2	169,785	339,570	1	2	180,000	360,000	1	2	300,000	600,000
12		Central oxygen with accessories FOR each	0	0	420,000	-	0	0	420,000	-	0	0	-	-	0	0	-	-
13		NEBULIZER HD*(N)	2	4	125,265	501,060	2	4	125,265	501,060	2	4	215,000	860,000	2	4	300,000	1,200,000
14		SUCKER MACHINE*(N)	1	2	259,350	518,700	1	2	259,350	518,700	1	2	275,000	550,000	1	2	300,000	600,000
15		Resuscitation Trolley (fully equipped))*(N)	1	2	244,733	489,466	1	2	244,733	489,466	1	2	400,000	800,000	1	2	600,000	1,200,000
16		INSTRUMENT CABINET*N	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600	1	2	69,300	138,600
17		MEDICINE TROLLY*N	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800	1	2	60,900	121,800
18	Minor O.T	O.T table WITH foot step	1	1	1,417,500	1,417,500	1	1	1,417,500	1,417,500	1	1	2,000,000	2,000,000	1	1	2,500,000	2,500,000
19		Anesthesia Machine	1	1	2,509,554	2,509,554	1	1	2,509,554	2,509,554	1	1	3,000,000	3,000,000	1	1	7,000,000	7,000,000
20		Sucker machine	1	1	259,350	259,350	1	1	259,350	259,350	1	1	275,000	275,000	1	1	300,000	300,000
21		Portable O.T Lights	1	1	304,220	304,220	1	1	304,220	304,220	1	1	500,000	500,000	1	1	900,000	900,000
22		Ceiling o.t light	1	1	414,750	414,750	1	1	414,750	414,750	1	1	800,000	800,000	1	1	950,000	950,000
23		Hot air oven	1	1	110,000	110,000	1	1	110,000	110,000	1	1	385,000	385,000	1	1	450,000	450,000
24		Autoclave	1	1	441,000	441,000	1	1	441,000	441,000	1	1	550,000	550,000	1	1	850,000	850,000
25		Instrument trolley*N	1	1	54,000	54,000	1	1	54,000	54,000	1	1	54,000	54,000	1	1	55,000	55,000
26		Defibrillator*N	1	1	310,000	310,000	1	1	310,000	310,000	1	1	650,000	650,000	1	1	800,000	800,000
27		Instrument cabinet	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300	1	1	69,300	69,300
28	Constant / specialized care room	GURNEYS*N	4		420,000	-	4		420,000	-	4		460,000	-	4		850,000	-
29		Sucker machine *(N)	2		259,350	-	2		259,350	-	2		275,000	-	2		300,000	-
30		Nebulizer HD*(N)	2		125,265	-	2		125,265	-	2		215,000	-	2		300,000	-
31		Center Oxygen supply*N	1		420,000	-	1		420,000	-	1		-	-	1		-	-
32		Resuscitation Trolley (fully equipped))*(N)	1		237,618	-	1		237,618	-	1		400,000	-	1		600,000	-
33		Defibrillator*N	1		302,605	-	1		302,605	-	1		650,000	-	1		800,000	-
34		Pulse- oximeter*(N)	4		104,000	-	4		104,000	-	4		160,000	-	4		225,000	-
35		Bedside-monitor*(N)	4		301,665	-	4		301,665	-	4		550,000	-	4		1,200,000	-
36		ECG MACHINE)*(N)	1		169,785	-	1		169,785	-	1		169,785	-	1		300,000	-
37		BP APPARATUS*N	1		15,750	-	1		15,750	-	1		16,000	-	1		16,000	-
38		FOOT STEP)*(N)	1		3,150	-	1		3,150	-	1		4,000	-	1		5,500	-
39		ATTANDANT BENCH)*(N)	1		5,250	-	1		5,250	-	1		8,000	-	1		10,000	-
40	7	(MOTRIZED BEDS) with accessories (with foot	7	6	210,000	1,260,000	7	6	210,000	1,260,000	7	6	400,000	2,400,000	7	6	600,000	3,600,000
41	6	ECG machine(with trolley) *(N)	1	1	169,785	169,785	1	1	169,785	169,785	1	1	169,785	169,785	1	1	300,000	300,000
42		Pulse- oximeter *(N)	6	6	104,000	624,000	6	6	104,000	624,000	6	6	160,000	960,000	6	6	225,000	1,350,000
43		Bedside-monitor*(N)	3	3	301,665	904,995	3	3	301,665	904,995	3	3	550,000	1,650,000	3	3	1,200,000	3,600,000

Emergency Equipment

			Original				1st Revised				2nd Revised				3rd Revised			
Sr.	Area	ITEM DESCRIPTION	Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total	Yard	Required Quantity	Actual Unit	Actual Total
44	Emergency ward	B.P apparatus wall type *(N)	6	6	26,250	157,500	6	6	26,250	157,500	6	6	30,000	180,000	6	6	30,000	180,000
45		Nebulizer HD *(N)	2	2	125,265	250,530	2	2	125,265	250,530	2	2	215,000	430,000	2	2	300,000	600,000
46		Resuscitation Trolley (fully equipped))*(N)	1	1	237,618	237,618	1	1	237,618	237,618	1	1	400,000	400,000	1	1	600,000	600,000
47		Defibrillator*N	1	1	299,153	299,153	1	1	299,153	299,153	1	1	650,000	650,000	1	1	800,000	800,000
48		Sucker machine *(N)	2	2	259,350	518,700	2	2	259,350	518,700	2	2	275,000	550,000	2	2	300,000	600,000
49	Generalized	Wheal chairs *(N)	0	0	31,500	-	0	0	31,500	-	0	0	35,000	-	0	0	35,000	-
50		Stretcher *(N)	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-	0	0	69,300	-
51		ambo bag paeds with	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	5	19,000	95,000
52		ambo bag adult with Mask*	5	5	15,750	78,750	5	5	15,750	78,750	5	5	19,000	95,000	5	5	19,500	97,500
53		patient stool * N	2	2	4,085	8,169	2	2	4,085	8,169	2	2	4,500	9,000	2	2	5,000	10,000
54		Portable x-rays (300 M.A)	1	1	3,450,350	3,450,350	1	1	3,450,350	3,450,350	1	1	4,300,000	4,300,000	1	1	9,800,000	9,800,000
55		Portable ultra-sound	1	1	1,403,325	1,403,325	1	1	1,403,325	1,403,325	1	1	1,500,000	1,500,000	1	1	2,400,000	2,400,000
		Total				**20,463,445**				**20,463,445**				**27,876,235**				**47,336,200**
						20.463				20.463				27.876				47.336

MSDS

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

MSDS

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

Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
1	Laboratory	Semi Auto Clinical Chemistry Analyzer	1	1	0	449,295	-	1	1	0	449,295	-	1	1	0	550,000	-	1	1	0	550,000	-
2		Hematology Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	750,000	750,000
3		Electrolyte Analyzer	1	0	1	427,350	427,350	1	0	1	427,350	427,350	1	0	1	550,000	550,000	1	0	1	550,000	550,000
4		Blood Gas Analyzer	0	0	0	2,744,858	-	0	0	0	2,744,858	-	0	0	0	3,200,000	-	0	0	0	1,400,000	-
5		Clinical Microscope	1	4	0	132,825	-	1	4	0	132,825	-	1	4	0	180,000	-	1	4	0	250,000	-
6		Water Bath	1	1	0	60,000	-	1	1	0	60,000	-	1	1	0	157,500	-	1	1	0	325,000	-
7		Hot air Oven	1	0	1	210,000	210,000	1	0	1	210,000	210,000	1	0	1	385,000	385,000	1	0	1	450,000	450,000
8		Distilled water plant	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	75,000	75,000	1	0	1	125,000	125,000
9		Auto pipettes	10	5	5	31,500	157,500	10	5	5	31,500	157,500	10	5	5	40,500	202,500	10	5	5	45,000	225,000
10		glass wares	0	100	0	105,000	-	0	100	0	105,000	-	0	100	0	105,000	-	0	100	0	105,000	-
11		Centrifuge Machine	2	1	1	149,336	149,336	2	1	1	149,336	149,336	2	1	1	250,000	250,000	2	1	1	400,000	400,000
12	X-Rays	Static X-ray Machine	1	0	1	4,200,000	4,200,000	1	0	1	4,200,000	4,200,000	1	0	1	6,000,000	6,000,000	1	0	1	12,000,000	12,000,000
13		Mobile X-Ray Machine	0	0	0	3,850,524	-	0	0	0	3,850,524	-	0	0	0	4,300,000	-	0	0	0	9,800,000	-
14		Computerized Radiography System	0	0	0	4,018,245	-	0	0	0	4,018,245	-	0	0	0	4,500,000	-	0	0	0	4,500,000	-
15		Dental X-Ray	0	1	0	282,975	-	0	1	0	282,975	-	0	1	0	350,000	-	0	1	0	525,000	-
16		Lead apron and PPE	2	1	1	52,500	52,500	2	1	1	52,500	52,500	2	1	1	60,000	60,000	2	1	1	85,000	85,000
17		Density meter personal (Add)	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	210,000	-	0	0	0	250,000	-
18		Lead glass /shield	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	105,000	-	0	0	0	150,000	-
19		Lead Walls	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-	0	0	0	525,000	-
20	Ultrasound	Portable/Mobile Ultrasound	0	1	0	1,371,331	-	0	1	0	1,371,331	-	0	1	0	1,500,000	-	0	1	0	2,400,000	-
21		Color Doppler RADIOLOGY	1	0	1	3,698,310	3,698,310	1	0	1	3,698,310	3,698,310	1	0	1	4,500,000	4,500,000	1	0	1	5,500,000	5,500,000
22	CCU	ICU MONITOR	2	0	2	301,665	603,330	2	0	2	301,665	603,330	2	0	2	900,000	1,800,000	2	0	2	1,250,000	2,500,000
23		Temporary pace maker	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	315,000	-	0	0	0	550,000	-
24		Defibrillator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
25		ECG Machine Three Channel	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	169,785	339,570	2	0	2	300,000	600,000
26		ETT Machine	0	0	0	2,021,838	-	0	0	0	2,021,838	-	0	0	0	2,200,000	-	0	0	0	3,000,000	-
27		Color doplor CARDIOLOGY	0	0	0	4,681,790	-	0	0	0	4,681,790	-	0	0	0	4,800,000	-	0	0	0	6,000,000	-
28		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
29	Blood Bank	Blood Cabinet	1	0	1	690,539	690,539	1	0	1	690,539	690,539	1	0	1	700,000	700,000	1	0	1	1,500,000	1,500,000
30		Centrifuge Machine	2	0	2	149,336	298,673	2	0	2	149,336	298,673	2	0	2	250,000	500,000	2	0	2	400,000	800,000
31		Slide viewer	1	0	1	42,000	42,000	1	0	1	42,000	42,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
32		Clinical Microscope	1	0	1	132,825	132,825	1	0	1	132,825	132,825	1	0	1	180,000	180,000	1	0	1	250,000	250,000
33	Dialysis Unit (10 beds)	Computerized Hemo Dialysis Machine	5	0	5	1,050,000	5,250,000	5	0	5	1,050,000	5,250,000	5	0	5	1,600,000	8,000,000	5	0	5	3,200,000	16,000,000
34	Nursery	Baby Cot	10	12	0	14,669	-	10	12	0	14,669	-	10	12	0	16,000	-	10	12	0	16,000	-
35		Phototherapy Unit	2	2	0	130,200	-	2	2	0	130,200	-	2	2	0	655,000	-	2	2	0	850,000	-
36		Infant Warmer	2	3	0	335,638	-	2	3	0	335,638	-	2	3	0	985,000	-	2	3	0	1,050,000	-
37		Pulse Oximeter	6	0	6	104,500	627,000	6	0	6	104,500	627,000	6	0	6	160,000	960,000	6	0	6	225,000	1,350,000
38		Infant Incubator	2	1	1	858,932	858,932	2	1	1	858,932	858,932	2	1	1	900,000	900,000	2	1	1	1,750,000	1,750,000
39		Suction Pump	1	0	1	259,350	259,350	1	0	1	259,350	259,350	1	0	1	275,000	275,000	1	0	1	300,000	300,000
40		Hospital Grade Nebulizer Heavy Duty	2	2	0	125,265	-	2	2	0	125,265	-	2	2	0	215,000	-	2	2	0	300,000	-
41	O.T (04)	Anesthesia Machine with Ventilator	1	0	1	2,509,554	2,509,554	1	0	1	2,509,554	2,509,554	1	0	1	3,000,000	3,000,000	1	0	1	7,000,000	7,000,000
42		BED SIDE PATIENT MONITOR	2	1	1	441,000	441,000	2	1	1	441,000	441,000	2	1	1	550,000	550,000	2	1	1	1,200,000	1,200,000
43		Defibrillator	2	0	2	308,713	617,425	2	0	2	308,713	617,425	2	0	2	650,000	1,300,000	2	0	2	800,000	1,600,000
44		Electrosurgical Unit	1	1	0	507,530	-	1	1	0	507,530	-	1	1	0	700,000	-	1	1	0	900,000	-
45		Operation Table	1	1	0	1,426,215	-	1	1	0	1,426,215	-	1	1	0	2,000,000	-	1	1	0	2,500,000	-
46		Ceiling Operating Light	1	2	0	413,013	-	1	2	0	413,013	-	1	2	0	800,000	-	1	2	0	950,000	-
47		STEAM STERILIZER	1	3	0	3,465,000	-	1	3	0	3,465,000	-	1	3	0	4,000,000	-	1	3	0	7,800,000	-
48		Suction Pump	2	0	2	259,350	518,700	2	0	2	259,350	518,700	2	0	2	275,000	550,000	2	0	2	300,000	600,000
49		Resuscitation trolley With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
50		mayo table	4	0	4	21,000	84,000	4	0	4	21,000	84,000	4	0	4	23,000	92,000	4	0	4	23,000	92,000
51		MOBILE OPERATING LIGHT	1	0	1	304,220	304,220	1	0	1	304,220	304,220	1	0	1	400,000	400,000	1	0	1	900,000	900,000
52	Orthopedic	Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	5,000,000	-
53		ORTHOPEDIC DRILL	0	1	0	1,108,740	-	0	1	0	1,108,740	-	0	1	0	1,500,000	-	0	1	0	4,000,000	-
54		Plaster Cutting Pneumatic	1	0	1	276,250	276,250	1	0	1	276,250	276,250	1	0	1	450,000	450,000	1	0	1	1,500,000	1,500,000
55		Pneumatic Tourniquets	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	262,500	-	0	0	0	300,000	-
56		Orthopedic Instruments	0	0	0	432,623	-	0	0	0	432,623	-	0	0	0	550,000	-	0	0	0	550,000	-
57		Portable/Mobile Ultrasound	1	1	0	1,418,958	-	1	1	0	1,418,958	-	1	1	0	1,500,000	-	1	1	0	2,400,000	-
58		Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000

Medical Equipment

			Original					1st Revised					2nd Revised					3rd Revised				
Sr. No.	Area	Name of Equipment	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost	Yard Stick	Available Quantity	Required Quantity	Cost per Unit	Total Cost
59	Gynea (20 beds)	Delivery Set	10	2	8	31,500	252,000	10	2	8	31,500	252,000	10	2	8	40,000	320,000	10	2	8	65,000	520,000
60		Delivery Table	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	47,250	47,250	2	1	1	55,000	55,000
61		BED SIDE PATIENT MONITOR	2	0	2	294,000	588,000	2	0	2	294,000	588,000	2	0	2	550,000	1,100,000	2	0	2	1,200,000	2,400,000
62		D & C Set	2	2	0	34,650	-	2	2	0	34,650	-	2	2	0	40,000	-	2	2	0	60,000	-
63		Vaccume Extractor	1	1	0	259,350	-	1	1	0	259,350	-	1	1	0	300,000	-	1	1	0	350,000	-
64		CTG Machine	1	2	0	628,049	-	1	2	0	628,049	-	1	2	0	725,000	-	1	2	0	900,000	-
65		ECG Machine Three Channel	1	0	1	169,785	169,785	1	0	1	169,785	169,785	1	0	1	180,000	180,000	1	0	1	300,000	300,000
66		Portable O.T Light	2	1	1	304,220	304,220	2	1	1	304,220	304,220	2	1	1	400,000	400,000	2	1	1	900,000	900,000
67		Baby Cot	2	1	1	14,669	14,669	2	1	1	14,669	14,669	2	1	1	16,000	16,000	2	1	1	16,000	16,000
68		Delivery trolly	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500	2	0	2	47,250	94,500
69		Desktop Fetal Heart Rate Detector	1	1	0	144,375	-	1	1	0	144,375	-	1	1	0	175,000	-	1	1	0	200,000	-
70	Surgical Emergency (10 beds)	Steam Sterilizer	0	1	0	3,355,849	-	0	1	0	3,355,849	-	0	1	0	4,000,000	-	0	1	0	7,800,000	-
71		Operation Table	0	0	0	1,426,215	-	0	0	0	1,426,215	-	0	0	0	2,000,000	-	0	0	0	2,500,000	-
72		MOBILE OPERATING LIGHT	0	3	0	285,466	-	0	3	0	285,466	-	0	3	0	400,000	-	0	3	0	900,000	-
73		Suction Pump	0	6	0	259,350	-	0	6	0	259,350	-	0	6	0	275,000	-	0	6	0	300,000	-
74		Laryngoscope	0	4	0	9,744	-	0	4	0	9,744	-	0	4	0	12,000	-	0	4	0	20,000	-
75		Set of Surgical Instruments	0	4	0	141,750	-	0	4	0	141,750	-	0	4	0	160,000	-	0	4	0	220,000	-
76	Others	Stretcher	10	5	5	68,250	341,250	10	5	5	68,250	341,250	10	5	5	69,300	346,500	10	5	5	69,300	346,500
77		wheel chair	10	9	1	31,500	31,500	10	9	1	31,500	31,500	10	9	1	35,000	35,000	10	9	1	35,000	35,000
78		foot support	6	0	6	4,200	25,200	6	0	6	4,200	25,200	6	0	6	4,500	27,000	6	0	6	5,148	30,888
79		Resuscitation trolly With Crash Cart	5	1	4	237,618	950,473	5	1	4	237,618	950,473	5	1	4	400,000	1,600,000	5	1	4	600,000	2,400,000
80		BP Appratus	15	77	0	15,750	-	15	77	0	15,750	-	15	77	0	16,000	-	15	77	0	16,000	-
81		Ventilator	0	0	0	2,195,080	-	0	0	0	2,195,080	-	0	0	0	3,500,000	-	0	0	0	5,500,000	-
82		CPAP	1	0	1	1,098,510	1,098,510	1	0	1	1,098,510	1,098,510	1	0	1	2,100,000	2,100,000	1	0	1	2,800,000	2,800,000
83		X-RAY PROCESSOR	1	0	1	858,440	858,440	1	0	1	858,440	858,440	1	0	1	925,000	925,000	1	0	1	1,200,000	1,200,000
84		Hand wash Scrub Double Bay	2	0	2	94,500	189,000	2	0	2	94,500	189,000	2	0	2	100,000	200,000	2	0	2	140,000	280,000
85		Image Inensifier	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	4,667,460	-	0	0	0	12,000,000	-
86		Central Medical Gass Pipe Line System	7	0	7	850,000	5,950,000	7	0	7	850,000	5,950,000	7	0	7	-	-	7	0	7	-	-
87	ICU	Motorized Patient bed with bed side,Mattress,IV stand, Attendant Bench	4	0	4	210,000	840,000	4	0	4	210,000	840,000	4	0	4	400,000	1,600,000	4	0	4	600,000	2,400,000
88		Sphygmomanometer wall mtd	4	0	4	15,750	63,000	4	0	4	15,750	63,000	4	0	4	30,000	120,000	4	0	4	35,000	140,000
89		Resuscitation trolly With Crash Cart	2	0	2	244,733	489,466	2	0	2	244,733	489,466	2	0	2	400,000	800,000	2	0	2	600,000	1,200,000
90		Defibrilator	1	0	1	299,153	299,153	1	0	1	299,153	299,153	1	0	1	650,000	650,000	1	0	1	800,000	800,000
91		Defibrillator with Monitor	0	0	0	330,750	-	0	0	0	330,750	-	0	0	0	650,000	-	0	0	0	800,000	-
92		ECG Machine Three Channel	0	0	0	169,785	-	0	0	0	169,785	-	0	0	0	180,000	-	0	0	0	300,000	-
93		Syringe pump	1	0	1	108,780	108,780	1	0	1	108,780	108,780	1	0	1	125,000	125,000	1	0	1	200,000	200,000
94		Suction Pump	0	0	0	259,350	-	0	0	0	259,350	-	0	0	0	275,000	-	0	0	0	300,000	-
95		ICU Monitor	0	0	0	298,200	-	0	0	0	298,200	-	0	0	0	900,000	-	0	0	0	1,250,000	-
96		Instrument Trolley	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000	1	0	1	55,000	55,000
97		Ward instruments	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-	0	0	0	-	-
98		Ventilator intensive care	2	0	2	1,600,000	3,200,000	2	0	2	1,600,000	3,200,000	2	0	2	3,500,000	7,000,000	2	0	2	5,500,000	11,000,000
99		CPAP with humidifier	0	0	0	1,098,510	-	0	0	0	1,098,510	-	0	0	0	2,100,000	-	0	0	0	2,800,000	-
100		DELIVERY TROLLY STAINLESS STEEL	1	0	1	23,835	23,835	1	0	1	23,835	23,835	1	0	1	47,250	47,250	1	0	1	47,250	47,250
101		Ambu-Bag, adult	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
102		Ambu-Bag, paeds	4	0	4	17,325	69,300	4	0	4	17,325	69,300	4	0	4	19,000	76,000	4	0	4	19,000	76,000
103	MORTUERY	TWO BODY REFRIGERATOR WITH CASTERS 220v 50Hz Along with Atopsy Table & Lifter Trolley	1	0	1	2,470,546	2,470,546	1	0	1	2,470,546	2,470,546	1	0	1	3,000,000	3,000,000	1	0	1	3,500,000	3,500,000
104	Dental Unit	Dental Unit	2	0	2	2,190,000	4,380,000	2	0	2	2,190,000	4,380,000	2	0	2	2,820,000	5,640,000	2	0	2	2,820,000	5,640,000
105		Autoclave	1	0	1	441,000	441,000	1	0	1	441,000	441,000	1	0	1	550,000	550,000	1	0	1	850,000	850,000
106		Dental X-RAY Machine	1	0	1	282,975	282,975	1	0	1	282,975	282,975	1	0	1	350,000	350,000	1	0	1	525,000	525,000
107		Digital Intra Oral Camera	0	0	0	94,500	-	0	0	0	94,500	-	0	0	0	150,000	-	0	0	0	600,000	-
108		DENTAL CAUTERY	0	0	0	84,000	-	0	0	0	84,000	-	0	0	0	160,000	-	0	0	0	900,000	-
109		Ultrasonic scaling	1	0	1	120,750	120,750	1	0	1	120,750	120,750	1	0	1	175,000	175,000	1	0	1	300,000	300,000
110		Curing lights	1	0	1	52,500	52,500	1	0	1	52,500	52,500	1	0	1	95,000	95,000	1	0	1	150,000	150,000
111		Endo motor system	1	0	1	199,601	199,601	1	0	1	199,601	199,601	1	0	1	265,000	265,000	1	0	1	500,000	500,000
112		Dental cabinet	0	0	0	42,000	-	0	0	0	42,000	-	0	0	0	70,000	-	0	0	0	160,000	-
113		Dental examination/surgical instrument sets	4	0	4	157,500	630,000	4	0	4	157,500	630,000	4	0	4	175,000	700,000	4	0	4	175,000	700,000
114	Beds	Fowler beds with Mattress	40	0	40	70,000	2,800,000	40	0	40	70,000	2,800,000	40	0	40	110,000	4,400,000	40	0	40	150,000	6,000,000
		Total					**52,486,535**					**52,486,535**					**68,289,570**					**107,069,138**
							52.487					**52.487**					**68.290**					**107.069**

Electricity

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost	Quantity	Per Unit Cost	Total Cost
1	Transformers (200 KVA)	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000	1	600,000	600,000
2	Transformers (100 KVA)	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000	1	450,000	450,000
3	Transformers (50 KVA)	0	300,000	-	0	300,000	-	0	300,000	-	0	300,000	-
4	Generator (200 KVA)	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-	0	4,000,000	-
5	Generator (100 KVA)	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000	1	2,300,000	2,300,000
6	2 Ton air conditioners (split)	14	55,500	777,000	14	55,500	777,000	14	55,500	777,000	14	55,500	777,000
7	2 Ton air conditioners (Cabinet)	48	78,000	3,744,000	48	78,000	3,744,000	48	78,000	3,744,000	48	78,000	3,744,000
8	4 Ton air conditioners (Cabinet)	7	120,000	840,000	7	120,000	840,000	7	120,000	840,000	7	120,000	840,000
9	Ceiling Fans 56"	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500	50	3,090	154,500
10	Exhaust Fans	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000	36	3,000	108,000
11	Bracket Fans 18"	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440	48	3,280	157,440
12	Dual Connection of Electricity / Express Line	1	5,000,000	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			**14,130,940**			**14,130,940**			**14,130,940**			**14,130,940**
				14.131			**14.131**			**14.131**			**14.131**

IT & QMS & Surveillance

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

Furniture and Fixtures

		Original			1st Revised			2nd Revised			3rd Revised		
Sr. No.	Item Name	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total	Quantity	Unit Price	Total
1	Benches (internal)	60	30,000	1,800,000	60	30,000	1,800,000	60	30,000	1,800,000	60	40000	2,400,000
2	Benches (external)	10	10,000	100,000	10	10,000	100,000	10	10,000	100,000	10	40000	400,000
3	Electric Water Cooler	8	45,000	360,000	8	45,000	360,000	8	45,000	360,000	8	60000	480,000
4	Doctors rooms Furniture	30	70,000	2,100,000	30	70,000	2,100,000	30	70,000	2,100,000	30	125000	3,750,000
5	Examination couches	10	35,000	350,000	10	35,000	350,000	10	35,000	350,000	10	35000	350,000
6	Fire Blanket	5	2,500	12,500	5	2,500	12,500	5	2,500	12,500	5	3000	15,000
7	Fire Extinguisher (Water Based)	30	8,000	240,000	30	8,000	240,000	30	8,000	240,000	30	2500	75,000
8	Acrylic Board	150	2,200	330,000	150	2,200	330,000	150	2,200	330,000	150	2000	300,000
9	Rostrum	2	18,000	36,000	2	18,000	36,000	2	18,000	36,000	2	20000	40,000
10	Blinds for windows	6000	150	900,000	6000	150	900,000	6000	150	900,000	6000	200	1,200,000
11	Paintings	100	6,000	600,000	100	6,000	600,000	100	6,000	600,000	100	5000	500,000
12	Waste Bin Sets (3 bin)	40	6,000	240,000	40	6,000	240,000	40	6,000	240,000	40	9000	360,000
13	Printing			1,000,000			1,000,000			1,000,000			1,000,000
	Machinery and Equipment's												
14	Refrigerator(Domestic) front glass double door	2	160,000	320,000	2	160,000	320,000	2	160,000	320,000	2	150000	300,000
15	Refrigerator glass single door	5	80,000	400,000	5	80,000	400,000	5	80,000	400,000	5	90000	450,000
16	Refrigerator 16 cft	5	36,000	180,000	5	36,000	180,000	5	36,000	180,000	5	50000	250,000
17	Air Curtain On Door	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	75000	375,000
18	Washing machines for pantries	3	13,000	39,000	3	13,000	39,000	3	13,000	39,000	3	11000	33,000
19	Gas Burner for pantries	10	4,800	48,000	10	4,800	48,000	10	4,800	48,000	10	80000	800,000
20	Fire Extinguishers DCP	30	4,800	144,000	30	4,800	144,000	30	4,800	144,000	30	6500	195,000
21	LED TV	15	55,000	825,000	15	55,000	825,000	15	55,000	825,000	15	140000	2,100,000
22	Industrial Exhaust	5	50,000	250,000	5	50,000	250,000	5	50,000	250,000	5	60000	300,000
23	Acrylic Display Board	4	20,000	80,000	4	20,000	80,000	4	20,000	80,000	4	20000	80,000
	Laundry & Washing												
24	Bed Sheets and pillow covers	300	1,250	375,000	300	1,250	375,000	300	1,250	375,000	300	2500	750,000
25	Pillows	150	400	60,000	150	400	60,000	150	400	60,000	150	500	75,000
26	Blankets with covers	100	5,000	500,000	100	5,000	500,000	100	5,000	500,000	100	4000	400,000
	Medicine Store												
27	Medicine (Iron Racks) 8x6x2 (Required)	20	50,000	1,000,000	20	50,000	1,000,000	20	50,000	1,000,000	20	60000	1,200,000
28	Moveable Iron Stairs (Required)	2	15,000	30,000	2	15,000	30,000	2	15,000	30,000	2	20000	40,000
29	Lifters (Required)	2	37,000	74,000	2	37,000	74,000	2	37,000	74,000	2	35000	70,000
30	Pallets 3x4 (Plastic) (Required)	20	12,000	240,000	20	12,000	240,000	20	12,000	240,000	20	10000	200,000
31	Dehumidifier (Required)	1	100,000	100,000	1	100,000	100,000	1	100,000	100,000	1	125000	125,000
32	Insect Killer (Required)	25	8,000	200,000	25	8,000	200,000	25	8,000	200,000	25	6500	162,500
33	Thermometer (Required)	20	16,000	320,000	20	16,000	320,000	20	16,000	320,000	20	600	12,000
	Total	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**951100**	**13,503,500**	**7169**	**1288300**	**18,787,500**
				13.504			**13.504**			**13.504**			**18.788**

Signage and plaques

			Original			1st Revised			2nd Revised			3rd Revised		
Sr No	**Type**	**Kinds of Sign Boards**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**	**Quantity**	**Rates**	**Cost**
		External Sign Boards												
1	A1	External Platform/Road Signage (Circular)	7	9,889	69,223	7	9,889	69,223	7	13,951	97,657	7	13,951	97,657
2	A2	External Platform/Road Signage (Triangular)	7	9,046	63,322	7	9,046	63,322	7	12,762	89,337	7	12,762	89,337
3	B1	Main Directional Board	1	109,939	109,939	1	109,939	109,939	1	155,107	155,107	1	155,107	155,107
4	C1	Directional Board (Single Sheet)	12	14,126	169,512	12	14,126	169,512	12	19,929	239,148	12	19,929	239,148
5	C2	Directional Board (Two Sheets)	1	21,984	21,984	1	21,984	21,984	1	31,016	31,016	1	31,016	31,016
6	C3	Directional Board (Three Sheets)	1	29,473	29,473	1	29,473	29,473	1	41,581	41,581	1	41,581	41,581
7	C4	Directional Board (Four Sheets)	1	36,396	36,396	1	36,396	36,396	1	51,351	51,351	1	51,351	51,351
8	C5	Directional Board (Five Sheets)	1	44,200	44,200	1	44,200	44,200	1	62,360	62,360	1	62,360	62,360
9	C6	Directional Board (Six Sheets)	1	51,607	51,607	1	51,607	51,607	1	72,810	72,810	1	72,810	72,810
10	C7	Additional Panel (For Fixation on existing Foundation & Posts)	3	7,763	23,289	3	7,763	23,289	3	10,952	32,857	3	10,952	32,857
11	D1	Departmental Signage on Building	7	46,133	322,931	7	46,133	322,931	7	65,087	455,612	7	65,087	455,612
12	E1	External Map Boards	3	40,251	120,753	3	40,251	120,753	3	56,788	170,365	3	56,788	170,365
		Internal Signage	0		-	0		-	0	-	-	0	-	-
1	F1	Internal Hanging Signage (Main Entrance)	5	88,808	444,040	5	88,808	444,040	5	125,294	626,472	5	125,294	626,472
2	F2	Internal Hanging Signage (Main Entrance 2)	5	67,616	338,080	5	67,616	338,080	5	95,396	476,980	5	95,396	476,980
3	F3	Internal Hanging Signage (Corridor)	5	50,077	250,385	5	50,077	250,385	5	70,651	353,255	5	70,651	353,255
4	F4	Internal Hanging Signage (Corridor 2)	5	50,657	253,285	5	50,657	253,285	5	71,470	357,350	5	71,470	357,350
5	G1	Internal Department Signage on wall	7	12,809	89,663	7	12,809	89,663	7	18,071	126,498	7	18,071	126,498
6	H1	Specialist Name Plaques fixed on wall	20	3,681	73,620	20	3,681	73,620	20	5,194	103,880	20	5,194	103,880
7	J1	Room Name Plaques and Numbers fixed on wall	110	847	93,170	110	847	93,170	110	1,194	131,362	110	1,194	131,362
8	K1	Internal Wall Signage	110	1,390	152,900	110	1,390	152,900	110	1,961	215,754	110	1,961	215,754
9	L1	Room Numbers Fixed on Wall	60	3,528	211,680	60	3,528	211,680	60	4,978	298,704	60	4,978	298,704
10	M1	Advance Fire Exit Sign	10	1,796	17,960	10	1,796	17,960	10	2,534	25,340	10	2,534	25,340
11	M2	Fire Exit Sign Mounted Above the Door	10	1,242	12,420	10	1,242	12,420	10	1,753	17,528	10	1,753	17,528
12	N1	Fire Safety/Equipment Signage	20	2,379	47,580	20	2,379	47,580	20	3,357	67,144	20	3,357	67,144
13	P1	Floor Map Board	5	20,609	103,045	5	20,609	103,045	5	29,075	145,376	5	29,075	145,376
14	Q1	Caution Signage	25	2,124	53,100	25	2,124	53,100	25	2,996	74,900	25	2,996	74,900
15	Q2	Caution Signage	5	639	3,195	5	639	3,195	5	902	4,508	5	902	4,508
16	Q3	Caution Signage	10	1,117	11,170	10	1,117	11,170	10	1,576	15,764	10	1,576	15,764
17	Q4	Caution Signage	15	868	13,020	15	868	13,020	15	1,225	18,375	15	1,225	18,375
		Total			**3,230,942**			**3,230,942**			**4,558,390**			**4,558,390**
		Designing and Site Supervision			96,928			96,928			136,752			136,752
		Grand Total			**3,327,870**			**3,327,870**			**4,695,142**			**4,695,142**
					3.328			3.328			4.695			4.695

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

DAY CARE CENTER

Yard Stick as per Women Dvelopment Department

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

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

Human Resource Model of THQ Hospital

		Original				1st Revised				2nd Revised				3rd Revised				
Sr. No.	NAME OF POST	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for One Year	No. of Employees	Per Month Salary	Per Month Salary for Person	Salary for Two Years	No. of Emplyees	Project Pay Scale	Per Month Salary	Per Month Salary for all Person	Salary for Two Years
1	ADMIN OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
2	HUMAN RESOURCE & LEGAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
3	IT/STATISTICAL OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
4	FINANCE, BUDGET & AUDIT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
5	PROCUREMENT OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
6	QUALITY ASSURANCE OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
7	LOGISTICS OFFICER	1	60,000	60,000	720,000	1	60,000	60,000	720,000	1	80,000	80,000	1,920,000	1	6	105,000	105,000	3,255,000
8	DATA ENTRY OPERAOTOR (DEO)	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	35,000	70,000	1,680,000	2	3	44,000	88,000	2,728,000
9	ASSISTANT ADMIN OFFICER	2	40,000	80,000	960,000	2	40,000	80,000	960,000	2	50,000	100,000	2,400,000	2	5	70,000	140,000	4,340,000
10	**HR FOR QMS and MSDS and Day Care Center**																	
11	QMS Supervisor / Information Desk Officer	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2	25,000	50,000	600,000	2		25,000	50,000	600,000
12	Computer Operator	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8	20,000	160,000	1,920,000	8		20,000	160,000	1,920,000
13	Consultants (MSDS) Implementation & Clinical Audit	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1	100,000	100,000	1,200,000	1		100,000	100,000	1,200,000
14	Training on MSDS Compliance for Staff of THQ Hospital	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000	4,000	4,000,000	4,000,000	1000		4,000	4,000,000	4,000,000
15	Rent for Vehicle				500,000				500,000				500,000				0	500,000
16	Manager Day Care Center	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1	45,000	45,000	540,000	1		45,000	45,000	540,000
17	Montessori Trained Teacher	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1	35,000	35,000	420,000	1		35,000	35,000	420,000
18	Attendant / Care Giver	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4	25,000	100,000	1,200,000	4		25,000	100,000	1,200,000
19	Office Boy	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1	20,000	20,000	240,000	1		20,000	20,000	240,000
	Sub Total of HR Model			**4,860,000**	**17,220,000**			**4,860,000**	**17,220,000**			**5,040,000**	**28,140,000**				**5,273,000**	40,473,000
					17.220				**17.220**				**28.140**					**40.473**
	Utilization of HR Component								**10.710**				**16.993**					
	Total of HR Component												**38.85**					**57.466**

Janitorial Services

	Original			From 1st Revised to onwards
Assumptions				In the light of decision made during the Progress Review Meeting of Revamping of DHQ/THQ Hospitals held on 01-01-2018 under the Chairmanship of Chairman, P&D Board; it was inter alia decided as under: **"It would be made sure by the P&SH Department that the outsourcing would be shifted to the non-development side from 1st July 2018 next FY".** In view of above, Outsourcing cost has been excluded from this PC-I.
Covered area excluding residential area	42,016	sft		
Covered area assigned to one sweeper	7,500	sft		
Number of sweepers required for covered area	6	Persons		
Road and ROW area	114,656	sft		
Road and ROW assigned to one sweeper	15,000	sft		
Number of sweepers required for road and ROW area	8	Persons		
Number of washroom blocks	24	blocks		
Number of washroom block assigned to one sweeper	3	Persons		
Number of sweepers required for total washroom blocks	8	Persons		
Total sweeper in morning shift	22	Persons		
Total number of sweepers in evening shift	4	Persons		
Total number of sweepers in night shift	11	Persons		
Total number of sweepers in all shifts	42	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	42	22,000	11,194,445	
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)			**17,722,445**	

17.722

Security and

Original

Assumptions	
Covered area excluding residences	42,016
Covered Area per guard	15,000
Number of guards	**3**
Open area excluding parking area	114,656
Area covered per guard per shift for open area excluding parking	15,000
Number of guards for total area excluding parking area	**8**
Number of gates	2
Number of guards at gates	**4**
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)	**18**
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	8	21,525	172,200	2,066,400
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				**6,728,400**
Equipment cost				
Lump sum Provision (Walk Through Gate=1, Metal Detector=4, Walkies Talkies=8, Base Set=1)				400,000
Sub total				**400,000**
Subtracting Parking Fees				500,000
Total Security and Parking Services				**6,628,400**
				6.628

ł Parking

From 1st Revised to onwards

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

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

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

Laundry

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

y Services

From 1st Revised to onwards

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

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

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

Maintenance c

Original

Item Name	Quantity	Cost per year	Total Cost
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)	1	175,000	175,000
Repairs Cost	1	475,000	475,000
HR Cost			
Supervisor	1	40,000	240,000
Generator Operator	3	30,000	1,080,000
Technical Staff/Mechanic	-	30,000	-
Total			**2,270,000**
			2.270

of Generator

From 1st Revised to onwards

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

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

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

M

	Original			
Type of worker / Component	**No of workers**	**Salary per month**	**Salary per Month for all persons**	**Salary for One Year**
Supervisors	1	56,420	56,420	677,040
Plumber	1	32,550	32,550	390,600
AC/ Technician	1	34,720	34,720	416,640
Electrician	2	31,465	62,930	755,160
Car painter	1	30,380	30,380	364,560
Total (Salary component)			**217,000**	**2,604,000**
	No.	**Per Unit Cost per Year**	**Cost per Year for all Items**	**Cost for One Year**
A/C	86	6,665	573,190	573,190
Fridge	5	4,000	20,000	20,000
UPS	12	8,000	96,000	96,000
Water Cooler	15	4,000	60,000	60,000
Exhaust	7	3,000	21,000	21,000
Geyser	15	4,000	60,000	60,000
Water Pump	3	3,000	9,000	9,000
Carpentry Work		-	180,000	180,000
Electrical Work		-	120,000	120,000
Plumbing Work		-	75,000	75,000
Sub Total				**1,214,190**
General Total				**3,818,190**
				3.818

IEP

From 1st Revised to onwards

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

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

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

Medical Ga

Original

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

1.304

ases

From 1st Revised to onwards

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

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

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

Cafeter

Pre-Fabrication Cateen

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

Cafeter

Pre-Fabrication Cateen

		Original			
23	Plumbing and Sanitory				410,000
24	Kitching Fixtures				802,000
	Grand Total Amount (Rs)				**6,742,856**

6.743

ia

(Procurement)

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.

ia

(Procurement)

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

					LANDSCAPE DEVELOPM
					COST ESTIMA
					Original
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	27,696	22	609,312
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	34,375	68,750
1.3	**GRASSING**				
a	**GRASSING (EXISTING NON MAINTANE LAWNS)**				
	Providing and dibbing of Fine Dacca grass where	Sft	37,984	7	265,888
b	**GRASSING (NEW LAWNS)**				
	Providing and dibbing of Fine Dacca grass , including mud filling/leveling and contour shape preparation confirming to the criteria outlined in the Specifications, complete in all respects as per Drawings, Specifications and as approved by the Engineer.	Sft	47,480	11.25	534,150
1.4	**TREE / SHRUBS (SPREADING)**				
	Providing and planting tree / shrub as listed and as arrangement and type shown in the Drawings, in pits of size 305mm x 305mm x 305mm. Dug in improved soil 610mm. deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .				
a	Trees 18" pot 6'-7' - Terminally, Cassia Fistula, Bauhinia Variegated, Alstonia Choirs, Ficus Yellow, Ficus Black, Jacaranda, Pilken, Mangifera etc.	No's	194	1,500	291,000
b	Trees 12" pot 3'-4' - Polyalthia Long folia, Terminally, Cassia Fistula, Bauhinia Variegated, Latonia Choirs, Delonix Regia, Ficus Yellow, Focus Black, fichus Starlight, Melaluca, Mimuspps, Pine, Ficus Amestal, Pilken, Palms etc.	No's	45	270	12,150
c	Plantation of Fruit Plants in the vacant area 12" pot 3'-4' - Am rood, Jaman, Berri, Mango, Citrus. Including site preparation, plantation, watering and maintenance for six months.	No's	40	600	24,000
1.5	Shrubs and Ornamental Plants 10" pot Pittosporum Variegated, Murray Small, Ixora Coccinea, Juniper Varigated, Hibiscus Varigated, Carronda Dwarf Spp, Jasmine Sambac(Mottya), Leucophyllum Frutescens(Silvery), Rose, Nerium, Lantana, Canna, Asparagrass, Conocarpus, Acalypha, Callistemon Dwarf, Cestrum, Thabernaemontara Variegated etc.	No's	17,265	69	1,191,285
a	Shrubs and Ornamental Plants 12" pot Pittosporum Varigated, Ixora Cochineal, Juniper Variegated, Carronade Dwarf, Jasmine Thai, Plumier Robar, Cassia Malacca, Largest mea, Euphorbia, Jestropha Thai etc	No's	2,713	195	529,035
1.6	**GROUND COVERS**				
	Providing and planting ground covers as listed and as arrangement and type shown in the Drawings, in pits of size 150mm x 150mm x 150mm. Dug in improved soil 610mm deep filled by adding 10% cow dung manure and confirming to the criteria outlined in the Specifications, complete in all respects and to the satisfaction of Engineer .				
	Ground Cover Plastic Bag Plants Alternant Hera, Dianella, Iresine (Red), Hemercollis(Daylily), Duranta etc	No's	18,439	12	221,268
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	22	3,675	80,850
b	Palm 18" pot - Phoenix Palm, Cyrus Palm	No's	29	1,800	52,200
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	92	195	17,940
2	**HARD LANDSCAPE**				
2.1	**WALK WAYS**				
a	Excavation of walkways and edging including brick ballast under 12"X14" curb stones fixing with1:2:4 PCC, supply of 7000PSI tuff tiles 60mmas per approved design fixing on 4" brick ballast compacted and grouting with sand.	Sft	3798	150	569,700

		LANDSCAPE DEVELOPM			
		COST ESTIMA			
		Original			
2.2	**BENCHES**				
	Concrete Bench 5' wide complete in all respects and to the satisfaction of Engineer as per approved design.	No's	18	14,698	264,564
2.3	**DUSTBINS**				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	12	27,700	332,400
2.4	**PLAYING EQUIPMENTS**				
	Complete in all respects and to the satisfaction of Engineer as per approved design.	No's	1	544,939	544,939
2.5	**PLANTERS**				
	Concrete planters 2' X 2-1/2' complete in all respects and to the satisfaction of Engineer as per approved design.	No's	16	3,850	61,600
2.6	**WATER POINTS (Injector Pump 1HP)**	No's	3	45,000	135,000
3	**SOFT LANDSCAPE MAINTENANCE** (Including maintenance and up keeping of site for 6 months) after development as per specifications and to the satisfaction of Engineer.	Sft	94,959	9.00	854,631
4	**CONSTRUCTION OF PLANTERS**				
4.1	**Large Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	369	550	202,950
4.2	**Medium Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	48	550	26,400
4.3	**Small Size** with keystones fixed with cement with top concrete slab as per design and to the satisfaction of Engineer.	No's	88	550	48,400
5	**GAZEEBO** Construction of Gazebo 12' X 12' with top fiberglass 3 layer canopy as per approved design and to the satisfaction of Engineer.	No's	1	200,000	200,000
	Total Amount of - Landscaping				**7,138,412**
	PRA(16%)				1,142,146
	Design Consultancy				100,000
	TPV (3%)				214,152
	Grand Total				**8,594,710**
					8.595

IENT WORKS

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From 1st Revised to onwards

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

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

In view of above, Outsourcing cost has been excluded from this PC-I whereas Rs. 0.048 million has been charged in this scheme against Design Consultancy from development side before the above said decision, hence it is reflected in this PC-I.

IENT WORKS
.TE
From 1st Revised to onwards

☎ 061-9200384-5

OFFICE OF THE SUPERINTENDING ENGINEER
BUILDINGS CIRCLE MULTAN.

To

The Director Infrastructure,
Project Management Unit,
Primary & Secondary HealthCare Department,
Lahore.

No. 2179 /DB Dated 20 / 8 /2022.

Subject: **AMENDED ROUGH COST ESTIMATE FOR THE SCHEME "REVAMPING OF ALL THQ HOSPITAL IN PUNJAB ONE AT TEHSIL HEAD QUARTER HOSPITAL JAHANIAN DISTRICT KHANEWAL ADP NO.658/2022-23".**

A.
The Rough Cost Estimate dully vetted for amounting to **Rs.49.246 (M)** for the work cited as subject Prepared on the basis of Plinth Area Rates / MRS 2nd Bi-Annual 2022 (District Khanewal) for arranging Amended Administrative Approval and funds from the competent forum please.

DA/ Estimate

Superintending Engineer
Buildings Circle M u l t a n

Endst: No. 2180 /DB **Dated** / /2022.

A copy is forwarded for information to the:

1. Executive Engineer, Buildings Division Khanewal with reference to his letter No. 1022/DB dated:07-08-2022.

DA/Nil:

RE	
Dairy No.	4428
Date:	25-8-22
PMU, P & SH	
Deputy PD	
F & A	
Procurement	
Infrastructure	✓
Planning & HR	
ICT	
Operations C/N/S	
Health Specialist	
CTO BERC	
Procurement Cell	
O & Sourcing	

Superintending Engineer
Buildings Circle M u l t a n

Mr. Hamza
Fax
26/9/22

GOVERNMENT OF THE PUNJAB

BUILDINGS DIVISION KHANEWAL

AMENDED ROUGH COST ESTIMATE FOR THE "PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23).

ESTIMATED COST: Rs: 49.246(M)

BUILDINGS SUB-DIVISION JAHANIAN

ROUGH COST ESTIMATE FRAMED IN THE OFFICE OF THE EXECUTIVE ENGINEER BUILDING DIVISION KHANEWAL FOR THE "PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23).

HISTORY:

The Government of Punjab is taking various measures to improve healthcare facilities for the people of the Punjab at Primary, Secondary and Tertiary Level. The scheme was approved for Rs: 230.318 (M) **(Capital Component 26.965 (M)** + Revenue component 203.353 (M) by the Secretary to Govt. of Punjab Primary & Secondary HealthCare Department Vide Order No. PO(D-II)1-237/2021, dated 09-11-2021. But Fund not received during the financial Year 2021-22. The Scheme Program for Revamping of all THQ Hospitals in Punjab" is reflected in ADP 2022-23 at serial No. 658 with block allocation **1300.000 (M)** for the current Financial Year.

In order to decide the scope of Work for the Revamping of THQ Jahanian, a kick-off meeting was held at THQ Jahanian, which was attended by the concerned officials from PMU P&S Health Department, concerned Officers / officials of Building Department of CWD and MS THQ Jahanian. A detailed scope of work, for the revamping of THQ, was decided, documented and communicated to Building Department Officers / officials. (Scope of work attached herewith)

Hence, the Amended Rough Cost Estimate for amounting to **Rs: 49.246 (M)** has been prepared on MRS/Plinth Area Rates for **2nd Bi-Annual 2022** for arranging Administrative Approval and funds from the competent authority please.

SCOPE OF WORK:

1. Revamping of THQ Main Building + Emergency Block
   - i) Provision of 24"x24" porcelain floor tile with 6' height skirting in corridor, OT, Labor room etc. after dismantling existing concrete floor.
   - ii) Laying of Granite Marble Front Entrance Steps with riser.
   - iii) Laying of China Verna Marble in Stair Steps with riser.
   - iv) Emulsion Paint on walls and Ceiling.
   - v) Weather shield paint outside of building with repair of pointing / plastering
   - vi) Provision /Installation of Electrical Equipment.
   - vii) Revamping of lavatories with replacement of tiles upto 7' height

   Replacement of doors with PVC doors, sanitary Installation and water supply fittings, UPVC Nikasi pipe, Provision of vanities etc.
2. Electric Installation
3. Reception Counter
4. Construction of Electrical Panel Room = 232-Sft
5. Provision of External Sewerage System

6. Provision of Filtration RO Plant with room & ver E.I & S.I etc. = 01-Job.
7. Provision of OHR & Water Supply System
8. Smoke detector/ fire alarm system . = 01-Job.
9. External Development
10. WAPDA Connection Charges

SPECIFICATION

The work will be carried out according to P.W.D specifications and entire satisfaction of the Engineer Incharge.

RATES: The estimate is based on plinth area rate/MRS for **2nd Bi-Annual 2022** circulated by the Chief Engineer Punjab Building Department, (South Zone) Lahore.

COST: The Total estimated cost for this work comes to **Rs: 49.246(M).**

TIME: It will take **18-Months** to complete the work form the actual date of commencement.

Jawad

SUB DIVISIONAL OFFICER
Buildings Sub-Division,
Jahanian

EXECUTIVE ENGINEER
Buildings Division,
Khanewal

Primary & Secondary Healthcare

(PKR Million)

S 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	
	2	3	4	5	6	7	8	9	10
656	Establishment of Cardiac Ward at RHC Khan Bela, Tehsil Liaquatpur, District Rahim Yar Khan 01032107937 / 17-07-2021 / Rahim Yar Khan	43.659	5.000	1.000	0.000	1.000	37.659	0.000	0.000
657	Establishment of THQ Hospital Bhowana District Chiniot 01081100024 / 16-05-2012 / Chiniot	397.804	125.000	10.000	0.100	10.100	262.704	0.000	0.000
658	Programme for Revamping of all THQ Hospitals in Punjab 01371700456 / 12-02-2019 / Punjab	22,060.239	6,446.220	1,300.000	500.000	1,800.000	7,826.305	5,987.715	0.000
659	Upgradation of Existing Trauma Centers and Establishment of New Trauma Centers across the Punjab 01372100633 / 30-07-2021 / Punjab	5,000.000	1,002.774	0.000	100.000	100.000	3,045.597	0.000	0.000
660	Balance Work of Revamping of all DHQ / 15 THQ Hospitals in Punjab 01372101939 / 30-07-2021 / Punjab	4,940.000	1,283.000	900.000	400.000	1,300.000	1,632.151	0.000	0.000
661	Establishment of a Health Facility in Rakni,District Barkhan Balochistan 01372154482 / 01-02-2022 / Punjab	589.021	240.000	0.000	10.000	10.000	339.021	0.000	0.000
	Total: Secondary Health Care	89,810.279	39,189.028	2,801.527	1,767.145	4,568.672	34,104.178	9,538.224	0.000
	Special Initiatives								
662	Prime Minister Health Initiative 01371900805 / 21-11-2019 / Punjab	2,524.446	1,297.517	0.000	650.000	650.000	576.929	0.000	0.000
	Total: Special Initiatives	2,524.446	1,297.517	0.000	650.000	650.000	576.929	0.000	0.000
	Total: ON-GOING SCHEMES	138,585.819	55,742.571	3,946.086	6,147.094	10,093.180	56,959.869	13,661.603	0.000
	NEW SCHEMES								
	Preventive Health Care								
663	Integrated Program for Communicable Disease Control, Punjab 01372001521 / Un-Approved / Punjab	1,000.000	0.000	0.000	200.000	200.000	800.000	0.000	0.000
664	Infection Control Program Phase (II) 01372200879 / Un-Approved / Punjab	1,000.000	0.000	0.000	200.000	200.000	800.000	0.000	0.000
665	National Health Support Project (NHSP) 01372202153 / Un-Approved / Punjab	3,870.000	0.000	0.000	10.000	10.000	3,860.000	0.000	0.000
666	Strengthening of Family Planning Services in Primary & Secondary Health Facilities 01372202154 / Un-Approved / Punjab	4,000.000	0.000	0.000	10.000	10.000	3,990.000	0.000	0.000
667	Strengthening of Preventive Programs 01372202162 / Un-Approved / Punjab	1,000.000	0.000	0.000	400.000	400.000	600.000	0.000	0.000
	Total: Preventive Health Care	10,870.000	0.000	0.000	820.000	820.000	10,050.000	0.000	0.000
	Primary Health Care								
668	Strengthening of Urban Dispensaries / Filter Clinics 01372202161 / Un-Approved / Punjab	400.000	0.000	100.000	150.000	250.000	150.000	0.000	0.000
669	Replacement of Beds and Other Equipment at BHUs of Punjab 01372202278 / Un-Approved / Punjab	400.000	0.000	0.000	400.000	400.000	0.000	0.000	0.000

THQ Hospital Jahanian
District Khanewal

No. 1443/THQ JHN KWL
OFFICE OF THE MEDICAL SUPERINTENDENT
21 . 07 . 2022

(11)

To,

The Executive Engineer,
Buildings Division, Khanewal

Subject: **REQUEST FOR ESTIMATE REGARDING REVAMPING**

With reference to subject cited above.

It is submitted that team of Project management Unit, Primary & Secondary Healthcare Department, Punjabhas conducted a detailed visit along with officers/officials of Buildings Division Khanewal on 18.06.2022 regarding revamping of THQ Hospital Jahanian District Khanewal.

It is requested to please provide estimate for revamping of THQ Hospital Jahanian as mentioned below & as per your official record of visit to proceed further into the matter please.

1. Renovation of main Building (with washrooms & mortuary)
2. Electrification of main Building
3. Water Disposal Line connection to main TMA line.
4. Express Line/Dual Supply with Transformers
5. Water Filteration Plant
6. Water Supply System

This is for kind information and necessary action please.

MEDICAL SUPERINTENDENT
THQ HOSPITAL JAHANIAN

Copy forwarded for kind information to:-

1. Te Project Director, Project Management Unit, Primary & Secondary Heathcare Department Punjab
2. The Sub-Divisional Officer, Building Sub-Division Jahanian
3. Office Copy.

Contact us: +926-522-107-80. thq.jahanian@gmail.com

Primary & Secondary Healthcare Department

GOVERNMENT OF THE PUNJAB
Dated Lahore the 24-11-2021

A (12)

ORDER

No.PO(D-II)1-237/2021: Consequent upon the decision of Departmental Development Sub Committee (DDSC), in its meeting held on 17.08.2021, the Governor of the Punjab is pleased to accord 2nd revised Administrative Approval of 60 sub-schemes under block scheme titled "Programme for Revamping of all THQ Hospitals in Punjab" at cost mentioned against each sub-scheme, with revised gestation period upto 30.06.2023:

Rs. in Millions

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
1	Revamping of THQ Hospital, 18-Hazari District Jhang	14.956	205.709	220.665
2	Revamping of THQ Hospital, Ahmedpur Sial District Jhang	31.060	191.004	222.064
3	Revamping of THQ Hospital, Bhera District Sargodha	47.352	198.313	245.665
4	Revamping of THQ Hospital, Chak Jhumra District Faisalabad	47.323	195.857	243.180
5	Revamping of THQ Hospital, Choa Saiden Shah District Chakwal	101.824	206.809	308.633
6	Revamping of THQ Hospital, Dinga District Gujrat	14.858	199.147	214.005
7	Revamping of THQ Hospital, Fateh Jhang District Attock	44.181	198.227	242.408
8	Revamping of THQ Hospital, Sillanwali District Sargodha	44.782	180.970	225.752
9	Revamping of THQ Hospital, Sohawa District Jhelum	87.554	189.648	277.202
10	Revamping of THQ Hospital, City Hospital Talagang District Chakwal	48.005	198.007	246.012
11	Revamping of THQ Hospital, Bhalwal District Sargodha	47.643	204.362	252.005
12	Revamping of THQ Hospital, Shorkot District Jhang	40.307	185.070	225.377
13	Revamping of THQ Hospital, Ferozewala District Sheikhupura	33.815	200.094	233.909
14	Revamping of THQ Hospital, Kallar Kahar District Chakwal	46.028	200.588	246.616
15	Revamping of THQ Hospital, Kallar Syedan District Rawalpindi	116.706	214.153	330.859
16	Revamping of THQ Hospital, Kot Momin District Sargodha	47.789	166.711	214.500

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
17	Revamping of THQ Hospital, Pindi Bhattian District Hafizabad	71.599	164.789	236.388
18	Revamping of THQ Hospital, Sharakpur Sharif District Sheikhupura	49.736	201.746	251.482
19	Revamping of THQ Hospital, Hassan Abdal District Attock	94.954	172.721	267.675
20	Revamping of THQ Hospital, Khairpur Tamewali District Bahawalpur	35.773	186.083	221.856
21	Revamping of THQ Hospital, Noshehra Virkan District Gujranwala	14.984	190.699	205.683
22	Revamping of THQ Hospital, Safdarabad District Sheikhupura	49.949	193.357	243.306
23	Revamping of THQ Hospital, Sambrial District Sialkot	80.617	193.382	273.999
24	Revamping of THQ Hospital, Shakargarh District Narowal	95.535	225.674	321.209
25	Revamping of THQ Hospital, Talagang District Chakwal	36.911	193.007	229.918
26	Revamping of THQ Hospital, Depalpur District Okara	66.879	195.386	262.265
27	Revamping of THQ Hospital, Hasilpur District Bahawalpur	36.223	205.331	241.554
28	Revamping of THQ Hospital, Kharian District Gujrat	14.419	202.032	216.451
29	Revamping of THQ Hospital, Khushab District Khushab	87.683	196.338	284.021
30	Revamping of THQ Hospital, Muridke District Sheikhupura	60.392	208.829	269.221
31	Revamping of THQ Hospital, Pasrur District Sialkot	10.882	208.416	219.298
32	Revamping of THQ Hospital, Pindi Gheb District Attock	163.123	236.342	399.465
33	Revamping of THQ Hospital, Shahkot District Nankana	49.809	197.012	246.821
34	Revamping of THQ Hospital, Shahpur District Sargodha	48.998	190.360	239.358
35	Revamping of THQ Hospital, Yazman District Bahawalpur	44.523	160.991	205.514
36	Revamping of THQ Hospital, Chowk Azam District Layyah	47.156	210.394	257.550
37	Revamping of THQ Hospital, Lalian District Chiniot	19.914	190.140	210.054
38	Revamping of THQ Hospital, Murree District Rawalpindi	14.996	180.758	195.754
39	Revamping of THQ Hospital, Rojhan District Rajanpur	14.048	200.543	214.591

Sr. No.	Sub-Scheme Title	2nd Revised Cost		
		Capital Component	Revenue Component	Total
40	Revamping of THQ Hospital, Thal (Nawaz Sharif Hospital) District Layyah	49.457	216.699	266.156
41	Revamping of THQ Hospital, Darya Khan District Bhakkar	37.975	211.198	249.173
42	Revamping of THQ Hospital, Dunyapur District Lodhran	10.040	165.314	175.354
43	Revamping of THQ Hospital, Jahanian District Khanewal	26.965	203.353	230.318
44	Revamping of THQ Hospital, Kotli Sattian District Rawalpindi	26.949	199.680	226.629
45	Revamping of THQ Hospital, Kot Sultan District Layyah	45.918	201.877	247.795
46	Revamping of THQ Hospital, Alipur District Muzaffargarh	38.221	197.188	235.409
47	Revamping of THQ Hospital, Choubara District Layyah	36.589	206.216	242.805
48	Revamping of THQ Hospital, Fort Abbas District Bahawalnagar	9.932	197.810	207.742
49	Revamping of THQ Hospital, Haroonabad District Bahawalnagar	12.235	193.588	205.823
50	Revamping of THQ Hospital, Jalalpur Pirwala District Multan	25.103	206.068	231.171
51	Revamping of THQ Hospital, Jampur District Rajanpur	44.967	182.199	227.166
52	Revamping of THQ Hospital, Jatoi District Muzaffargarh	52.216	207.414	259.630
53	Revamping of THQ Hospital, Kabirwala District Khanewal	24.787	219.815	244.602
54	Revamping of THQ Hospital, Kamalia District Toba Tek Singh	72.400	189.701	262.101
55	Revamping of THQ Hospital, Karor Lalesan District Layyah	45.900	227.684	273.584
56	Revamping of THQ Hospital, Kehror Pacca District Lodharan	41.127	208.091	249.218
57	Revamping of THQ Hospital, Mailsi District Vehari	48.045	196.999	245.044
58	Revamping of THQ Hospital, Minchinabad District Bahawalnagar	11.667	213.996	225.663
59	Revamping of THQ Hospital, Pind Dadan Khan District Jehlum	85.879	219.752	305.631
60	Revamping of THQ Hospital, Kunjah District Gujrat	25.236	184.414	209.650

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

(15)

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

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

(IMRAN SIKANDAR BALOCH)
SECRETARY P&SH DEPARTMENT

NO. & DATE EVEN:

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

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

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

AMENDED ROUGH COST ESTIMATE FOR THE "PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23). COMPRATIVE STATEMENT

Sr. No.	Description of Items	As Per Approved Rough Cost Estimate (MRS 2nd Bi-Annual 2021)				As Per Amended Rough Estimate (MRS 2nd Bi-Annual 2022)						Difference		Remarks
		Plinth Area/Qty.	Unit	Rate	Amount	Plinth Area/Qty.	Unit	B.P	E.I	Total	Amount	Excess	Saving	
1	**Non Residential Portion**													
i-	Construction of Medicine Store	725	P.Sft		1753500	--	--	--	--	--	--	--	1753500	
ii	Improvement / Rehablitation (Mian Building)													
iii	O.P.D Block	1	P.Job.	3563700	9271500	1	P.Job	22286700 ~~25056500~~	--	--	22286700 ~~25056500~~	13495200 ~~15785000~~	--	Detail attached
iv	Indoor Block, Kitchen Block, Emergency Block, Mortury Block & Link Passage etc)	1	P.Job.	1829900										
v	Diagnastic Block	1	P.Job.	3877900										
2	**External Development**	1	Job	763100	763100	--	--	--	--	--	--	--	763100	
3	**Construction of Parking Shed**	8319	P.Sft	731	6081189	--	--	--	--	--	--	--	6081189	
4	**Construction of Burial Pit**	210	P.Sft		948200	--	--	--	--	--	--	--	948200	
5	**Construction of OHR (10000 Gallons) Capacity**	10000	P.Gln	215	2150000	10000	P.Gln	325	--	325	3250000	1100000	--	Anyalsis attached
6	**Provision of Filteration RO Plant with room & ver E.I & S.I etc.**	1	Job	2908000	2908000	1	P.Job	4056000	--	4056000	4056000	1148000	--	Anyalsis attached
7	**Residential Portion**													
i	Residences 1650 Sft 02-Nos. & Residence (3150 Sft) 02-Nos.	1	Job	809500	809500	--	--	--	--	--	--	--	809500	
ii	Quarter No. 1 (600 Sft) for BPS 5-10	1	Job	422200	422200	--	--	--	--	--	--	--	422200	
iii	Quarter No. 2 (600 Sft) for BPS 5-10	1	Job	387000	387000	--	--	--	--	--	--	--	387000	
8	Provision/Installation of Electrical Equipment.	--	--	--	--	1	P.Job	4542500	--	4542500	4542500	4542500	--	Detail attached
9	Reception Counter	--	--	--	--	5	P.Job	158900	--	158900	794500	794500	--	Detail attached
10	Construction of Electrical Panel Room ~~(14-1/4x16-1/4)= 232 Sft~~ (17¼x20¼) = 349	--	--	--	--	349 ~~232~~	P.Sft	3605	227	3832	1337368 ~~889024~~	1337368 ~~889024~~	--	As per Plinth Area
11	Provison of Sewerage System	--	--	--	--	1	P.Job	1043200	--	1043200	1043200	1043200	--	Detail attached
12	Provision of Water Supply System	--	--	--	--	1	P.Job	3461600	--	3461600	3461600	3461600	--	Detail attached

Sr. No.	Description of Items	As Per Approved Rough Cost Estimate (MRS 2nd Bi-Annual 2021)				As Per Amended Rough Estimate (MRS 2nd Bi-Annual 2022)						Difference		Remarks
		Plinth Area/Qty.	Unit	Rate	Amount	Plinth Area/Qty.	Unit	B.P	E.I	Total	Amount	Excess	Saving	
13	Providing and Installation , testing and commissioning of fire alram system i/c smoke detectors, sonders, manual call points, heat detectors, Emergency light, control panells conduting and cabling, C-TEC UK i/c cost of CO2 and DCP fire extinguisher complete in working order as approved by the engineer incharge.	--	--	--	--	1	P.Job	2004000	--	2004000	2004000	2004000	--	Anyalsis attached
	TOTAL				**25494189**						~~45097324~~ 43434268	~~18033600~~ 15263200	**11164689**	
	D/d Cost of Old Material				115000						--			
	Balance Rs:				**25379189**						~~45097324~~			
	Add 10% External Development				225807	on Rs:		~~1337368~~ 889024			133737/- ~~88902~~			
	TOTAL RS:				**25604996**						~~43568005~~ ~~45186226~~			
	Add 5% PRA				1280250						217840 ~~2259311~~			
	Add Sui Gas Connection charges				40000						--			
	Add WAPDA Connection charges				40000						350000/- ~~4800000~~			
	TOTAL Rs:				**26965246**						4924640/- ~~49245538~~			
	SAY RS:				**26.965 (M)**						**49.246 (M)**			

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

vetted for Rs. 49.246 (M)

Superintending Engineer
Building Circle Multan

(11)

(18)

AMENDED ROUGH COST ESTIMATE FOR THE "PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23).

(ABSTRACT OF COST)

Sr. No.	Description of work	Amount	Remarks
1.	**Revamping of THQ Main Buildings + Emergency**		
	a) Building Portion	~~22581000~~ 20032300/-	
	b) Public Health Installation	~~1745700~~ 1605300/-	
	TOTAL RS:	~~24326700~~ 21637600/-	
	Add 3% Contigency	~~729801~~ 649128/-	
	TOTAL RS:	~~25056501~~ 22286728	
	SAY RS:	~~25056500~~ 22286700/-	

SUB ENGINEER

Javeed
SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

1	Removing door											=	**51 Nos.**		
													@ 438.00 Each		22338
2	Removing window sky light with chowkat											=	**52 Nos.**		
													@ 341.50 Each		17758
3	Removing ventilators and wooden sunshade etc.											=	**10 Nos.**		
													@ 179.00 Each		1790
4	Dismantling glazed encaustic tiles														
	Admin block														
	Bath room			1	x	9	x	9 1/8				=	82 Sft		
	,,			2	x	4 1/2	x	6				=	54 ,,		
		1	x	2	x(	9	+	9 1/8	)x	6		=	218 ,,		
		2	x	2	x(	4 1/2	+	6	)x	6		=	252 ,,		
	ii) OT Block														
	SMO			1	x	19	x	12 1/2				=	238 ,,		
	X-Ray			1	x	15 2/3	x	19				=	298 ,,		
	Dark room			1	x	10	x	9 1/4				=	93 ,,		
	OT			1	x	19	x	19				=	361 ,,		
	Gallary			1	x	6	x	19				=	114 ,,		
	Labour room			1	x	19 1/4	x	19				=	366 ,,		
	EOT			1	x	12 1/2	x	19				=	238 ,,		
	SMO	1	x	2	x(	19	+	12 1/2	)x	1/2		=	32 ,,		
	X-Ray	1	x	2	x(	15 2/3	+	19	)x	1/2		=	35 ,,		
	Dark room	2	x	2	x(	10	+	9 1/4	)x	1/2		=	39 ,,		
	OT	1	x	2	x(	19	+	19	)x	1/2		=	38 ,,		
	Gallary	1	x	2	x(	6	+	19	)x	1/2		=	25 ,,		
	Labour roo	1	x	2	x(	19 1/4	+	19	)x	1/2		=	38 ,,		
	EOT	1	x	2	x(	12 1/2	+	19	)x	1/2		=	32 ,,		
	Ward Block														
	Bath room			2	x	19	x	9 5/8				=	366 ,,		
				10	x	3 1/2	x	6				=	210 ,,		
		2	x	2	x(	19	+	9 5/8	)x	6		=	687 ,,		
		10	x	2	x(	3 1/2	+	6	)x	6		=	1140 ,,		
	Emergency block			1	x	5	x	4				=	20 ,,		
				1	x	5	x	7				=	35 ,,		
		1	x	2	x(	5	+	4	)x	5		=	90 ,,		
		1	x	2	x(	5	+	7	)x	5		=	120 ,,		
											Total	=	**5219 Sft**		
													@ 2335.85 %Sft		121906
5	Dismantling cement concrete plain 1:2:4														
	Admin block														
	Bath room			1	x	9	x	4	x	1/8		=	5 Cft		
	,,			4	x	6	x	7	x	1/8		=	21 ,,		
				2	x	6	x	6	x	1/8		=	9 ,,		
				1	x	9	x	9 1/8	x	1/8		=	10 ,,		
				2	x	4 1/2	x	6	x	1/8		=	7 ,,		
		1	x	2	x(	9	+	4	)x	4	x 1/24	=	4 ,,		
		4	x	2	x(	6	+	7	)x	4	x 1/24	=	17 ,,		
		2	x	2	x(	6	+	6	)x	4	x 1/24	=	8 ,,		
	OT block														
	Bath room			1	x	9 1/4	x	5 1/2	x	1/8		=	6 ,,		
	,,			2	x	6	x	6	x	1/8		=	9 ,,		
				1	x	4	x	6	x	1/8		=	3 ,,		
				2	x	9 1/2	x	9	x	1/8		=	21 ,,		
		1	x	2	x(	9 1/4	+	5 1/2	)x	4	x 1/24	=	5 ,,		
		2	x	2	x(	6	+	6	)x	4	x 1/24	=	8 ,,		
		1	x	2	x(	4	+	6	)x	4	x 1/24	=	3 ,,		
		2	x	2	x(	9 1/2	+	9	)x	4	x 1/24	=	12 ,,		
				1	x	9 1/4	x	5 1/2	x	1/8		=	6 ,,		
	Doctor room			1	x	9 1/4	x	19	x	1/8		=	22 ,,		
	SBTO			2	x	12 1/2	x	19	x	1/8		=	59 ,,		
	Blood bank			1	x	16	x	19	x	1/8		=	38 ,,		
	room			1	x	9 1/2	x	9 1/4	x	1/8		=	11 ,,		
	Dressing			1	x	12 1/2	x	19	x	1/8		=	30 ,,		
	Coridoor			1	x	147	x	5 1/2	x	1/8		=	101 ,,		
		1	x	2	x(	9 1/4	+	5 1/2	)x	1/2	x 1/24	=	1 ,,		
		1	x	2	x(	9 1/4	+	19	)x	1/2	x 1/24	=	1 ,,		
		2	x	2	x(	12 1/2	+	19	)x	1/2	x 1/24	=	3 ,,		
		1	x	2	x(	16	+	19	)x	1/2	x 1/24	=	1 ,,		
		1	x	2	x(	9 1/2	+	9 1/4	)x	1/2	x 1/24	=	1 ,,		
		1	x	2	x(	12 1/2	+	19	)x	1/2	x 1/24	=	1 ,,		
	SMO			1	x	19	x	12 1/2	x	1/8		=	30 ,,		
	X-Ray			1	x	15 2/3	x	19	x	1/8		=	37 ,,		
	Dark room			2	x	10	x	9 1/4	x	1/8		=	23 ,,		
	OT			1	x	19	x	19	x	1/8		=	45 ,,		
	Gallary			1	x	6	x	19	x	1/8		=	14 ,,		
	Labour room			1	x	19 1/4	x	19	x	1/8		=	46 ,,		
	EOT			1	x	12 1/2	x	19	x	1/8		=	30 ,,		

Ward Block															
Bath room			2	x	9	x	6	x	1/8			=	14	,,	
,,			6	x	6	x	6	x	1/8			=	27	,,	
			2	x	19	x	9 5/8	x	1/8			=	46	,,	
			10	x	3 1/2	x	6	x	1/8			=	26	,,	
	2	x	2	x(	9	+	6	)x	4	x	1/24	=	10	,,	
	6	x	2	x(	6	+	6	)x	4	x	1/24	=	24	,,	
			2	x	19	x	16	x	1/8			=	76	,,	
	2	x	2	x(	19	+	16	)x	1/2	x	1/24	=	3	,,	
Emergency block			1	x	5	x	4	x	1/8			=	3	,,	
			1	x	5	x	7	x	1/8			=	4	,,	
											Total	=	882	Cft	
												@	11174.60	%Cft	98557
6 Removing cement or lime plaster															
			2	x	150	x	6					=	1800	Sft	
			2	x	100	x	3					=	600	,,	
			1	x	230	x	4 1/2					=	1035	,,	
											Total	=	3435	Sft (A)	
Admin block															
	1	x	2	x(	9	+	4	)x	7			=	182	,,	
	4	x	2	x(	6	+	7	)x	7			=	728	,,	
	2	x	2	x(	6	+	6	)x	7			=	336	,,	
	1	x	2	x(	9	+	9 1/8	)x	7			=	254	,,	
	2	x	2	x(	4 1/2	+	6	)x	7			=	294	,,	
OT block															
	1	x	2	x(	9 1/4	+	5 1/2	)x	7			=	207	,,	
	2	x	2	x(	6	+	6	)x	7			=	336	,,	
	1	x	2	x(	4	+	6	)x	7			=	140	,,	
	2	x	2	x(	9 1/2	+	9	)x	7			=	518	,,	
SMO	1	x	2	x(	19	+	12 1/2	)x	1/2			=	32	,,	
X-Ray	1	x	2	x(	15 2/3	+	19	)x	1/2			=	35	,,	
Dark room	2	x	2	x(	10	+	9 1/4	)x	1/2			=	39	,,	
OT	1	x	2	x(	19	+	19	)x	1/2			=	38	,,	
Gallary	1	x	2	x(	6	+	19	)x	1/2			=	25	,,	
Labour roo	1	x	2	x(	19 1/4	+	19	)x	1/2			=	38	,,	
EOT	1	x	2	x(	12 1/2	+	19	)x	1/2			=	32	,,	
Ward Block															
	2	x	2	x(	9	+	6	)x	7			=	420	,,	
	6	x	2	x(	6	+	6	)x	7			=	1008	,,	
	2	x	2	x(	19	+	9 5/8	)x	7			=	802	,,	
	10	x	2	x(	3 1/2	+	6	)x	7			=	1330	,,	
Emergency block															
	1	x	2	x(	5	+	4	)x	7			=	126	,,	
	1	x	2	x(	5	+	7	)x	7			=	168	,,	
											Total	=	7085	Sft (B)	
											G.Total(A+B)	=	10520	Sft	
												@	423.30	%Sft	44532
7 Dismantling concrete with brick aggregate															
Admin block															
Bath room			1	x	9	x	4	x	1/3			=	12	Cft	
,,			4	x	6	x	7	x	1/3			=	56	,,	
			2	x	6	x	6	x	1/3			=	24	,,	
			1	x	9	x	9 1/8	x	1/3			=	27	,,	
			2	x	4 1/2	x	6	x	1/3			=	18	,,	
OT block															
Bath room			1	x	9 1/4	x	5 1/2	x	1/3			=	17	,,	
,,			2	x	6	x	6	x	1/3			=	24	,,	
			1	x	4	x	6	x	1/3			=	8	,,	
			2	x	9 1/2	x	9	x	1/3			=	57	,,	
			1	x	9 1/4	x	5 1/2	x	1/3			=	17	,,	
Doctor room			1	x	9 1/4	x	19	x	1/3			=	59	,,	
SBTO			2	x	12 1/2	x	19	x	1/3			=	158	,,	
Blood bank			1	x	16	x	19	x	1/3			=	101	,,	
room			1	x	9 1/2	x	9 1/4	x	1/3			=	29	,,	
Dressing			1	x	12 1/2	x	19	x	1/3			=	79	,,	
SMO			1	x	19	x	12 1/2	x	1/3			=	79	,,	
X-Ray			1	x	15 2/3	x	19	x	1/3			=	99	,,	
Dark room			2	x	10	x	9 1/4	x	1/3			=	62	,,	
OT			1	x	19	x	19	x	1/3			=	120	,,	
Gallary			1	x	6	x	19	x	1/3			=	38	,,	
Labour room			1	x	19 1/4	x	19	x	1/3			=	122	,,	
EOT			1	x	12 1/2	x	19	x	1/3			=	79	,,	
Ward Block															
Bath room			2	x	9	x	6	x	1/3			=	36	,,	
,,			6	x	6	x	6	x	1/3			=	72	,,	
			2	x	19	x	9 5/8	x	1/3			=	122	,,	
			10	x	3 1/2	x	6	x	1/3			=	70	,,	
			2	x	19	x	16	x	1/3			=	202	,,	
Emergency block			1	x	5	x	4	x	1/3			=	7	,,	
			1	x	5	x	7	x	1/3			=	12	,,	
											Total	=	1806	Cft	
												@	~~3047.60~~	~~%Cft~~	~~55040~~

8 Petty repair to main rooms.

OPD	1	x	28		=	28	Nos.
Indoor	1	x	12		=	12	,,
Kit	1	x	5		=	5	,,
Mortury	1	x	2		=	2	,,
E.G Block	1	x	10		=	10	,,
Diagnastic Block	1	x	9		=	9	,,
				Total	=	**66**	**Nos.**
					@	1116.65	Each 73699

9 Petty repair to Small rooms.

OPD	1	x	19		=	19	Nos.
Indoor	1	x	10		=	10	,,
Kit	1	x	3		=	3	,,
Mortury	1	x	2		=	2	,,
E.G Block	1	x	7		=	7	,,
Diagnastic Block	1	x	6		=	6	,,
				Total	=	**47**	**Nos.**
					@	558.25	Each 26238

10 Petty repair to Verandah.

OPD	1	x	4		=	4	Nos.
Indoor	1	x	4		=	4	Nos.
Kit	1	x	1		=	1	,,
Mortury	1	x	1		=	1	,,
E.G Block	1	x	2		=	2	,,
Diagnastic Block	1	x	4		=	4	,,
				Total	=	**16**	**Nos.**
					@	1062.00	Each 16992

11 Distempering one coat on old suface

i) OPD

i) Roof	2	x	10	x	14		=	280	Sft
	1	x	15	x	14		=	210	,,
	5	x	12	x	14		=	840	,,
	1	x	13 3/4	x	14		=	193	,,
	1	x	16	x	14		=	224	,,
	1	x	12 1/2	x	14		=	175	,,
	1	x	15 5/8	x	14		=	219	,,
	1	x	19 1/4	x	14		=	270	,,
	1	x	19	x	14		=	266	,,
	1	x	102 3/4	x	7		=	719	,,
	1	x	89 1/4	x	7		=	625	,,
	1	x	113 1/4	x	8		=	906	,,
	1	x	95	x	8		=	760	,,
	2	x	11	x	13 5/8		=	300	,,
	1	x	18	x	13 5/8		=	245	,,
	1	x	17 3/4	x	13 5/8		=	242	,,
	4	x	12	x	13 5/8		=	654	,,
	1	x	16	x	13 5/8		=	218	,,
	2	x	14	x	13 5/8		=	382	,,
	1	x	8	x	13 5/8		=	109	,,
	1	x	10	x	13 5/8		=	136	,,
	3	x	6 3/8	x	13 5/8		=	261	,,
	1	x	5	x	13 5/8		=	68	,,
	1	x	15 1/2	x	13 5/8		=	211	,,
	2	x	5	x	13 5/8		=	136	,,
	1	x	7 1/4	x	14		=	102	,,
	4	x	5	x	14		=	280	,,
Indoor	2	x	19 1/4	x	9 1/4		=	356	,,
Lav.	2	x	6	x	8		=	96	,,
Passage	3	x	35 5/8	x	19		=	2031	,,
	1	x	11	x	12		=	132	,,
	1	x	5 5/8	x	6 3/8		=	36	,,
	1	x	5	x	6 3/8		=	32	,,
	1	x	5	x	6 3/8		=	32	,,
	1	x	5	x	12		=	60	,,
	1	x	10	x	15 5/8		=	156	,,
	1	x	11	x	10		=	110	,,
	1	x	20 1/8	x	11		=	221	,,
	1	x	10	x	13 5/8		=	136	,,
	1	x	5	x	12		=	60	,,
	1	x	5	x	6 5/8		=	33	,,
	1	x	5	x	6 5/8		=	33	,,
	1	x	6	x	6 5/8		=	40	,,
	1	x	5 5/8	x	6 5/8		=	37	,,
	1	x	11	x	12		=	132	,,
	1	x	12	x	9		=	108	,,
	1	x	5	x	12		=	60	,,
	1	x	5	x	6 5/8		=	33	,,
	1	x	9	x	19		=	171	,,
Ver.	1	x(	100	+	8	)x 7	=	756	,,
Coridor	1	x(	100	+	40	)x 8	=	1120	,,
Link Passage	1	x	100	x	10		=	1000	,,
Diagnastic Block	1	x	13 5/8	x	18		=	245	,,
Sterilaization	1	x	12	x	9 5/8		=	116	,,

Scrabup	1	x	12	x	8			=	96	Sft
Nursing station	1	x	8	x	8 5/8			=	69	,,
Dark room	1	x	8	x	9			=	72	,,
X-Ray	1	x	13 3/8	x	17 1/4			=	231	,,
Lab.	1	x	13 3/4	x	13 5/8			=	187	,,
Dr. Male	1	x	8	x	13 5/8			=	109	,,
plaster room	1	x	10	x	13 5/8			=	136	,,
Doctor female	1	x	8	x	13 5/8			=	109	,,
Labour room	1	x	16	x	13 5/8			=	218	,,
Toilet female	1	x	7 5/8	x	13 5/8			=	104	,,
waiting	1	x	12	x	13 5/8			=	164	,,
Passage	1	x	20 1/4	x	9			=	182	,,
Corridor	1	x	84 3/4	x	8			=	678	,,
Ver.	1	x	78 3/8	x	7			=	549	,,
Link passage	1	x	51	x	9			=	459	,,
							Total	=	**19734**	**Sft**
								@	561.30	%Sft 110767

12 Preparing surface and painting with emulsion paint i/c scraping ordinary distempering or paint 2-coats on old surface Colour change

i) OPD	1	x	2	x(	6 3/8	+	13 5/8	)x	8	=	320 Sft
	1	x	2	x(	10	+	13 5/8	)x	8	=	378 ,,
	2	x	2	x(	10	+	14	)x	8	=	768 ,,
	5	x	2	x(	12	+	14	)x	8	=	2080 ,,
	1	x	2	x(	13 3/4	+	14	)x	8	=	444 ,,
	1	x	2	x(	16	+	14	)x	8	=	480 ,,
	1	x	2	x(	12 1/2	+	14	)x	8	=	424 ,,
	1	x	2	x(	15 5/8	+	14	)x	8	=	474 ,,
	1	x	2	x(	19 1/4	+	14	)x	8	=	532 ,,
	1	x	2	x(	21 1/2	+	14	)x	8	=	568 ,,
	1	x	2	x(	19	+	14	)x	8	=	528 ,,
	1	x	2	x(	102 3/4	+	7	)x	8	=	1756 ,,
	1	x	2	x(	89 1/4	+	7	)x	8	=	1540 ,,
	1	x	2	x(	113 1/4	+	8	)x	8	=	1940 ,,
	1	x	2	x(	95	+	8	)x	8	=	1648 ,,
	2	x	2	x(	11	+	13 5/8	)x	8	=	788 ,,
	1	x	2	x(	18	+	13 5/8	)x	8	=	506 ,,
	1	x	2	x(	17 3/4	+	13 5/8	)x	8	=	502 ,,
	4	x	2	x(	12	+	13 5/8	)x	8	=	1640 ,,
	1	x	2	x(	16	+	13 5/8	)x	8	=	474 ,,
	2	x	2	x(	14	+	13 5/8	)x	8	=	884 ,,
	1	x	2	x(	8	+	13 5/8	)x	8	=	346 ,,
	3	x	2	x(	6 3/8	+	13 5/8	)x	8	=	960 ,,
	1	x	2	x(	15 1/2	+	13 5/8	)x	8	=	466 ,,
	1	x	2	x(	7 1/4	+	13 5/8	)x	8	=	334 ,,
	4	x	2	x(	5	+	14	)x	8	=	1216 ,,
	3	x	2	x	6 3/8	x	3 1/2			=	134 ,,
	2	x	2	x	5	x	3 1/2			=	70 ,,
	4	x	2	x	5	x	3 1/2			=	140 ,,
	2	x	2	x	5	x	3 1/2			=	70 ,,
	1	x	2	x	7 1/2	x	3 1/2			=	53 ,,
ii) Walls	2	x	2	x(	19 1/4	+	9 1/4	)x	8	=	912 ,,
	2	x	3	x	2	x	4 1/4	x	3	=	153 ,,
	2	x	2	x	9 1/4	x	3			=	111 ,,
	2	x	2	x	8	x	8			=	256 ,,
	3	x	2	x(	35 5/8	+	19	)x	8	=	2622 ,,
	1	x	2	x(	11	+	12	)x	8	=	368 ,,
	1	x	2	x(	5 5/8	+	6 5/8	)x	8	=	196 ,,
	2	x	2	x(	5	+	6 5/8	)x	8	=	372 ,,
	3	x	2	x(	5	+	12	)x	8	=	816 ,,
	1	x	2	x(	10	+	15 5/8	)x	8	=	410 ,,
	1	x	2	x(	11	+	10	)x	8	=	336 ,,
	1	x	2	x(	20 1/8	+	11	)x	8	=	498 ,,
	1	x	2	x(	10	+	13 5/8	)x	8	=	378 ,,
	3	x	2	x(	5	+	6 5/8	)x	8	=	558 ,,
	1	x	2	x(	5 5/8	+	6 5/8	)x	8	=	196 ,,
	1	x	2	x(	11	+	12	)x	8	=	368 ,,
	1	x	2	x(	12	+	9	)x	8	=	336 ,,
	1	x	2	x(	9	+	19	)x	8	=	448 ,,
	1	x	2	x(	100	+	8	)x	8	=	1728 ,,
	1	x	2	x(	100	+	40	)x	8	=	2240 ,,
	1	x	2	x(	100	+	10	)x	9	=	1980 ,,
Mortury	2	x	9	x	12					=	216 ,,
	1	x	9	x	4 1/2					=	41 ,,
	1	x	9	x	5 3/8					=	48 ,,
	1	x	4 1/2	x	11 1/2					=	52 ,,
Wall	2	x	2	x(	9	+	12	)x	7	=	588 ,,
	1	x	2	x(	9	+	5 3/8	)x	7	=	201 ,,
	1	x	2	x(	4 1/2	+	11 1/2	)x	7	=	224 ,,
	1	x	2	x(	9	+	4 1/2	)x	7	=	189 ,,
Kit.	1	x	14	x	10					=	140 ,,
	1	x	10	x	6 1/2					=	65 ,,
	1	x	28	x	19					=	532 ,,
Wall	1	x	2	x(	14	+	10	)x	8	=	384 ,,
	1	x	2	x(	10	+	6 1/2	)x	8	=	264 ,,
	1	x	2	x(	7	+	9	)x	8	=	256 ,,

	1	x	2	x(	28	+	19	)x	8	=	752	Sft
Emergency Block	1	x	13	x						=	13	,,
	1	x	4	x	5					=	20	,,
	1	x	15	x	9 5/8					=	144	,,
	4	x	18	x	16					=	1152	,,
	2	x	5	x	7					=	70	,,
	1	x	12 5/8	x	14 3/4					=	186	,,
	2	x	5	x	7					=	70	,,
	1	x	8	x	7					=	56	,,
	1	x	4 5/8	x	7					=	32	,,
	1	x	12 5/8	x	7					=	88	,,
	1	x	12 5/8	x	7					=	88	,,
	1	x	7 5/8	x	9 5/8					=	73	,,
	1	x	5	x	6					=	30	,,
	1	x	5	x	3					=	15	,,
	1	x	13	x	9 5/8					=	125	,,
	1	x	22	x	20					=	440	,,
Wall	1	x	2	x(	13	+	9	)x	9	=	396	,,
	1	x	2	x(	4	+	5	)x	7	=	126	,,
	1	x	2	x(	15	+	9 5/8	)x	8	=	394	,,
	4	x	2	x(	18	+	16	)x	8	=	2176	,,
	2	x	2	x(	5	+	7	)x	7	=	336	,,
	1	x	2	x(	12 5/8	+	14 3/4	)x	8	=	438	,,
	2	x	2	x(	5	+	7	)x	7	=	336	,,
	1	x	2	x(	8	+	7	)x	8	=	240	,,
	1	x	2	x(	4 5/8	+	7	)x	8	=	186	,,
	1	x	2	x(	12 5/8	+	7	)x	8	=	314	,,
	1	x	2	x(	5	+	6	)x	7	=	154	,,
	1	x	2	x(	5	+	3	)x	7	=	112	,,
	1	x	2	x(	7 5/8	+	9 5/8	)x	8	=	276	,,
	1	x	2	x(	13	+	9 5/8	)x	8	=	362	,,
	1	x	2	x(	20	+	22	)x	8	=	672	,,
	1	x	2	x(	8	+	49 3/8	)x	8	=	918	,,
	1	x	49 3/8	x	8					=	395	,,
Diagnastic Block	1	x	2	x(	13 5/8	+	18	)x	8 1/8	=	514	,,
	1	x	2	x(	12	+	9 5/8	)x	8 1/8	=	351	,,
	1	x	2	x(	20	+	18	)x	8 1/8	=	618	,,
	1	x	2	x(	12	+	8	)x	8 1/8	=	325	,,
	1	x	2	x(	8	+	9	)x	8 1/8	=	276	,,
	1	x	2	x(	8	+	8 5/8	)x	8 1/8	=	270	,,
	1	x	2	x(	13 3/8	+	17 1/4	)x	8 1/8	=	498	,,
	1	x	2	x(	8	+	13 5/8	)x	8 1/8	=	351	,,
	1	x	2	x(	13 3/4	+	13 5/8	)x	8 1/8	=	445	,,
	1	x	2	x(	8	+	13 5/8	)x	8 1/8	=	351	,,
	1	x	2	x(	16	+	13 5/8	)x	8 1/8	=	481	,,
	1	x	2	x(	7 5/8	+	13 5/8	)x	8 1/8	=	345	,,
	1	x	2	x(	12	+	13 5/8	)x	8 1/8	=	416	,,
	1	x	2	x(	20 1/4	+	9	)x	8 1/8	=	475	,,
	1	x	2	x(	84 1/4	+	8	)x	8 1/8	=	1499	,,
	1	x	2	x(	78 3/8	+	7	)x	8 1/8	=	1387	,,
	1	x	2	x(	51	+	9	)x	9	=	1080	,,
									Total	=	61817	Sft

Deduction

OPD	13	x	2 1/2	x	3 1/2	=	114 Sft
	16	x	3 1/2	x	5	=	280 ,,
	1	x	16 1/2	x	9	=	149 ,,
	1	x	9	x	9	=	81 ,,
	3	x	2	x	5	=	30 ,,
	1	x	4 1/2	x	5	=	23 ,,
	7	x	4	x	5 1/2	=	154 ,,
	10	x	6	x	5 1/2	=	330 ,,
	3	x	4	x	3	=	36 ,,
					Total	=	**1197 Sft**

Net Total (61816.515 - 1197) = **60620 Sft**

@ 2796.55 %Sft 1695255

13 Providing and applying wall putty of 2mm thicknes sover plaster edsurface (newsurface) top reparethe surface even and smooth complete in all respect.

Take qty.item No.11 = 19734 Sft
Take qty.item No.12 = 60620 ,,

Total = 80354 Sft

@ 371.05 %Sft 298152

14 Painting doors and windows two coat on old surface after scraping of old paint

OPD	2	x	2	x	5	x	7	=	140 Sft
	2	x	2	x	4	x	7	=	112 ,,
	1	x	2	x	4	x	7	=	56 ,,
	16	x	2	x	4	x	7	=	896 ,,
	8	x	2	x	3	x	7	=	336 ,,
	1	x	2	x	4 1/2	x	7	=	63 ,,
	8	x	2	x	2 3/4	x	7	=	308 ,,
	5	x	2	x	2 1/2	x	7	=	175 ,,

(24)

Indoor block									
D-6	10	x	2	x	2 1/2	x	6 1/2	=	325 Sft
D-5	8	x	2	x	2 1/4	x	6 1/2	=	234 ,,
D-4	6	x	2	x	3	x	7	=	252 ,,
D-3	6	x	2	x	3 1/2	x	7	=	294 ,,
Motury	2	x	2	x	4	x	8 1/2	=	136 ,,
	2	x	2	x	4	x	7	=	112 ,,
Kit. D-1	1	x	2	x	5	x	7	=	70 ,,
D-4	1	x	2	x	3 1/2	x	7	=	49 ,,
D-3	2	x	2	x	3	x	7	=	84 ,,
Dw-2	1	x	2	x	6	x	7	=	84 ,,
Emergency	7	x	2	x	2 1/2	x	7	=	245 ,,
	4	x	2	x	3 1/2	7		=	196 ,,
	4	x	2	x	4 1/2	x	7	=	252 ,,
	1	x	2	x	5	x	8	=	80 ,,
Diagnastic Block									
Dw-3	2	x	2	x	8	x	8 1/2	=	272 ,,
D-1	3	x	2	x	4 1/2	x	2	=	54 ,,
D-3	4	x	2	x	3 1/2	x	2	=	56 ,,
D-4	7	x	2	x	3	x	2	=	84 ,,
D-6	4	x	2	x	2 1/2	x	7	=	140 ,,
D1+D2	3	x	2	x	4 1/2	x	7	=	189 ,,
	4	x	2	x	3 1/2	x	7	=	196 ,,
	7	x	3	x	3	x	7	=	441 ,,
Al.	1	x	2	x	3 1/2	x	4 1/2	=	32 ,,
	1	x	2	x	4 1/4	x	6 1/2	=	55 ,,
	1	x	2	x	3	x	6 1/2	=	39 ,,
	1	x	2	x	4	x	6 1/2	=	52 ,,
	1	x	2	x	8	x	6 1/2	=	104 ,,
	1	x	2	x	4	x	6 1/2	=	52 ,,
							Total	=	**6265 Sft**
								@	3257.10 %Sft 204057

15 Painting sashes, fan light, glazed of gauzed doors and windows two coat on old surface after burning of old paint

i) OPD	3	x	2	x	2 1/3	x	9	=	126 Sft
	2	x	2	x	5	x	2	=	40 ,,
	4	x	2	x	2	x	9	=	144 ,,
	2	x	2	x	4	x	2	=	32 ,,
	1	x	2	x	4	x	2	=	16 ,,
	2	x	2	x	2 1/2	x	9	=	90 ,,
	16	x	2	x	3 1/2	x	2	=	224 ,,
	8	x	2	x	3	x	2	=	96 ,,
	1	x	2	x	4 1/2	x	2	=	18 ,,
	8	x	2	x	2 3/4	x		=	44 ,,
	25	x	3	x	4	x	5 1/2	=	1650 ,,
	10	x	3	x	6	x	5 1/2	=	990 ,,
	8	x	3	x	4	x	3	=	288 ,,
	4	x	3	x	4	x	2	=	96 ,,
W-4	20	x	3	x	4	x	6	=	1440 ,,
HW	14	x	3	x	4	x	2	=	336 ,,
Kit.	2	x	3	x	4	x	6	=	144 ,,
	7	x	3	x	2 1/2	x	6	=	315 ,,
Motury	1	x	3	x	4	x	3	=	36 ,,
	5	x	3	x	2	x	3	=	90 ,,
Emergency	10	x	3	x	5	x	6	=	900 ,,
	7	x	3	x	3 1/2	x	2	=	147 ,,
	1	x	3	x	7 1/2	x	2	=	45 ,,
Diagnastic Block									
W-1	1	x	3	x	10	x	5 1/2	=	165 ,,
W-2	2	x	3	x	8	x	11	=	528 ,,
W-3	2	x	3	x	6	x	5 1/2	=	198 ,,
W-4	9	x	3	x	4	x	5 1/2	=	594 ,,
Dw-1	7	x	3	x	4	x	4	=	336 ,,
	3	x	3	x	3	x	4	=	108 ,,
							~~Total~~	=	~~9236 Sft~~
								@	~~2603.55 %Sft 240464~~

16 Painting guards bars, gate of iron bars graiting, railing etc. two coats on old surface after burning of old paint etc. complete Colour change
i) OPD

	24	x	4	x	5 1/2		=	528 Sft
	10	x	6	x	5 1/2		=	330 ,,
	8	x	4	x	3		=	96 ,,
	4	x	2	x	3		=	24 ,,
	2	x	2	x	12	x 6	=	288 ,,
	2	x	2	x	4	x 6	=	96 ,,
	1	x	2	x	10	x 6	=	120 ,,
	2	x	8	x	7		=	112 ,,
	2	x	8	x	3		=	48 ,,
	1	x	14	x	9		=	126 ,,
	15	x	6	x	7		=	630 ,,
W-4	20	x	3	x	4	x 6	=	1440 ,,
HW	14	x	3	x	4	x 2	=	336 ,,

Kit.	2	x	3	x	4	x	6			=	144 Sft
	7	x	3	x	2 1/2	x	6			=	315 ,,
Motury	1	x	3	x	4	x	3			=	36 ,,
	5	x	3	x	2	x	3			=	90 ,,
Emergency	10	x	3	x	5	x	6			=	900 ,,
	7	x	3	x	3 1/2	x	2			=	147 ,,
	1	x	3	x	7 1/2	x	2			=	45 ,,
	10	x	6	x	7					=	420 ,,
	10	x	6.5	x	7					=	455 ,,
Diagnastic Block											
Grill	9	x	6	x	1 1/4					=	68 ,,
										Total =	**6794 Sft**
										@ 2603.55 %Sft	176872

17 P/Applying weather shield paint of approved quality on external surface ofbuildings i/c preparation of surface application of primer complete in all respect one coats on old surface

i) OPD

		1	x	233 7/8	x	15 1/2				=	3625 Sft
		24	x	2	x	3/8	x	15 1/2		=	279 ,,
		1	x	2	x	30		6		=	360 ,,
		1	x	2	x	14		15 1/2		=	434 ,,
		1	x	2	x	8 1/2		15 1/2		=	264 ,,
		1	x	233 7/8	x	15 1/2				=	3625 ,,
		2	x(	100	+	88	)x	15		=	5640 ,,
		1	x	58 5/8	x	15				=	879 ,,
	1	x(	21 1/2	+	11 5/8	+	5 1/2	+	8	)x 15 =	699 ,,
		1	x	2	x	70	x	15		=	2100 ,,
	1	x(	15 1/2	+	10 1/2	+	21 1/2	)x	14	=	665 ,,
	1	x(	3 1/4	+	20 1/2	+	29 1/2	+	8 1/2	)x 14 =	865 ,,
Mortury		2	x	71 5/8	x	19 1/4				=	2758 ,,
		1	x	48 1/2	x	19 1/4				=	934 ,,
		2	x	19 1/8	x	19 1/4				=	736 ,,
		1	x	2	x(	51 1/8	+	92	)x 11 1/2 =		3292 ,,
		4	x	2 1/2	x	11 1/2				=	115 ,,
										Total =	**27269 Sft**

Deduction

20	x	4	x	6	=	480 Sft
14	x	4	x	2	=	112 ,,
2	x	4	x	6	=	48 ,,
1	x	4	x	3	=	12 ,,
5	x	2	x	3	=	30 ,,
10	x	5	x	6	=	300 ,,
7	x	3 1/2	x	2	=	49 ,,
1	x	7 1/2	x	2	=	15 ,,
25	x	6	x	7	=	1050 ,,
10	x	6 1/2	x	7	=	455 ,,
15	x	6	x	7	=	630 ,,
10	x	6	x	7	=	420 ,,
10	x	6 1/2	x	7	=	455 ,,
5	x	8	x	8 1/2	=	340 ,,
				Total	**=**	**4396 Sft**

Net Total (27269 1/4 - 4396) = **22873 Sft**
@ 1925.45 %Sft 440413

18 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
Take qyt.item No. 7 ~~= 1806 Cft~~
~~@ 9164.40 %Cft 165509~~

19 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):
f) Ratio 1: 2: 4
Take qyt.item No.18 1806 x 3/8 = **677 Cft**
@ 38126.10 %Cft 258114

20 Providing and laying super quality Ceramic tile floor s of Master brand of specifiedsize ,Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond ,over 3/4" thick (1:2) cement sand plasteri / the cost of sealer for finishing the jointsi / cutting grinding complete in all respect sand as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

Admin block

Bath room	1	x	9	x	4	= 36 Sft
,,	4	x	6	x	7	= 168 ,,
	2	x	6	x	6	= 72 ,,
	1	x	9	x	9 1/8	= 82 ,,
	2	x	4 1/2	x	6	= 54 ,,

Door cill	1	x	3	x	1 1/8	=	3	Sft
	10	x	2 1/2	x	3/4	=	19	,,
OT block								
Bath room	1	x	9 1/4	x	5 1/2	=	51	,,
,,	2	x	6	x	6	=	72	,,
	1	x	4	x	6	=	24	,,
	2	x	9 1/2	x	9	=	171	,,
Door cill	6	x	2 1/2	x	3/4	=	11	,,
Ward Block								
Bath room	2	x	9	x	6	=	108	,,
,,	6	x	6	x	6	=	216	,,
	2	x	19	x	9 5/8	=	366	,,
	10	x	3 1/2	x	6	=	210	,,
Door cill	4	x	3 1/2	x	1 1/8	=	16	,,
	10	x	2 1/2	x	3/8	=	9	,,
	6	x	2 1/2	x	3/4	=	11	,,
Emergency block	1	x	5	x	4	=	20	,,
	1	x	5	x	7	=	35	,,
Door cill	2	x	2 1/2	x	3/4	=	4	,,

Total = 1758 Sft
@ 239.90 P.Sft 421744

21 Providing and laying superb quality Ceramic tiles dado of Master brand of specifiedsize, Glossy/ Matt/ Texture skirting/dado of approved Color and Shadewit had hesive bond over 1/2" thick (1:2) cement plasteri / the cost of sealer for finishing the jointsi /ccutting grinding complete in all respect sas approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

Admin block													
	1	x	2	x(	9	+	4	)x	7	=	182	Sft
	4	x	2	x(	6	+	7	)x	7	=	728	,,
	2	x	2	x(	6	+	6	)x	7	=	336	,,
	1	x	2	x(	9	+	9 1/8	)x	7	=	254	,,
	2	x	2	x(	4 1/2	+	6	)x	7	=	294	,,
OT block													
	1	x	2	x(	9 1/4	+	5 1/2	)x	7	=	207	,,
	2	x	2	x(	6	+	6	)x	7	=	336	,,
	1	x	2	x(	4	+	6	)x	7	=	140	,,
	2	x	2	x(	9 1/2	+	9	)x	7	=	518	,,
Ward Block													
	2	x	2	x(	9	+	6	)x	7	=	420	,,
	6	x	2	x(	6	+	6	)x	7	=	1008	,,
	2	x	2	x(	19	+	9 5/8	)x	7	=	802	,,
	10	x	2	x(	3 1/2	+	6	)x	7	=	1330	,,
Emergency block		1	x	5	x	4				=	20	,,
	1	x	2	x(	5	+	4	)x	7	=	126	,,
	1	x	2	x(	5	+	7	)x	7	=	168	,,

Total = 6868 Sft

Deduction

Door	2	x	3	x	7	=	42 Sft
	8	x	3 1/2	x	7	=	196 ,,
	28	x	2 1/2	x	7	=	490 ,,
	20	x	2 1/2	x	7	=	350 ,,

Total = 1078 Sft

Net Total (6868 - 1078) = **5790 Sft**
@ 292.65 P.Sft 1694444

22 1/2" thick cement sand plaster ratio 1:4 upto 20' height
Take qyt.item No.6-A = **3435 Sft**
@ 3241.60 %Sft 111349

23 P/F 1-1/2" thick solidflush door comprisingof 2.5 mm thick Commercial ply compressedover 2.5 mm thick commercial ply over 1" thick packing wood instyle and rails under proper pressure i/c the cost of nails, tower bolt , handles, glue, sawing charges, Paintingcharges, sand papering and 3/8" thick matching wooden lipping as approved and directed by the Engineer Incharge

	26	x	3 1/4	x	6 7/8	=	581	Sft
	2	x	5	x	6 7/8	=	69	Sft

Total **650 sft**
@ 502.20 P.Sft 326274

24 Providing and fixing sliding bolt to doors:-
ii) Iron sliding bolt, 12" (300 mm) long. = **54 Nos.**
@ 470.00 Each 25380

25 a) Glazing with panes (16 oz to 18 oz) inculiding cost of putty.

	6	x	6	x	4	=	144	Sft
	5	x	3	x	4	=	60	,,

Total = 204 Sft
@ 112.85 P.Sft 23021

26 Providing and fixing M.S. flat ½" x 1/8" (13mm x 3mm) grill including ¾" x 1/8" (20mmx3mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects

Admin Block	13	x	8 5/6	x	5 7/8	=	675 Sft
,,	2	x	5 3/4	x	5 7/8	=	68 ,,
,,	2	x	5 1/2	x	5 7/8	=	65 ,,
Galary	10	x	8 5/6	x	5 7/8	=	519 ,,
OT Block	5	x	8 5/6	x	5 7/8	=	259 ,,
	2	x	5 3/4	x	5 7/8	=	68 ,,
	8	x	8 5/6	x	8 5/6	=	624 ,,

Total = 2277 Sft
@ ~~492.10 P.Sft 1120517~~

27 Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.

Take double Qty. as above 2277.01 x 2 = **4554 Sft**
@ ~~171.30 P.Sft 780104~~

28 Providing and fixing all types of partly fixed and partly openable glazed anodized bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan cables, having chowkat frame of size 40x100mm (1½"x4") and leaf frame of 60x40mm) (2½"x1½") wide section including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75mm) wide long handles etc.; and hardware any required as approved by the Engineer-in-charge.

2 x 7 x 8 1/2 = **119 Sft**
@ ~~1437.60 P.Sft 171074~~

29 Providing and fixing auotomatic hydraulic operated door close rimported heavy duty complete in all respect as approved and directed by the Engineer Incharge.

1 x 10 = **10 Nos.**
@ 2932.00 Each 29320

30 Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of approved manufacturer thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.

Admin block + OT block+ward block

W	52	x	6	x	4	= 1248 Sft
Cw	10	x	4	x	2 1/2	= 100 ,,

Total = 1348 Sft
@ 1348.40 P.Sft 1817643

31 Providing and fixing Aluminum Fly screen comprising of Fiber / Aluminum wire guaze (Malasian) fixed in aluminum frame of approved manufacturer brownze Colour/ powder coated of size1-1/2"x1/2" and 1.6mm thick with rubber gas keti / c cost of Hardwares as approved and directed by theen gineerincharge.completeinallrespect.

Admin block + OT block+ward block

52	x	6	x	4	= 1248 Sft
10	x	4	x	2 1/2	= 100 ,,

Total = 1348 Sft

1/2 x 1348 = **674 Sft**
@ 493.05 P.Sft 332316

32 Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge. (i) 3/8" Squar Bars

Admin block + OT block+ward block

W	52	x	6	x	4 = 1248 Sft
Cw	10	x	4	x	2 1/2 = 100 ,,

Total = 1348 Sft
@ 854.70 P.Sft 1152136

33 Providing and laying super quality Porcelain glazed tiles of Master brand ,skirting / dadoof specifiedsize, Colorand Shade with adhesive / bond over 1/2" thick (1:2) cement plasteri / the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.

a) Full body Glazed tiles

(ii) 600 mm x 600 mm

Room	1	x	9 1/4	x	5 1/2	=	51	Sft
SBTO	2	x	12 1/2	x	19	=	475	,,
Blood bank	1	x	16	x	19	=	304	,,
room	1	x	9 1/2	x	9 1/4	=	88	,,
Dressing	1	x	12 1/2	x	19	=	238	,,
X-Ray	1	x	15 2/3	x	19	=	298	,,
Dark room	1	x	10	x	9 1/4	=	93	,,
Gallary	1	x	6	x	19	=	114	,,
EOT	1	x	12 1/2	x	19	=	238	,,
Door cill	25	x	2 1/2	x	3/4	=	47	,,
	2	x	19	x	16	=	608	,,

Total = 2554 Sft

@ 340.50 P.Sft 869637

34 Providing and laying super quality Porcelain glazed tiles of Master brand ,skirting / dadoof specifiedsize, Colorand Shade with adhesive / bond over 1/2" thick (1:2) cement plasteri / the cost of and sealer for finishing the joints, cutting grinding complete in all respect as approved and directed by the Engineer Incharge.

a) Full body Glazed tiles

(ii) 600 mm x 600 mm

Room	1	x	2	x(	9 1/4	+	5 1/2	)x	1/2	=	15	Sft
Doctor room	1	x	2	x(	9 1/4	+	19	)x	1/2	=	28	,,
SBTO	2	x	2	x(	12 1/2	+	19	)x	1/2	=	63	,,
Blood bank	1	x	2	x(	16	+	19	)x	1/2	=	35	,,
room	1	x	2	x(	9 1/2	+	9 1/4	)x	1/2	=	19	,,
Dressing	1	x	2	x(	12 1/2	+	19	)x	1/2	=	32	,,
SMO	1	x	2	x(	19	+	12 1/2	)x	1/2	=	32	,,
Gallary	1	x	2	x(	6	+	19	)x	6	=	300	,,
Dark room	2	x	2	x(	10	+	9 1/4	)x	6	=	462	,,
EOT	1	x	2	x(	12 1/2	+	19	)x	1/2	=	32	,,
	2	x	2	x(	19	+	16	)x	1/2	=	70	,,

Total = 1086 Sft

@ 340.50 P.Sft 369868

35 Supply and installation of Clip-in tile of specified thickness non-porous Alumnium false ceiling of specified size fitted with 'Clip-in' suspension system hanged on Concealed T/Shiplap edge/runners @ 600 mmX600 mm grid,Edge Trims fasten on wall with plug and screw @ 500 mm c/c i/c cutting charges of tiles to required size,suspension rods and joints sealed with silicon if required of DAMPA/Demark, as approved and directed by the Engineer Incharge.

(b) Bevelled edges & flange 21.5 mm

(iii)600 mmX 600 mm

OT	1	x	19	x	19	=	361	Sft
,,	1	x	19 1/4	x	19	=	366	,,

Total = 727 Sft

@ 945.00 P.Sft 687015

36 Providing & Fixing Lead Sheet In X-Ray Room (03-Mm Thick) I/c Co-Nails and Covering Heads With Led Etc Complete In All Respect And As Approved By The Engineer Incharge

X-Ray	1	x	2	x(	15 2/3	+	19	)x	12	=	832	Sft

Total = 832 Sft N.S

@ 1730.00 P.Sft 1439332

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

OT	1	x	19	x	19	=	361	Sft
Labour room	1	x	19 1/4	x	19	=	366	,,

Total = 727 Sft N.S

@ 1134.00 P.Sft 824418

38 Supply and installation premimum graded/scratch-resistant Hygienic anti-microbial Pvc wall cladding of specified thickness duly thermoplastic welded conforming to (ISO:22196) and pasted over 12mm thick gypsum board with adhesive/solvent fixed over 14-SWG G.I Channael of size 3.5"X 2"X3.5" duly screwed on wall i/c the cost of hardwares as approved and directed by the Engineer In-charge

(b) 2.5mm thick

OT	1	x	2	x(	19	+	19	)x	9 1/2	=	722	,,
Labour room	1	x	2	x(	19 1/4	+	19	)x	9 1/2	=	727	,,

Total = 1449 Sft N.S

@ 1890.00 P.Sft 2738138

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

34	x	2 1/4	x	7	=	536 Sft	
6	x	3 1/4	x	7	=	137 ,,	
				Total	=	**673 Sft**	**N.S**
					@	880.00 P.Sft	592240

40 Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

1	x	28	=	28 Nos.		
1	x	22	=	22 ,,		
1	x	41	=	41 ,,		
		Total	=	**91 Nos.**	**N.S**	
				@	14800.00 Each	1346800

41 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 [illegible]

102	x	4 1/2	=	459 Rft		
98	x	6	=	588 Rft		
		Total	=	**1047 Rft**	**N.S**	
				@	580.00 P.Rft	607260

42 Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

2	x	8	x	12	=	192 Sft
				Total	=	**192 Sft** **N.S**
					@	1060.00 P.Sft 203520

43 Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge

b) Oak/Ash wood Door

(i) 2" thick (50 mm)

1	x	7	x	8 1/2	=	60 Sft
				Total	=	**60 Sft**
					@	2318.70 P.Sft 139122

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

i) China Verona

18	x	9	x	1 1/2	=	243 Sft	
18	x	15 1/2	x	2	=	558 ,,	
2	x	15 1/2	x	2	=	62 ,,	
				Total	=	**863 Sft**	
					@	412.30 P.Sft	355815

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

(i) 3/4" thick

6	x	4 1/2	x	14	=	378 Sft	
1	x	9	x	4 1/2	=	41 ,,	
2	x	4 1/2	x	4 1/2	=	41 ,,	
6	x	7	x	1	=	42 ,,	
6	x	12	x	1	=	72 ,,	
				Total	=	**573 Sft**	
					@	1308.95 P.Sft	750028

(ii) 1/2" thick

6	x	7	x	1/2	=	21 Sft	
6	x	12	x	1/2	=	36 ,,	
				Total	=	**57 Sft**	
					@	1182.95 P.Sft	67428

(30)

46 Providing And Laying Non-Slippery Porcelain Tiles /Checker Tile For Flooring (12"X12" Size) Light Polished Sb, Laid Over Cement Sand Mortar (Ratio 1:2) 3/4"-Thick I/C Filling Joints With White Cement, Complete In All Respects And As Approved By The Engineer Incharge

2 x 15 x 9 1/2 = 285 Sft

Total = 285 Sft N.S
@ 292.00 P.Sft 83220

47 Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw,1.5 in (40 mm) long to cover construction joints vertically:-
i) aluminium sheet 1/16 in(1.5 mm) thick

3 x 60 = 180 Rft
14 x 12 1/2 = 175 ,,

Total = 355 Rft
@ 149.90 P.Rft 53215

Total Rs: = ~~22908894~~ 2036242 / 2036242

D/d Cost of Old Material

i) Flush Doors	=	**10 Nos.** @ 1000 Each	10000	
ii) Wooden Doors	=	**41 Nos.** @ 1500 Each	61500	
ii) Windows	=	**52 Nos.** @ 4500 Each	234000	
iii) Vantilators	=	**10 Nos.** @ 2340 Each	23400	
		Total =	**328900**	(-) 328900

Total Rs: = ~~22580994~~ 2003242 / 2003242

Say Rs: = ~~22581000~~ 2003300 / 2003230

Sub Engineer

Jawed
Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

Public Health Installation

2nd Bi-Annual 2022

1	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. i) white	=	37 Nos. @ 2218.30 Each	82077
2	Providing and fitting glazed earthen ware wash hand basin /vanity 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etcv) Under Counter Vanity Basin	=	33 Nos. @ 6603.90 Each	217929
3	Providing and fitting low down plastic made flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) colored	=	37 Nos. @ 2649.10 Each	98017
4	Providing and fitting "P" trap (ii). 10 cm (4") glazed	=	55 Nos. @ 283.10 Each	15571
5	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized Polyvinyl Chloride) Nikasi/ waste pipe make of Dadex /Popular/Betaor equivalent, plain/socket ended conforming to code EN-1329 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents completeinall respect as approved and a) 4" dia	=	675 Rft @ 260.60 P.Rft	175905
6	Providing and installing P.V.C. bends, ii) Class `B' working pressure:- i) 4" dia	=	6 Nos. @ 543.55 Each	0
7	Providing and installing P.V.C. Tee, ii) Class `B' working pressure:- i) 4" dia	=	7 Nos. @ 1586.00 Each	0
8	Providing and laying testeing commissioning of POLY PROPYLENE RANDOM COMOPYME (PPRC) WATER SUPPLY PIPE MADE OF (Dads/popular / Beta/ BBJ0 with speicfied pressure rating PN (Pressure Nominal) and conforming to Din 8077-8078 code i/c cost of solvent specials, matking jharries complete in all respect as approved and directed by engineer incharge (Internal/Eternal Diametrs mentioned) a) PN-16 Pipe			
	i) 25 mm dia	=	650 Rft @ 57.95 P.Rft	37668
	ii) 32 mm dia	=	425 Rft @ 93.65 P.Rft	39801
9	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified dia meter made of Faisal / Sonex / Master best quality or equivalent complete in all respect as approved and directed by the Engineer incharge			
	i) 3/4" dia	=	28 Nos. @ 1434.00 Each	40152
	ii) 1" dia	=	8 Nos. @ 1674.00 Each	13392
10	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORTA brand (fullsize) i/c the cost of CP / rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	=	8 Nos. @ 19987.90 Each	159903
11	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge.			
	i) Plastic soap dish	=	31 Nos. @ 1200.00 Each	37200
	ii) Plastic toilet paper holder	=	31 Nos. @ 900.00 Each	27900

iii) Plastic tower rail	=	31 Nos. @ 1400.00 Each		43400
iv) Plastic shelf 60x13 cm (24:x5") with bracket and railing	=	31 Nos. @ 900.00 Each		27900
v) Plastic Brush holder	=	31 Nos. @ 900.00 Each		27900
vi) Looking glass with plastic frame	=	31 Nos. @ 1700.00 Each		52700
vii) Towel rail	=	31 Nos. @ 600.00 Each		18600
12 Providing and fixing CP bath Room Set made of Sonex / Master / Faisal comprising of 3-No Tee stop cocks ,lever type Basin Mixer, double Bib Cock,open wall shower, Muslim shower, waste coupling and bottle trap etc.complete in all respect as approved and directed by the Engineer incharge.				
i) 3-No. Tee stop cock	=	4 Nos. @ 2092.00 Each		8368
ii) Lever type Basin Mixer	=	~~34~~ 38 Nos. @ 6532.00 Each		~~222080~~ ~~26128~~
iii) Double bib cock	=	4 Nos. @ 1732.00 Each		6928
(iv) Open Type Wall Shower	=	4 Nos. @ 18532.00 Each		74128
v) Muslim shower	=	4 Nos. @ 2212.00 Each		8848
vi) Waste Coupling	=	4 Nos. @ 592.00 Each		2368
~~13 Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower~~	~~=~~	~~30 Nos. @ 2220.76 Each~~		~~66863~~
14 Providing and fixing chromium plated tee stop cock 13 mm (½").	=	62 Nos. @ 955.00 Each		59210
15 Providing and fixing chromium plated bib cock:- ii) 13 cm (½")	=	43 Nos. @ 775.00 Each		33325
16 Providing and Fixing C.P Elbow Action for use in Scrub in Operation Theathers best quality complete in all respect as approved by the engineer incharge	=	4 Nos. N.S @ 18500.00 Each		74000
		Total Rs: =		~~1745712~~ 1605277
		Say Rs: =		1745700 1605300

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

CONSTRUCTION OF OVERHEAD RESERVOIR 10000 GALLON CAPACITY

i) Design and construction of reinforced cement concrete high service reservoir 10000 imperial gallons capacity making 10% additional allowance for free board with 50 feet height of base slab from ground level. A cantilever will be projected all round reservoir at the level of base slab water tank i/c G.I pipe railing 2.5 ft height into 4 rows with all over painting i/c the cost of the followings:

ii) The contractor's firm shall supply design according to the bearing capacity is to be got tested by the Department (From Buildings Research Station Lahore.) the fee of testing will be paid by the contractor without any extra obligation of the Department this fee is demand to be included in the rate to be quoted by the contractor. No extra claim will be entertained in this respect from the contractor. Detailed design and drawing shall be got prepared by the Civil Engineer who passes Master Degree in structural Engineering and is registered Pakistan Engineering council for approved by the Competant authority (design and drawing will become the property of the department.

iii) P/F hoisting fastering disinfections of M.S pipe medium class flanged 4" i/d rising main 4"i/d scour and overflow and 4" i/d delivery main i/c cost of clamps nuts bolts rubber insulation sheet. The rate of i/c cost of flange and welding pipes ends. Bitumenous (coating on pipe to be laid under surface of the earth) as directed by the Engineer Incharge complete in all respect. The laying of all pipes of (O.H.R) shall be extended to minimum of one foot from other or most limit of foundation.

iv) P/F testing disinfecting of G.I pipe for rising main delievery main scour and over flow pipe of suitable size, approved by the Engineer Incharge. Such as bell mouth expension joints a sluice valve for over flow scour rising main and deliver main bends duck foot bends tail pieces etc. Complete in all respects i/c 1 No. vent pipes of suitable dia construction of plinth protection one foot projected beyond the after comprising of 1-1/2" thick P.C.C 1:2:4 toping over 4" thick (1:4:8) base.

v) P/F 1- No. 2-1/2"x2-1/2" i/c C.I main hole cover.

vi) P/F M.S angle iron stair 18" wide made of angle iron 2"x2"x1/4" M.S rod 3/4" dia at the one feet interval from ground level to top of the water tank i/c painting.

vii) P/F M.S ladder inside the water tank 18" wide made of angle iron 2"x2"x1/4" M.S rod 3/4" dia at the one foot interval i/c fixing roof of the O.H.R rigidly i/c black painting (which should be anti-corresive).

viii) P/F 1-1/2" G.I pipe railing 2.5 foot high with tow rows and vertical post @ 12" interval i/c cost of all types of specials on top slab i/c silver painting (zinc oxide) 81 earning and developing of site after construction of O.H.R i/c turning plantation complete to the entire satisfaction of the Engineer Incharge.

10000 gln @ 325 P.Gln = 3250000

1 Certified that input rates of material and labour for the item at serial No **Nil** are as per input rates displayed on web site of Finance Department for the **2nd Bi-Annual 2022**

2 Certified that rates for items at serial No ---------- are not available on the web site of Finance Department for the **2nd Bi-Annual 2022** and as such the rate of Rs:325/- has been applied after ascertaining it, form the market.

Sub Engineer

Sub-Divisional Officer
Buildings Sub-Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

Estimate for Construction/ Installation of Water Filtration Plant at Tehsil Headquarter Hospital Jahanian

GENERAL ABSTRACT OF COST

1	**Sub Head No. 1**	CONSTRUCTION OF ROOM 14' X 10' WITH VERANDAH 8' WIDE	Rs: 1393500/-
2	**Sub Head No. 2**	IINSTALLATION OF WATER PUMP	Rs: 975900/-
3	**Sub Head No. 3**	ELECTRICFICATION INSTALLATION	Rs: 49600/-
4	**Sub Head No. 4**	WATER FILTERATION PLANT (RO)	Rs: 1518700/-
		TOTAL	**Rs: 3937700/-**
		Add 3% Contigency	Rs: 118131/-
		TOTAL	**Rs: 4055831/-**
		SAY Rs.	**Rs: 4056000/-**

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division, Khanewal

SUB HEAD NO.1

CONSTRUCTION OF ROOM 14' X 10' WITH VERANDAH 8' WIDE

2nd Bi-Annual 2022

1) Excavation in foundation of building bridges and other structure i/c dagbelling dressing, refilling, around structure with excavated earth watering and ramming lead upto one chain 100' and lift upto 5' in ordinary soil. **(MRS C-3 / I.21B)**

Room Long Wall	2	x	23	x	3.00	x	2.25	=	303.75	Cft
Room Short Wall	3	x	11.75	x	3.00	x	2.25	=	237.94	Cft
Plinth protection (total Length) 91 Rft	2	x	24.25	x	2.00	x	1.375	=	133.38	Cft
	2	x	16.25	x	2.00	x	1.375	=	89.38	Cft
							Total	=	764.44	Cft
					764.44	Cft	@ Rs.		**10677.75**	%oCft

8162 /-

2) Cement Concrete brick or Stone blast. (1:6:18) Complete in all respect. **(MRS C-6 / I-3e)**

Room Long Wall	2	x	23	x	3.00	x	0.75	=	101.25	Cft
Room Short Wall	3	x	11.75	x	3.00	x	0.75	=	79.31	Cft
Plinth protection (total Length) 91 Rft	2	x	24.25	x	2.00	x	0.500	=	48.50	Cft
	2	x	16.25	x	2.00	x	0.500	=	32.50	Cft
							Total	=	261.56	Cft
					261.56	Cft	@ Rs.		**19449.25**	%Cft

50872 /-

3) Pacca brick work in cement sand mortor 1:6 in foundation and plinth

A) Room Long Wall

First Step	2	x	21.75	x	2.25	x	0.50	=	48.94	Cft
2nd Step	2	x	21.375	x	1.875	x	0.50	=	40.08	Cft
3rd Step	2	x	21.00	x	1.50	x	0.50	=	31.50	Cft
4th Step	2	x	20.625	x	1.125	x	0.50	=	23.20	Cft
5th Step	2	x	20.250	x	0.750	x	2.63	=	79.73	Cft

B) Room Short Wall

First Step	3	x	12.50	x	2.25	x	0.50	=	42.19	Cft
2nd Step	3	x	12.875	x	1.875	x	0.50	=	36.21	Cft
3rd Step	3	x	13.25	x	1.50	x	0.50	=	29.81	Cft
4th Step	3	x	13.625	x	1.125	x	0.50	=	22.99	Cft
5th Step	3	x	14.00	x	0.750	x	2.63	=	82.69	Cft

C) Plinth Protection

First Step	2	x	24.63	x	1.125	x	0.50	=	27.70	Cft
2nd Step	2	x	24.25	x	0.750	x	2.875	=	104.58	Cft
1st Step	2	x	17.63	x	1.13	x	0.50	=	19.83	Cft
2nd Step	2	x	18.00	x	0.75	x	2.88	=	77.63	Cft
For Culvert	2	x	20.00	x	0.375	x	0.50	=	7.50	Cft
	2	x	20.00	x	1.125	x	1.00	=	45.00	Cft
Doorstep/Drain/Toe								=	70.00	Cft
							Total	=	**789.58**	**Cft**
					789.58	Cft	@ Rs.		**27768.70**	%Cft

219256 /-

4) P/L 1½" thick damp proof course of cement concrete 1:2:4 using cement sand and single including bitumen of coating (B) i/c one coat of bituman and one layer of polythen sheet.

Room Long Wall	2	x	20.25	x	0.75	=	30.38	Sft	
Room Short Wall	3	x	14.00	x	0.75	=	31.50	Sft	
					Total	=	61.88	Sft	
D/d opening of Door	1	x	13.50	x	0.75	=	10.13	Sft	
					Net	=	51.75	Sft	
			51.75	Sft	@	Rs.	**8629.95**	%Sft	

4466 /-

5) Pacca Brick Work in ground floor in cemen sand mortor (1:6)

Long Wall	2	x	20.25	x	0.75	x	11.00	=	334.13	Cft
Short Wall	3	x	14.00	x	0.75	x	11.00	=	346.50	Cft
Para Pitt Total L/S Wall (Total Length = 86.50 Rft)	2	x	20.25	x	0.75	x	1.50	=	45.56	Cft
	3	x	14.00	x	0.75	x	1.50	=	47.25	Cft
							Total	=	773.44	Cft
D/d opening										
doors	1	x	4.00	x	0.75	x	7.00	=	21.00	Cft
Windows	1	x	4	x	0.75	x	4.00	=	12.00	Cft
Ver	1	x	12.50	x	0.75	x	8.00	=	75.00	Cft
Lintel	1	x	11.00	x	0.75	x	0.50	=	4.13	Cft
beams	1	x	15.50	x	0.75	x	1.125	=	13.08	Cft
							Total	=	125.20	Cft
Net Qty:			773.44	-	125.20			=	648.23	Cft
					648.23	Cft	@ Rs.		**29952.50**	%Cft

194162 /-

6) P/L reinforced cement concrete i/c prestressed concrete using course and screened graded washed aggregate in required shape and design including form moulds shuterring, lifting, compaction, curing, rendraing, finishing exposed surfaces complete but excluding the cost of steel reinforcement its fabrication and placing in position (a) Reinforce cement concreting roofs slabs beams colums lintles girders and other structure members laide in situes or recost laide in position or prestressed members cost in situe complete in all respect 3 C type C nominal mix 1:2:4 **(MRS C-6 / I-6a-3c)**

Lintel and beams	1	x	15.50	x	0.75	x	1.13	=	13.08	Cft
	1	x	11	x	0.75	x	0.50	=	4.13	Cft
Slab	1	x	15.5	x	20.25	x	0.460	=	144.38	Cft
							Total	=	161.59	Cft
					161.59	Cft	@ Rs.		**556.50**	P.Cft

89922 /-

7) Fabrication of mild steel inforcement for cement concrete including cutting bending laying in position making joints and fastning including cost of binding wire and labour charges for binding of steel inforcement (also inlude removal of rust from deformed bars) **(MRS C-6 / I-9b)**

6	x	10.875	x	0.668	x	0.454	=	19.79	Kg
20	x	2.25	x	0.375	x	0.454	=	7.66	Kg
6	x	15.375	x	1.5	x	0.454	=	62.82	Kg
2	x	15.375	x	0.668	x	0.454	=	9.33	Kg
30	x	3.500	x	0.375	x	0.454	=	17.88	Kg
42	x	20.13	x	0.668	x	0.454	=	256.34	Kg
40	x	15.38	x	0.668	x	0.454	=	186.51	Kg
								560.33	Kg
				560.33	Kg	@ Rs.		**31411.60**	%Kg

176008 /-

8) Filling watering and raming earth under floor with earth surplus from foundation takeing 2/3 Qty of Item No.1 **(MRS C-3 / I-15i)**

764.44	x	0.67				=	509.63	Cft
		509.63	Cft	@ Rs.		**5090.45**	%oCft	

2594 /-

9) Filling Watering and raming earth under floor with new earth excavated from out side lead upto one mile **(MRS C-3 / I-(15 ii)**

Room	1	x	10	x	14.00	x	2.50	=	350.00	Cft
Virandah	1	x	14.00	x	8.00	x	2.50	=	280.00	Cft
Plinth protection	2	x	22.75	x	1.25	x	2.00	=	113.75	Cft
Plinth protection	2	x	15.50	x	1.25	x	2.00	=	77.50	Cft
							Total	=	821.25	Cft
D/D Qtv item no.8			821.25	-	509.63			=	311.63	Cft
					311.63	Cft	@ Rs.		**15777.65**	%oCft

4917 /-

10) P/L watering and ramming dry brick ballast 1½" to 2" thick gauge mixed with 25% sand for floor foundation Complete in all respect **(MRS C-10/I-3)**

Room	1	x	10	x	14.00	x	0.50	=	70.00 Cft
Virandah	1	x	14.00	x	8.00	x	0.50	=	56.00 Cft
Plinth protection	2	x	22.8	x	1.25	x	0.33	=	18.96 Cft
Plinth protection	2	x	15.50	x	1.25	x	0.33	=	12.92 Cft
							Total	=	157.88 Cft
					157.88	Cft	@ Rs.		**9164.40** %Cft 14468 /-

11) Cement concrete plain 1:2:4 i/c placing, compacting, finishing, and curing complete i/c screening and washing of stone aggregate. **(MRS C-6/I-5f).**

Room	1	x	10	x	14.00	x	0.125	=	17.50 Cft
Virandah	1	x	14.0	x	8.00	x	0.125	=	14.00 Cft
	1	x	12.5	x	0.75	x	0.125	=	1.17 Cft
	1	x	4.0	x	0.75	x	0.125	=	0.38 Cft
							Total	=	33.05 Cft
					33.05	Cft	@ Rs.		**38126.10** %Cft 12599 /-

12) Providing and laying super quality Ceramic tile floor s of Master brand of specifiedsize ,Glossy / Matt / Texture of approved Color and Shade as per approved design with adhesive bond ,over 3/4" thick (1;2) cement sand plasteri / the cost of sealer for finishing the jointsi / cutting grinding complete in all respect sand as approved and directed by the Engineer Incharge. i) 12"x18"/12"x24"/10"x24" /8"x24"/12"x36"

Floor									
Room	1	x	14.0	x	10.00			=	140.00 Sft
veranda	1	x	14.0	x	8.00			=	112.00 Sft
Room Long Wall	2	x	14	x	4.00			=	112.00 Sft
Room Short Wall	2	x	10	x	4.00			=	80.00 Sft
veranda wall	1	x	15.50	x	9.00			=	139.50 Sft
	2	x	8.00	x	9.00			=	144.00 Sft
									727.50 Sft
					727.50	Sft	@ Rs.		**239.90** P.Sft 174527 /-

13) P/L topping of cement concrete (1:2:4) using crushed stone 5mm thick including surfash finishing & dividing in 2 pannels 2" thick. **(MRS C-10/I-15(e)**

L/R side of building in Plinth Protection	2	x	24.25	x	2.00			=	97.00 Sft
Back Side P.Protecti	2	x	15.5	x	2.00			=	62.00 Sft
							Total	=	159.00 Sft
					159.00	Sft	@ Rs.		**8933.55** %Sft 14204 /-

14 P/L Marble Patty 1.5" x 3/8"

					2.00	x	45.00	=	90.00 Rft
					90.00	=	@ Rs.		**19.80** p/Rft 1782 /-

15 Providing and fixing Steel Chokhat of Angel Iron 1.5" x 1.5" welded with MS Flat Patti 2" x 1/4" Complete in all Respect

			4.0	x	7.00			=	28.00 Sft
					28.00	Sft	@ Rs.		**402.85** P.Sft 11280 /-

16 P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge ii) Double Leaf

			3.750	x	6.875			=	25.78 Sft
			N.S		25.78	Sft	@ Rs.		**1393.05** P.Sft 35915 /-

17 P/F steel window using M.S sheet moulded with tubler pipe 2"x 1½" for frame 1.5" x 1" for leaves i/c M.S square bars 16SWG 1/4" x 1/4" welded arround each pannel of frame 5mm thick glass panes fixed with double M.S tubler pipe 3/8"x3/8" bedding with U-shaped rubber linning bras filling hold fast i/c painting three coasts a) for openable panels fixed with wire gauge 12x12 meches & glass pane 1/4" thick I/c Grill 1/2"x1/8" with painting 3 coat **(MRS C-25/I-44)**

	1	x	4.00	x	4.00			=	16.00	Sft
					16.00	Sft	@ Rs.		**977.45**	P.Sft
										15639 /-

18 Cement plaster 1:4 upto 20ft.height (b) 1/2" thick **(MRS C-11/I-8b)**

	1	x	2	x	(14+10)	x	7.00	=	336.00	Sft
	1	x	2.00	x	(14+8)	x	2.00	=	88.00	Sft
	1	x	14.00	x	9.00			=	126.00	Sft
Outside	1	x	2.00	x	(15.5+20.25)	x	13.50	=	965.25	Sft
Parapet	1	x	2.00	x	(14+18.75)	x	1.50	=	98.25	Sft
Top	1	x	2.00	x	20.25	x	0.75	=	30.38	Sft
	1	x	2.00	x	14.00	x	0.75	=	21.00	Sft
L/S for veriation								=	100.00	Sft
							Total	=	**1764.88**	**Sft**
D/D Door	1	x	4.00	x	7.00			=	28.00	Sft
Window	1	x	4.00	x	4.00			=	16.00	Sft
V Opening	1	x	13	x	8.00			=	100.00	Sft
							Total	=	**144.00**	**Sft**
	1764.88	-	144.00	=	1620.88	Sft	@ Rs.		**3241.60**	%Sft
										52542 /-

19 3/8" thick cement plaster (1:3) under sofit of Roof Slab of RCC Slab **(MRS C-11/I-10b)**

Room	1	x	14.00	x	10.00			=	140.00	Sft
Veranda	1	x	14.00	x	8.00			=	112.00	Sft
							Total	=	252.00	Sft
					252.00	Sft	@ Rs.		**3705.55**	%Sft
										9338 /-

20 Distemper 3 Coats on new surface i/c preparing surface and priming coat

Area as item No.18								=	1620.88	Sft
Area as item No.19								=	252.00	Sft
							Total	=	1872.88	Sft
D/d area item no.21								=	920.00	Sft
	1872.88	-	920.00	=	952.88	Sft	@ Rs.		**1561.35**	%Sft
										14878 /-

21 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: (2 coats) **(MRS C-13/I-32A**

Room Side	1	x	2.00	x	15.5+20.25	x	13.50	=	965.25	Sft
Outside	1	x	2.00	x	14+18.25	x	0.75	=	48.38	Sft
	1	x	2.00	x	20.00	x	0.75	=	30.00	Sft
	1	x	2.00	x	14.00	x	0.75	=	21.00	Sft
LS for Veriation								=	100.00	Sft
							Total	=	1164.63	Sft
D/d area item no.18								=	144.00	Sft
	1164.63	-	144.00	=	1020.63	Sft	@ Rs.		**5245.30**	%Sft
			1925.2		942.85					53535 /-

22 Single Layer of Tiles 9"x4½"x1½" laid over 4" earth & 1" mud plaster without bhoosa grouted with cement sand (1:3) on top of RCC roof slab provided with 34Lbs bitumen Coating sand blinded **(MRS C-9/I-5)** + Polythen sheet 500 guage

Room	1.00	x	14.00	x	18.75			=	262.50	Sft
D/d Top Khura	1.00	x	2.00	x	2.00			=	4.00	Sft
							Total	=	258.50	Sft
			258.50		Sft		@ Rs.		**11928.70**	%Sft
										30836 /-

23 Making Khasi Parnala 12" wide outside of ratio 1:2

			1.00	x	13.00			=	13.00	Rft
			13.00				@ Rs.		**180.65**	P.Rft
										2348 /-

24 Top Khura on Roof 2 x 2 x 1/2

						1.00 No.		
		1.00	=		@	**854.35** P.No.		854 /-

25 Making and fixing steel grated doors, complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre. **(MRS C-25/I-30)**

1	x	5	x	8	=	40	Sft		
				40	Sft	@ Rs:	**1929.35**	P/Sft	77174 /-

26 Making and fixing grating in opening, including fixing at site with flat iron 2"x3/8" (50x10 mm) and ¾" (19 mm) square bars, at 4" (100 mm) centre to centre. **(MRS C-25/I-32)**

1	x	7.5	x	8	=	60	Sft		
				Total	=	60	Sft		
				60	Sft	@ Rs:	**956.95**	P/Sft	57417 /-

27 Painting new surface, Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work: **(MRS C-13/I-5-d)**

2	x	12.50	x	8.00		=	200.00	Sft	
				200.00		@ Rs.	**2714.80**	%Sft	5430 /-
		545.45	+	310.2	+	310.2			

28 Supply & Erection of Copper conductor Cable for Service connection twin core 7/0.064

150	Rft	@ Rs 306.30	P.Rft	45945 /-

29 S/E Cieling fan 56" as approved by Engineer

1	No.	@ Rs 6,500	P.No.	6500 /-

31 Earth work O/S lead up to 1 mile levelling and dressing.

1	x	24.25	x	10	x	1	=	**243**	Cft	
1	x	19.5	x	16	x	1	=	**312**	Cft	
								555	Cft	
D/d 10% Shrinkage							=	**55**	Cft	
							=	**499.05**	Cft	
							@	**11929.10**	%oCft	5953

Total Rs: 1393523 /-

Say Rs: 1393500 /-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

SUB HEAD NO.2

IINSTALLATION OF WATER PUMP

2nd Bi-Annual 2022

1) Boring for tube well in all types of Soil except shingle & rock from ground level to 100ft depth including sinking & with drawing of cosing pipe complete 6" dia **(MRS C-23/ I-1d)**

1.00 x 100 = 100.00 Rft
Total = 100.00 Rft
100.00 Rft @ Rs. **878.05** P. Rft Rs. 87805 /-

2) Boaring for tubewell in all types of soil except shingle & rock from a depth of 100 ft to 200 ft below ground level including sinbing & with drawing of sasing pipe complete 6" dia. **(MRS(C-23 / I-2b)**

1.00 x 100 = 100.00 Rft
Total = 100.00 Rft
100.00 Rft @ Rs. **1365.00** P. Rft Rs. 136500 /-

3) Providing and installing P.V.C. blind pipe, B.S.S. Class `B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete. **(MRS C-23 / I-15b)**

4" i/d 50.00 Rft @ Rs. **794.40** P. Rft Rs. 39720 /-

4) Providing and installing P.V.C. strainer B.S.S. Class `D' , in tubewell bore hole, including sockets and solvent, etc. complete:- **(MRS C-23/I-12c)**

2" i/d 30.00 Rft @ Rs. **129.95** P. Rft Rs. 3899 /-

5) 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. **(MRS C-23 / I-16c)**

2" i/d 110.00 Rft @ Rs. **230.00** P. Rft Rs. 25300 /-

6) Providing and installing P.V.C. Bail/End plug, in tubewell bore hole:- (ii) B.S.S. Class `D' **(MRS C-23 / I-13(ii)c)**

2" i/d 1.00 No @ Rs. **95.15** P. Each Rs. 95 /-

7) 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. **(MRS C-23 / I-16b)**

1½" i/d 50.00 Rft @ Rs. **158.25** P. Rft Rs. 7913 /-

8) 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. **(MRS C-23 / I-16a)**

1¼" i/d 80.00 Rft @ Rs. **128.90** P. Rft Rs. 10312 /-

9) P/FEjectorPumpofspecifiedSuctionandDeliveryheads,coupledwithSinglePhaseSe imenElectricMotorofrequiredratingforwatersupplyi/cthecostofconnectioncharges,n

1.00 No @ Rs. **17905.90** P. Each Rs. 17906 /-

10) P/F fiber glass supper tuff plastic made best quality water tanki 500 gallons capacity laid on roof with necessary foundation i/c making connection for delivery and section pipe complete in all respect and as approved by the Engineer Incharge (500+500) **(N.S.)**

1000 Gln @ Rs. **70** P. Gln Rs. 70000 /-

11) P/L cutting jointing & disinfecting G.1 pipe of B.S.S 1/2" dia 3.25 mm thick Medium quality **(MRS C-23 / I-22(C&E)**

1" dia	1.00	x	16	=	16 Rft.			
	25	Rft	@ Rs.		**324.20** P.	Rft	Rs.	8105 /-
1½" dia	1.00	x	75	=	75 Rft			
	25	Rft	@ Rs.		**469.70** P.	Rft	Rs.	11743 /-

12) M/F M.S Sheet 18-SWG and angle iron for 1-1/2"x1-1/2"x1/4" with grill as required shape and painting size (3.50x2.33x3) with lock & locking arrangements **(N.S)**

1.00	No	@ Rs.	**5000** P.	Each	Rs.	5000 /-

13) Providing and laying testeing commissioning of POLY PROPYLENE RANDOM COMOPYME (PPRC) WATER SUPPLY PIPE MADE OF (Dads/popular / Beta/ BBJ0 with speicfied pressure rating PN (Pressure Nominal) and conforming to Din 8077-8078 code i/c cost of solvent specials, matking jharries complete in all respect as approved and directed by engineer incharge (Internal/Eternal Diametrs mentioned) a) PN-16 Pipe

i) 25 mm	1	x	1500	=	1500 Rft			
	1500	Rft	@ Rs.		**57.95** P.	Rft	Rs.	86925 /-
ii) 32 mm	1	x	2000	=	2000 Rft			
	2000	Rft	@ Rs.		**93.65** P.	Rft	Rs.	187300 /-
iii) 40 mm	1	x	2000	=	2000 Rft			
	2000	Rft	@ Rs.		**129.40** P.	Rft	Rs.	258800 /-

14) Providing and fitting "P" trap (ii). 10 cm (4") glazed

1	x	8	=	8 No.				
8	No.	@ Rs.		**283.10** P.	No.	Rs.	2265 /-

15 Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15"x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").

1	x	8	=	8 No.				
8	No.	@ Rs.		**1084.60** P.	No.	Rs.	8677 /-

16 Providing and fixing chromium plated tee stop cock 13 mm (½").

1	x	8	=	8 No.				
8	No.	@ Rs.		**955.00** P.	No.	Rs.	7640 /-

Total Rs. 975905 /-

Say Rs. 975900 /-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

SUB HEAD NO.3 **ELECTRICFICATION INSTALLATION**

2nd Bi-Annual 2022

1 Supply & errection of PVC pip for wiring recessed in walls including inspection box pull box, hooks, cutting,jhanes & repairing surface etc complete in all respect. 25 mm i/d. **(MRS C-24 / I-3(iii)**

	1.00	x	95	=	95.00 Rft				
			Total	=	95.00 Rft				
	95.00 Rft		@ Rs.		**81.70** P.	Rft	Rs.	7762 /-

2 S/E single core PVC insulated copper conducter caple in prelaid pvc pipe(rate of cable only) complete in all respect. **(MRS Ch.24/It.11(i),(ii),(iii)**

3/0.029"	1.00	x	140	=	140.00 Rft				
			Total	=	140.00 Rft				
	140.00 Rft		@ Rs.		**25.70** P.	Rft	Rs.	3598 /-
7/0.029"	1.00	x	95	=	95.00 Rft				
			Total	=	95.00 Rft				
	95.00 Rft		@ Rs.		**40.75** P.	Rft	Rs.	3871 /-
7/0.044"	1.00	x	40	=	40.00 Rft				
			Total	=	40.00 Rft				
	40.00 Rft		@ Rs.		**75.10** P.	Rft	Rs.	3004 /-

3 S/Errection of iron/alluminium clad 500 volt main switches with triple pole and neutral link and HRC fuses on angle iron board with 3mm (1/8") thick M.S sheet covering i/c bonding to earth with necessary flexible pipe and thimbles. **(MRS C-24/I-19)**

60/65 AMP				=	1.00 No				
			Total	=	1.00 No				
	1.00 No		@ Rs.		**4299.00** P.	No	Rs.	4299 /-

4 Supply & Errection of M.S sheet box of 16 SWG (4") deep with 3/16" thick bakelite sheet top for recessed wiring i/c making holes for regulator swithces plug etc **(C-24/I-14(III)**

(9"x4")				=	1 No.				
	1	No.	@ Rs.		**478.30** P.	No.	Rs.	478 /-

5 Supply & Errection of MS Sheet (4"x4") **(MRS C-24/I-14(I)**

				=	1.00 No.				
	1.00 No.		@ Rs.		**270.50** P.	No.	Rs.	271 /-

6 Supply & Errection of switches 5 AMP piano Type **(MRS C-24/I-31(ii)**

				=	8 No.				
	8	No.	@ Rs.		**72.00** P.	No.	Rs.	576 /-

7 S/E of 3 Pin switches and plug combined complete in all respect **(C.24 I(33).**

	5 Amp			=	1 No.				
	1 No.		@ Rs.		**149.80** %	No.	Rs.	150 /-

8 S/E of Energy Sawer i/c connection from ceiling rose etc. complete 18-watt with holder. **(N.S)**

	2	No	@ Rs.		**780.00** P.	No	Rs.	1560 /-

9 Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-

a) PVC insulated, PVC sheathed twin core, 250/440 volts.

7/0.044"	1.00	x	150	=	150.00 Rft				
			Total	=	150.00 Rft				
	150.00 Rft		@ Rs.		**160.20** P.	Rft	Rs.	24030 /-

Total Rs. 49599 /-

Say Rs. 49600 /-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

Analysis of Rate

Providing and Installation , testing of RO Plant of approved Manufacturer 1000 LPS capacity complete in woring order as approved by the engineer incharge.

Unit of Rate ---------- Each

					2nd Bi-Annual 2022
1	Providing and Installation , testing of RO Plant of approved Manufacturer 1000 LPS capacity complete in woring order as approved by the engineer incharge.	=	1 Job @	1350000 P.Job	1350000
				Total	**1350000**
				Add 12.50% Contractor Profit + OHC	168750
				Total Rs:	**1518750**

Say Rs: 1518700/- Each

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

(46)

PRICE.

TOTAL COST OF REVERES OSMOSIS PLANT 1000 LPH. Rs: 1350000/= including GST

Note:

Payment:	As per P/O.
Delivery of Plant:	within 15-20 days after P/O
Installation Period:	within 5 days after delivery
Offer Validity:	45DAYS
Warranty:	One year

Thanking and assuring you of our best professional services and co-operation.

Best regards,

Saeed lodhi
0321 4463484

Multinational Traders
Saeedlodhi444@gmail.com

Penta Pure Water Technologies,
85 Temple Road Lahore (Pakistan)

Hussain S/E Jawad S.D.O

THQ Jhaniya
Provision/Installation of Electrical Equipment.

S.#			Qty:	Unit	Rate	Amount
A		I.T. (LV) SUB-STATION EQUIPMENT:				
1		Construction of ELECTRICAL ROOM	1		As per requirement	
2		P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		MDB-1(For PDBs)				
		Incoming from Transformer				
	(i)	LT Switchboards		cft		
	(a)	2.50 Ft deep				
	(i)	300A ((3.0x6'x2.5')	1	each	3,433.80	154521
		Incoming breakers for MDB-1				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 300A(36 KA) 1*2=2	2	each	62,433.00	124866
		Outgoing breakers for MDB-1				
	(a)	Tripple Pole 100A(36 KA) 1*3=3	2	each	17,433.00	34866
	(b)	Tripple Pole 150A(36 KA) 1*3=3	2	each	18,093.00	36186
	(b)	Tripple Pole 200A(36 KA) 1*2=2	2	each	39,813.00	79,626.00
3		MDB				
		Incoming from Transformer				
		Tripple Pole 400A(36 KA) 1*=1	1	each	62,433.00	62,433.00
		Tripple Pole 200A(36 KA) 1*2=2	2	each	39,813.00	79,626.00
4		P/F floor mounted ATS (Auto Transfer Switch) panel board , fabricarted with 14S WG M.S sheet (Indoor Type) duly painted with 100 microns powder coated paint in approved colour , front access ,extendable,insulation class of 600 volts IP-44, incomimg & outgoing connections from bottom with flexible copper cable suitable for 415 VAC, 3-phase 4 wire, 50 HZ TPN&E system having rated service, short circuit breaking capacity at 400VAC conformimg to IEC-947-2 to accomodate given no of circuit components, instruments & accessories,assembled & wired with Electrolitic Copper bus bars at 50 deg and cables duly cleaned down to bare shining metal phosphate, manual change Over i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar,CTs,Contactors,Relays, Door Earthing, Brass glands complete in all respects as approved and directed by the Engineer Incharge. (Breakers wil be paid additionally).				
		ATS (for 100 KVA Generator and Transformer)				
		Incoming from Generator and ATS for dual supply				
	(a)	1.00 Ft deep	2	each	801175.75	1602351.5
	(ii)	100KVA				
		Incoming Breakers For ATS (for 100 KVA Generator and Transformer)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1* 1=1)	1	each	39,813.00	39813
		Outgoing Breakers For ATS (for 100 KVA Generator and Transformer)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 100A(36 KA) (3* 2=6)	6	each	17,433.00	104598
5		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).		cft		41295
		PDBs (For OPD & Emergency)				
	(a)	6" deep				
	(ii)	100A (30"x22"x6")	2	each	13,765.05	62975.10375
		Incoming Breakers for PDBs (For OPD & Emergency)				
	1	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 100A(36 KA) (1*2=2)	2	each	17,433.00	34866
		Outgoing Breakers for PDBs (For OPD & Emergency)				
	2	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(10 KA) (1*2=2)	2	each	11,253.00	22506
	(b)	Single Pole 32A(10 KA) (6*2=12)	12	each	1,101.75	13221
	(d)	Single Pole 16A(10 KA) (7*2=14)	14	each	1,101.75	15424.5
6		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).				
		PDBs (For wards)		cft		40473
	(a)	12" deep				
	(ii)	200A (3'x3'x12")	2	each	4,497.00	80946
		Incoming Breakers for PDBs (For wards)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 200A(36 KA) (1*2=2)	2	each	39,813.00	79626
		Outgoing Breakers for PDBs (For wards)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (4*2=8)	8	each	17,433.00	139464
	(b)	Single Pole 32A(10 KA) (6*2=12)	12	each	1,101.75	13221
	(c)	Single Pole 16A(10 KA) (6*2=12)	12	each	1,101.75	13221
7		P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).		cft		
		LDBs (For Wards)				
	(a)	6" deep				
	(ii)	63A (18"x24"x6")	4	each	13,765.05	82590.3
		Incoming Breakers for LDBs (For Wards)				
		Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Tripple Pole 63A(36 KA) (1*3=3)				

S.#			Qty:	Unit	Rate	Amount
		Outgoing Breakers for LDBs (For Wards)				
		Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.				
	(a)	Single Pole 20A(10 KA) (4*3=12)	12		1,101.75	13221
	(b)	Single Pole 16A(10 KA) (4*3=12)	12		1,101.75	13221
	(c)	Single Pole 10A(10 KA) (6*3=18)	18		1,101.75	19831.5
B	**LT POWER CABLE.**					
	1	95 mm sq (37/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For Transformer and MDB-1)**	200	rft	3,676.05	735210
	2	50 mm sq (19/0.072") PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable **(For PDBs)**	250	rft	1,858.35	464587.5
	3	7/1.12 mm (7/0.044") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(For LDBs and ACs)**	250	rft	160.20	40050
	4	7/0.74 mm (7/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	86.55	8655
	5	3/0.91 mm (3/0.036") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	79.00	7900
	6	3/0.74 mm (3/0.029") PVC insulated, PVC sheathed twin core, 250/440 volts. copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc **(for Internal Wiring of Hospital)**	100	rft	43.20	4320
	7	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
		i) 1" dia	450	rft	94.60	42570
		ii) 1-1/2" dia	700	rft	145.60	101920
		iii) 2" dia	200	rft	183.45	36690
	8	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):- a)				
		i) 3/0.029"	1200	rft	25.70	30840
		ii) 7/0.029"	1300	rft	40.75	52975
		iii) 7/0.044"	550	rft	75.10	41305
		Ceiling fans 48 No. @ 6000 Rs 288000/ TOTAL			5049482/	~~4542542~~
		Cable tray 12x6 200 rft @ 1094.70 Rs 218940/ SAY			Add 3% Contingency 151484	4542500

5200966/
52,09,900/

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

DETAILED ESTIMATE FOR THE PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23). (Reception Counter)

2nd i-Annual 2022

1 Pacca brick work in other than building in cement sand mortar ratio 1:4

	1	x	10	x	3/4	x	4	=	30 Cft
	4	x	2	x	3/4	x	4	=	24 ,,
							Total	=	54 Cft
								@	30526.30 %Cft 16484

2 P/L of Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-
(c) Type C (Nominal mix 1:2:4

1	x	10	x	2 3/4	x	1/4	=	7 Cft
							@	556.50 P.Cft 3829

3 Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, i/c cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-
b) deformed bars

7	x	6.75	x	0.454			=	21 Kg
							@	31411.60 %Kg 6622

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

	1	x	7	x	4			=	28 Sft
	3	x	2	x	2	x	4	=	48 ,,
								Total	= 76 Sft
									@ 3241.60 %Sft 2464

5 Providing and laying super bquality Porcela in glazed tiles flooring of MASTER brand of specified size in approved design, Color and Shade withad hesive / bond over 3/4" thick (1:3) cement plasteri / cthe cost of sealer for finishing the jointsi / ccutting grinding complete in allrespect as approved and directed by the Engineer Incharge.
a) Full body Glazed tiles
(ii) 600 mm x 600 mm

1	x	10	x	4 1/4			=	43 Sft
2	x	2 3/4	x	4 1/4			=	23 ,,
4	x	3/4	x	4 1/4			=	13 ,,
1	x	10	x	1/4			=	3 ,,
							Total	= 81 Sft
							@	340.50 P.Sft 27625

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

1	x	10	x	3			=	30 Sft
							@	1308.95 P.Sft 39269

7 Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)

1	x	10	x	2 1/2			=	25 Sft
							@	1242.45 P.Sft 31061

8 Providing and fixing vinboard cabinet ¾" thick with drawers 3" deep in kitchen including termite proofing and polishing or painting with synthetic enamel as specified, with handles, hinges, etc: complete in all respects
i) 1-1/2' deep, without back

1	x	10	x	2 1/2			=	25 Sft
							@	1077.85 P.Sft 26946
								Total Rs: = 154299
								Add 3% Contingency = 4629
								Total Rs: = 158928
								Say Rs: = 158900

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

DETAILED ESTIMATE FOR "PROGRAMME FOR REVAMPING OF ALL THQ HOPITALS IN PUNJAB" ONE AT TEHSIL HEAD QUARTER HOSPITAL, JAHANIAN DISTRICT KHANEWAL (ADP NO. 658/2022-23) (Sewerage System)

2nd Bi-Annual 2022

1	Dismantling P.C.C 1:2:4										
	P.Chamber	1	x	10	x	12	x	1/6	=	20 Cft	
		1	x	3 1/2	x	1 1/8	x	1/6	=	1 ,,	
	Plinth	2	x	20 1/4	x	3	x	1/8	=	15 ,,	
	,,	2	x	12 1/2	x	3	x	1/8	=	9 ,,	
								Total	=	**45 Cft**	
										@ 11174.60 %Cft	5059
2	Dismantling cement concrete with brick aggregate										
	P.Chamber	1	x	10	x	12	x	1/3	=	40 Cft	
	Plinth	2	x	18 3/4	x	2 1/4	x	1/3	=	28 ,,	
		2	x	12 1/2	x	2 1/4	x	1/3	=	19 ,,	
								Total	=	**87 Cft**	
										@ 3047.60 %Cft	2646
3	Earthwork excavation in ashes, sand and soft soil or silt dearance, undressed lead upto 50 ft (15 meter).										
	P.Chamber	1	x	10	x	12	x	1/3	=	40 Cft	
	Plinth	2	x	18 3/4	x	2 1/4	x	1/3	=	28 ,,	
		2	x	12 1/2	x	2 1/4	x	1/3	=	19 ,,	
								Net Total	=	**87 Cft**	
										@ 5587.30 %0Cft	485
4	Racking and washing of joints of brick masonary (old work) out side Residence										
	P.Chamber	1	x	2	x(	14 1/4	+	12 1/4	)x 3	=	159 Sft
	Toe wall	1	x	2	x(	20 1/4	+	18 1/4	)x 2	=	154 ,,
									Total	=	**313 Sft**
	Deduction										
	Door	1	x	3 1/2	x	3	=	**11 Sft**		(-)	11 Sft
									Net Total	=	**303 Sft**
										@ 660.00 %Sft	1997
5	Removing cement or lime plaster										
	P.Chamber	1	x	2	x(	10	+	12	)x 3	=	132 Sft
									Total	=	**132 Sft**
										@ 423.30 %Sft	559
6	Supplying and filling sand under floor, or plugging in wells										
	Take same qty.item No.2									=	87 Cft
									Total	=	**87 Cft**
										@ 2823.30 %Cft	2451
7	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										
	Take qty.item No.6									=	87 Cft
									Total	=	**87 Cft**
										@ 9164.40 %Cft	7957
8	Pacca brick work in foundation and Plinth in cement sand mortar ratio 1:6										
	P.C toe wall	1	x	8	x	3/4	x	3		=	**18 Cft**
										@ 27768.70 %Cft	4998
9	Providing and laying topping of cement concret 1:2:4, including surface finishing and dividing in panels:- i) 2" thick										
		1	x	10	x	12				=	120 Sft
		2	x	20 1/4	x	3				=	122 ,,
		2	x	12 1/4	x	3				=	74 ,,
									Total	=	**315 Sft**
										@ 8933.55 %Sft	28141
10	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. a) Size 1½" x 3/8" (40 x 10 mm) Take qty.item No. 9										
		315	x	70	/	100				=	**221 Rft**
										@ 19.80 P.Rft	4366
11	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½" (13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: a) using grey cement: ii) ½" (13 mm) thick										
	P.Chamber	1	x	2	x(	10	+	12	)x 3	=	132 Sft
									Total	=	**132 Sft**
										@ 20961.80 %Sft	27670

(51)

12 Cleaning of sewer line 6" to 12" i/d

1	x(	50	+	10	+	10	+	40	)	=	110	Rft	
1	x(	10	+	100	+	100	+	60	)	=	270	,,	
1	x(	100	+	100	+	10	+	27	)	=	237	,,	
1	x(	17	+	100	+	100	+	100	)	=	317	,,	
1	x(	5	+	50	+	92	+	7	)	=	154	,,	
1	x(	31	+	20	+	50	+	95	)	=	196	,,	
1	x(	92	+	47	+	29	+	100	)	=	268	,,	
1	x(	100	+	50	+	40	+	70	)	=	260	,,	
1	x(	100	+	50	)					=	150	,,	

Total = **1962 Rft**
@ 45.00 P.Rft 88290

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

1	x(	100	+	100	)x	2	x(	2 1/2 / 2	+	2 3/4	)=	1050 Cft
1	x(	100	+	50	)x	2	x(	2 1/2 / 2	+	2 3/4	)=	788 ,,
1	x(	50	)x	2	x(	2 1/2 / 2	+	2 3/4	)			263 ,,

Total = **2100 Cft**
@ 11740.40 %0Cft 24655

14 Add for Sui gas connection for 3-Nos. Residences = **3 Nos.**
@ 8000.00 Each 24000

15 Construction of Man-Holes (2-1/2' x 4') Size 3-1/2 depth = **7 Nos.**
@ 46600.00 Each 326200

16 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, jointing, cutting pipes where necessary, finishing and testing, etc., complete
i) 9" dia

1	x(	100	+	100	+	100	+	50	+	50	)=	**400 Rft**

@ 528.30 P.Rft 211320

17 Rehandling of earthwork:
a) Lead upto a single throw of Kassi, phaorah or shovel
Take qty.item No. 13 = **2100 Cft**
@ 2539.70 %0Cft 5333

18 Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp. = **6 Nos.**
@ 2544.20 Each 15265

19 Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps):
ii) Philips. design = **6 Nos.**
@ 5070.10 Each 30421

20 Supply and fitting of mercury vapour lamp, complete with choke set.
i) 125 watt lamp = **6 Nos.**
@ 1796.80 Each 10781

21 Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only):-
a) 250/440 volts, PVC insulated:
i) 7/0.036" = **600 Rft**
@ 53.80 P.Rft 32280

ii) 7/0.064" = **900 Rft**
@ 175.50 P.Rft 157950

Total Rs: = **1012824**

Add 3% Contingency = 30385

Total Rs: = **1043208**

Say Rs: = **1043200**

Sub Engineer

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Buildings Division
Khanewal

Detail for Construction of Main Hole 4'x2-1/2'x3-1/2'

2nd Bi-Annual 2022

1 Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-

i) O' to 7' depth 1 x 6 x 4.5 x 2.5 = **67.50 Cft**
@ 11740.40 %0Cft 792

2 Cement concrete brick or stone ballast 1½ " to 2" gauge, in foundation and plinth:-
A) 1:6:12
In bed 1 x 6 x 4.5 0.5 = **13.50 Cft**
@ 20943.25 %Cft 2827

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

2 x 5.5 x 0.75 x 3.5 = 28.90 Cft
2 2.5 0.75 3.5 = 13.10 ,,
Total = **42.00 Cft**
@ 30526.30 %Cft 12821

4 Cment sand plater 1/2" thick upto 20' height Ratio 1:4

1 x 2 x(4 + 2.5)x 3.5 = 45.50 Sft
1 x 2 x(5.5 + 2.5)x 0.75 = 12.00 ,,
1 x 2 x(5.5 + 4)x 1 = 19.00 ,,
Total = **76.50 Sft**
@ 3241.60 %Sft 2480

5 P/LReinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining wall; etc and other structural members other than those mentioned in 5(a) (i) above not requiring from work (i.e. horizontal shuttering) complete in all respects:-
(1) Type C (nominal mix 1: 2: 4 unsing Local & Harrow sand)

1 x 5.5 x 4 x 0.42 = 9.20 Cft
D/d 1.8 x 1.83 x 3.142 x 0.25 x 0.42 (-) 1.00 ,,
Balance **8.20 Cft**
@ 457.75 P.Cft 3754

6 Fabrication of mild steel reinforcement for cement concrete, i/c cutting, bending, laying in position, making joints and fastenings, i/ccost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-
b) deformed bars

8.20 x 6.75 x 0.454 = **25.10 Kg**
@ 31411.60 %Kg 7884

7 Cement concrete plain including placing, compacting, finishing and curing complete (i/c screening and washing of stone aggregate):
f) Ratio 1: 2: 4

4 x 2.5 x 0.167 = **1.67 Cft**
@ 38126.10 %Cft 635

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

4 x 2.5 = **10 Sft**
@ 2934.10 %Sft 293

9 Providing and fixing, 6" (150 mm) thick R.C.C. manhole cover with 3"x3"x¼" (75x75x6mm) angle iron frame, 22" (550 mm) i/d as per standard drawing STD/PD No. 7 of 1977, complete in all respects.

= **1 No.**
@ 15108.75 Each 15109

Total Rs. 46596

Say Rs. 46600/-

Sub Engineer

Sub Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

Detail of External Water Supply System.

2nd Bi-Annual 2022

1 Excavation of trenches in all kinds of soil, except cutting rock, for water supply 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

i) 4" dia	1	x(200	+ 100	+ 60	+ 12	+ 100	)x	1 1/2	x	1	=	708	Cft		
ii) 3" dia	1	x(185	+ 185	+ 200	+ 113	)x	1 1/2	x	1		=	1025	,,		
iii) 2" dia	1	x(130	+ 130	+ 185	+ 160	)x	1 1/2	x	1		=	908	,,		
,,	1	x(30	+ 288	+ 100	)x	1 1/2	x	1			=	627	,,		
iv) 1-1/2" dia	1	x(135	+ 135	+ 80	+ 100	+ 140	)x	1 1/2	x	1	=	885	,,		
	1	x(100	+ 13	+ 100	+ 50	)x	1 1/2	x	1		=	395	,,		
										Total	=	**4547**	**Cft**		
											@	7622.75	%0Cft	34657	

2 Providing, laying cutting, jointing, testing and disinfecting G.I pipeline in trenches, with socket joints, using G.I pipes of B.S.S 1387-1967 complete in all respect with special and valves.

(i). Medium Quality

i) 4" dia	1	x(200	+ 100	+ 60	+ 12	+ 100	)				=	**472**	**Rft**		
											@	1564.95	P.Rft	738656	
ii) 3" dia	1	x(185	+ 185	+ 200	+ 113	)					=	**683**	**Rft**		
											@	1084.10	P.Rft	740440	
iii) 2" dia	1	x(130	+ 130	+ 185	+ 160	)					=	605	Rft		
,,	1	x(30	+ 288	+ 100	)						=	418	,,		
										Total	=	**1023**	**Rft**		
											@	660.00	P.Rft	675180	
iv) 1-1/2" dia	1	x(135	+ 135	+ 80	+ 100	+ 140	)				=	590	Rft		
	1	x(100	+ 13	+ 100	+ 50	)					=	263	,,		
										Total	=	**853**	**Rft**		
											@	469.70	P.Rft	400654	

3 Bitumen coating to plastered or cement concrete surface:-
iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)

i) 4" dia	472	x	3.142	x	0.333	=	1483 Sft
i) 3" dia	683	x	3.142	x	0.25	=	536 ,,
ii) 2" dia	1023	x	3.142	x	0.167	=	537 ,,
iv) 1-1/2" dia	853	x	3.142	x	0.125	=	2680 ,,
						Total =	**5236 Sft**
						@	1224.25 %Sft 64102

4 Supplying and laying polythene sheet over D.P.C under floor and on roofs, etc.
ii) 500 gauge (.005" thick)
Take qty.item No.3 = **5236 Sft**
@ 7.85 P.Sft 41103

5 Providing and Fixing gun metal peet/gate valve (screwed)
a) 2" dia = **17 Nos.**
@ 8362.5 Each 142163

b) 1-1/2" dia = **12 Nos.**
@ 6022.5 Each 72270

6 ProvidingandfixingCPheavydutybrassBallvalvewithCPhandleofspecifieddiametermadeofFaisal/Sonex/MasterbestqualityorequivalentcompleteinallrespectasapprovedanddirectedbytheengineerIncharge

a) 3/4" dia = **80 Nos.**
@ 1434 Each 114720

b) 1" dia = **80 Nos.**
@ 1674 Each 133920

7 Providing and Fixing sluice valve of B.S.S quality and weight, Class "B" for cast ironpipe line, and Asbestos cement pipe line (including cost of jointing material):-
A) 3" dia = **4 Nos.**
@ 16683.00 Each 66732

B) 4" dia = **2 Nos.**
@ 18331.05 Each 36662

8 Supply,installation,testing,andcommissioningofGarden/fireHydrantsmadebyHaseenHabib/TeepuEngineering orequivalent,accordingtoB.S.S.750standarddoubledeliverytypehaving4"diabarrelwith2Nos.2-1/2"valveincludingthecostofjointingmaterialwithallfittingsandaccessories complete in all respect as approved by the Engineer Incharge.

= **2 Nos.**
@ 49778.35 Each 99557

Total Rs: 3360815.3

Add 3% Contingency 100824

Total Rs: 3461639.7

Say Rs: 3461600

Sub Engineer

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Executive Engineer
Buildings Division
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54

Analysis of Rate

Providing and Installation , testing and commissioning of fire alram system i/c smoke detectors, sonders, manual call points, heat detectors, Emergency light, control panells conduting and cabling, C-TEC UK i/c cost of CO2 and DCP fire extinguisher complete in working order as approved by the engineer incharge.

Unit of Rate ---------- Each

2nd Bi-Annual 2022

1	Providing and Installation , testing and commissioning of fire alram system i/c smoke detectors, sonders, manual call points, heat detectors, Emergency light, control panells conduting and cabling, C-TEC UK i/c cost of CO2 and DCP fire extinguisher complete in working order as approved by the engineer incharge.	=	1 Job @	1781400 P.Job	1781400

Total	**1781400**
Add 12.50% Contractor Profit + OHC	222675
Total Rs:	**2004075**

Say Rs: 2004000/- Each

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Kabirwala

EXECUTIVE ENGINEER
Buildings Division
Khanewal

METRON INTERNATIONAL
LAHORE ISLAMABAD AFGHANISTAN QATAR
HEAD OFFICE: 333-Block-B, Iqbal Avenue II, Khayaban-e-Jinnah Road, Lahore - Pakistan.
(+92-42) 35189033-4
(+92-42) 3595 5514
E-mail: info@metronintl.com
Web: www.metronintl.com

Ref: CB/MI/6105/21 Rev 1 **Date: Aug, 01 2022**

Project: Site Kabir Wala
Pakistan.

Attention : The Concern Authorities

Subject: Quotation For Supply & Installation of Conventional Fire Alarm System

Respected Sir,

We are pleased to quote our best prices for your kind record and necessary action please.

Sr. No.	Description	Unit	Qty	Unit Price (Rs.)	Total Price (Rs.)
	CONVENTIONAL FIRE ALARM SYSTEM C-TEC, UK				
1	**Fire Alarm Control Panel** 04-Zone Conventional with batteries	Nos.	1	55,000	55,000
2	**Optical Smoke Detector** for general fire detection application.	Nos.	174	3,550	617,700
3	**Heat Detector** for general fire detection application.	Nos.	4	3,550	14,200
4	**Conventional Manual Call Point** Break Glass Type	Nos.	20	2,600	52,000
5	**Alarm Sounder With Flasher**	Nos.	20	6,000	120,000
6	**Emergency Exit Light**	Nos.	24	4,950	118,800
7	**Fire Extinguisher DCP 06 KG**	Nos.	10	3,450	34,500
8	**Fire Extinguisher CO2 05 KG**	Nos.	10	7,950	79,500
				SUB TOTAL	**1,091,700**

58

Sr. No.	Description	Unit	Qty.	Unit Price (Rs.)	Total Price (Rs.)
9	Installation of Field Devices, Cable & Conduiting Complete in all Respect.	Point	242	2,850	689,700
				SUB TOTAL	**689,700**

TOTAL SUMMARY

DESCRIPTION	AMOUNT
FIRE ALARM SYSTEM EQUIPMENTS	1,091,700
INSTALLATION OF FIRE ALARM SYSTEM	689,700
TOTAL AMOUNT WITHOUT ANY TAX	**1,781,400**

TERMS AND CONDITIONS

Prices: Inclusive of transportation, Installations and Testing.
Payment : 70 % in advance. **: 20 % Upon Delivery of Equipment.** **: 10 % After Testing Commissioning.**
Project Time: To be Discuss.
Warranty: 1 year, with after sales services.
Validity: 07 days from today.

NOT IN OUR SCOPE

- Core Cutting & Any Civil Work which is required during the installation of Pipeline or fixing of fire Equipment.
- Repair and rehabilitation work of road and other civil structure, which will be effected during installation of the Piping.
- Arrangement of field electrical supply to our installation team, for operation of welding plants and other equipment.
- Arrangement of proper/ safe shelter for material, tools and equipment used in installation work.
- Work permits to carry out installation work even during holidays and off-duty hours when required.
- An authorized job supervisor team is required which can verify the installation work at various stages of the system.
- If Bill of Quantity is affected by changes in site plan, so the quote will be revised.
- As far as material is imported therefore we are considering current US $ conversion rate PKR 246.00, values could be change at the time of order placement.

Best Regards,

Umer Latif
General Manager
(0321-4033316)

S.D.O.

(57)

RATE ANALYSIS FOR

Providing & Fixing Lead Sheet In X-Ray Room (03-Mm Thick) I/c Co-Nails And Covering Heads With Led Etc Complete In All Respect And As Approved By The Engineer Incharge

Unit ---------- P.Rft
Taking ---------- 32-Sft
2nd Bi-Annual 2022

A. MATERIAL

1	P/F lead sheet 02-mm thick						
	8x4	=	32	Sft			
	Add 5% wastage / over lapping	=	1.6	Sft			
	Total		**33.6**	**Sft**			
		=	@	1.875	/- Kgs/P.Sft		
		=	63	Kg			
			@	720.00	/- P.Kg		Rs: 45360/-
2	P/O Nails / Screws	=	1/4	Kg			
			@	300.00	/- P.Kg		Rs: 75/-
3	Lead for covering of heads of nails	**L.S**					Rs: 200/-
	Pressing charges of Lead Sheet	1	No	@	550.00	P.Job	Rs: 550/-

Total Rs: 46185/-

Add 10% sundries charges on labour only on Rs: 550/- **55/-**

Total Rs: 46240/-

Add 20% Contractor's Profit and OHC **9248/-**

Total Rs: 55488/-

Rate P.Sft = 55488 / 32 = 1734/-

Say Rs: 1730/- P.Sft

SUB ENGINEER	**SUB DIVISIONAL OFFICER** Buildings Sub Division Jahanian	**EXECUTIVE ENGINEER** Buildings Division Khanewal

Analysis of Rate:-

Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing and Laying Anti-microbial Floor (Gerflor Flooring), Anti-Bacterial, Anti-Static,Homogeneous, with best abrasion resistance,best indoor air quality, easy maintenance, No wax for life and high stain resistance, High performance homogeneous flooring, Resistant to main chemical products used in healthcare, Installed with Self leveling compound, complete in all respects and as approved by the Engineer Incharge.

Thickness = 2mm

1x10x10	=	100 Sft			
5% wastages	=	5 ,,			
Total		**105 Sft**			
		@	900	P.Sft	94500
			Total	**Rs:**	**94500**
Add 20% contractor's profit and OHC				Rs:	18900
			G.Total	**Rs:**	**113400**

Rate P.Sft 113400 / 100 = 1134 P.Sft

Say Rs: = 1134 P.Sft

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

(59)

Analysis of Rate

Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing And Laying Anti-microbial wall panelling/ cladding SPM Walls Panels that Can Resists to heavy impacts, Non-porous & 100% Antibacterial material suitable for high infection risk areas, Welded joints for perfect water tightness between panels or with vinyl flooring, Resists to standard cleaning, disinfection and antiseptic products, Heavy traffic resistant, Sustainable formulation

1x10x10	=	100 Sft			
5% wastages	=	5 ,,			
Total		**105 Sft**			
		@ 1500 P.Sft			157500
			Total	**Rs:**	**157500**
Add 20% contractor's profit and OHC				Rs:	31500
			G.Total	**Rs:**	**189000**

Rate P.Sft 189000 / 100 = 1890 P.Sft

Say Rs: = 1890 P.Sft

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

Analysis of Rate:-

Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm in OTs complete in all respects and as approved by the Engineer Incharge.

Analysis Purpose---------- 10x10 = 100 Sft
Unit ----------P.Sft
2nd Bi-Annual 2022

a Providing And Laying Non-porous Ceiling System, Aluminum Dampa Ceiling having Thickness: 0.7mm and Size: 600mm x 600mm.

1x10x10	=	100 Sft			
5% wastages	=	5 ,,			
Total		**105 Sft**			
		@	750 P.Sft		78750
			Total	**Rs:**	**78750**
Add 20% contractor's profit and OHC				Rs:	15750
			G.Total	**Rs:**	**94500**

Rate P.Sft 94500 / 100 = 945 P.Sft

Say Rs: = 945 P.Sft

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

RATE ANALYSIS FOR

Making And Fixing Pvc Doors 1-1/2" Thick Consisting Of Pvc Frame And Pvc Leaves I/C Hinges Complete In All Respects As Approved Design /Color By The Engineer Incharge

Unit = P.Sft
Taking = 2-1/2x7 = 17.5-Sft

Based on 2nd Bi-annual 2022

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Provision of PVC Frame and Leaf i/c fitting screws (Leaf up-to 7` height) i/c carriage of material	17.5 Sft			
		17.5 Sft	P-Sft	650.00	11375
2	Providing of full hing of door leave	6.875 Rft			
		6.875 Rft	P-Rft	50.00	344
3	Cost of Screwes/ Holdfast	1 Job			
		1 Job	P.Job	250.00	250
	TOTAL - A				**11969.00**
B) LABOUR					
	i) Carpenter	0.25 No.	P-Day	1250	312.50
	ii) Helper	0.5 No.	P-Day	962	481.00
	10% SUNDRIES				79.35
	TOTAL - B				**872.85**
	G- TOTAL (A+B)				**12841.85**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				2568.37
	OVER ALL TOTAL				**15410.22**
	RATE PER Sft =			880.58	
	Say Rs: =			**880/- P. Sft**	

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

(62)

ANALYSIS OF RATE FOR THE ITEM

Supply & Installation of Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W) in Fasle Ceilign of approved manufacturer i/c cost of all labour & material complete, as approved by the Engineer Incharge.

Detail of Cost=1-No.

Unit = Each

2nd Bi-annual 2022

A	**Material**					
1	Phillips, LED Panel Light 24"x24" (RC 091 LED 38S / 865 40-W)	1	No	Each	11000	11000
					Total "A"	**11000**
B	**Labour**					
1	Labour for fixing / installation.	1	No	Each	1350	1350
					Total "B"	**1350**
					Total Cost ="A"+"B" =	**12350**
	Add 20% Contractor's Profit & Overhead charges on Rs.	12350	/-			2470
					Grand Total: =	**14820**

Unit Rate P Sft = 14820 / 1 14820 Each

SAY 14800 Each

1 Certified that input rates of material and labour for the item at serial No. Nil are as per input rates displayed on web site of Finance Department for **2nd BI-Annual 2022**

2 Certified that rates for items at serial No. except all above are not available on the web site of Finance Department for **2nd BI-Annual 2022** and based on prevailing Market Rates.

SUB ENGINEER

Sub-Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Building Division
Khanewal

RATE ANALYSIS FOR

Making And Fixing Stainless Steel Edge Protector 2-1/2"X2-1/2" 18-Swg I/C Fixing With Screws On Porcelain Tile Dado Corners Complete In All Respects And As Approved By The Engineer Incharge

Unit = P.Rft
Taking = 04-Rft

2nd Bi-Annual 2022

Sr. No:	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O Stainless Steel Sheet 20-SWG					
		4x5/12	1.667 Sft			
	Add 5% Wastage		0.083 Sft			
			1.75 Sft	P.Sft	820.00	1435
2	Cost of Rowel Plugs					
		1x18	18 Nos			
			18 Nos	Each	10.00	180
3	Cost of Stainless Sankan Head Screws 1-1/2" Long					
		1x8	8 Nos			
			8 Nos	Each	5.00	40
	TOTAL - A					**1655.00**
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No.	(L.S)	25	25.00
	iii) Labour for drilling Hole		8 No.	(L.S)	20	160.00
	iiv) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					25.50
	TOTAL - B					**280.50**
	G- TOTAL (A+B)					**1935.50**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					387.1
	OVER ALL TOTAL					**2322.60**

RATE PER Rft = 580.65

Say Rs: = 580/- P. Rft

SUB ENGINEER

Jaweed
SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

64

RATE ANALYSIS FOR

Making And Fixing Stainless Steel Clading 20-Swg I/C Fixing With Screws On Columns Complete In All Respects And As Approved By The Engineer Incharge

Unit = P.Rft
Taking = 20-Sft

2nd Bi-Annual 2022

Sr. No:	DESCRIPTION OF ITEMS		QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.						
1	P /O Stainless Steel Sheet 20-SWG					
		4x5	20 Sft			
	Add 5% Wastage		1 Sft			
			21 Sft	P.Sft	820.00	17220
2	Cost of Rowel Plugs					
		1x18	18 Nos			
			18 Nos	Each	10.00	180
3	Cost of Stainless Sankan Head Screws 1-1/2" Long					
		1x8	8 Nos			
			8 Nos	Each	5.00	40
	TOTAL - A					**17440.00**
B) LABOUR						
	i) Labour For Cutting Strip		2 No.	Each	25	50.00
	ii) Labour for Bending Strip		1 No.	(L.S)	25	25.00
	iii) Labour for drilling Hole		8 No.	(L.S)	20	160.00
	iiv) Labour for fixing Each angle		1 No.	(L.S)	20	20.00
	10% SUNDRIES					25.50
	TOTAL - B					**280.50**
	G- TOTAL (A+B)					**17720.50**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES					3544.1
	OVER ALL TOTAL					**21264.60**
			RATE PER Rft =		1063.23	
			Say Rs: =		**1060/- P. Sft**	

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

ANALYSIS OF RATE FOR THE ITEM

Providing And Laying Non-Slippery Porcelain Tiles /Checker Tile For Flooring (12"X12" Size) Light Polished Sb, Laid Over Cement Sand Mortar (Ratio 1:2) 3/4"-Thick I/C Filling Joints With White Cement, Complete In All Respects And As Approved By The Engineer Incharge

Take 100 Sft for analysis purpose.
UNIT OF RATE = P-SFT

Sr. No:	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE	AMOUNT
A) MATERIAL.					
1	Non-Slippery Tile 12"x12" LPF Series Light Color (Rectified)SB CA(1) 5 P.51/98	100 Sft		1347	P.Mtr.
	ADD 5% WASTAGE	5 Sft			
		105 Sft	P-Sft	125.14	13139.75
2	White Cement (06.009)	0.1 Bag	P-Bag	1550	155.00
3	Grey Cement (06.008)	2.16 Bag	P-Bag	1020	2203
4	Pigment. (10.015)	0.3 Kg	P-Kg	130	39.00
5	Sand (06.007)	5 Cft	% Cft	4200	210.00
	TOTAL - A				**15746.95**
B) LABOUR					
	i) MASON (LB-040)	1.95 Nos	P-Day	1250	2437.50
	ii) COOLY (SKILLED) (LB-024)	3.9 Nos	P-Day	1250	4875.00
	iii) Bahishti (LB-017)	0.5 No	P-Day	969	484.50
	10% SUNDRIES				779.70
	TOTAL - B				**8576.70**
	G- TOTAL (A+B)				**24323.65**
	ADD 20% CONTRACROR'S PROFIT + OVER HEAD CHRAGES				4864.73
	OVER ALL TOTAL				**29188.38**

RATE PER Sft = 291.88

Say Rs: = 292/- P. Sft

CERTIFICATE

1- Certified that input rates of material and labour for the item at serial No. 1-5 & i-iii are as per input rates displayed on web site of Finance Department for **2nd Bi-Annual 2022.**

2- Certified that rates for items at serial No. _____ is not available on the web site of Finance Department for **2nd Bi-Annual 2022** and as such the rate of Rs: 292/- has been applied after ascertaining it, form the market.

SUB ENGINEER

SUB DIVISIONAL OFFCER
Buildings Sub Division
Jahanian

EXECUTIVE ENGINEER
Buildings Division
Khanewal

Analysis of Rate:-

Providing and Fixing C.P Elbow Action for use in Scrub in Operation Theathers best quality complete in all respect as approved by the engineer incharge

Unit ----------Each

2nd Bi-Annual 2022

1	Providing of Elbow action	**1 No.** @ 14800 Each		14800
2	Fixing Accessories	L.S		135
3	Labour for fitting Elbow action in position i/c required specials	**1 Job** @ 500 P.Job		500
		Total	**Rs:**	**15435**
	Add 20% contractor's profit and OHC		Rs:	3087
		G.Total	**Rs:**	**18522**

Say Rs: 18500/- Each

Sub Engineer

Sub-Divisional Officer
Buildings Sub Division
Jahanian

Executive Engineer
Buildings Division
Khanewal

8. ANNUAL OPERATING COST (POST COMPLETION)

Financial Components: Capital
Cost Center:OTHERS- (OTHERS)
Fund Center (Controlling):LE4203
Grant Number: Government Buildings - (PC12042)
LO NO:LO22010045
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:LO22010045
A/C To be Credited: Account-I

PKR Million

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

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

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

9. DEMAND AND SUPPLY ANALYSIS

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

10. FINANCIAL PLAN AND MODE OF FINANCING

10.1 FINANCIAL PLAN EQUITY INFORMATION

10.2 FINANCIAL PLAN DEBT INFORMATION

10.3 FINANCIAL PLAN GRANT INFORMATION

Attached

8. Financial Plan and Mode of Financing

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

Revenue Side

(Rs.in Million)

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released	41.000	23.469	3.335	3.245	5.572	8.147	84.867
Utilization	22.177	23.126	3.330	3.184	5.506	1.395	58.718

Capital Side:

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Funds Released						26.965	26.965
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

11. PROJECT BENEFITS AND ANALYSIS

11.1 PROJECT BENEFIT ANALYSIS INFORMATION

Social Benefits with Indicators

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

11.3.1 Social Impact:

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

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.

11.5 FINANCIAL 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.
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.
Revenue will be generated from:

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

12. IMPLEMENTATION SCHEDULE

12.1 IMPLEMENTATION SCHEDULE/GANTT CHART

Original Gestation period (From September, 2017 to June, 2019)
Extension in Gestation period for one year with no change in cost & Scope till June 2020.
1st Revised gestation period till June, 2021
2nd Revised gestation period till June, 2023.
3rd Revised gestation period till June, 2025

12.2 RESULT BASED MONITORING (RBM) INDICATORS

undefined

12.3 IMPLEMENTATION PLAN

01-09-2017 to 30.06.2025

12.4 M&E PLAN

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

12.5 RISK MITIGATION PLAN

Attached

RISK REGISTER

Programme for Revamping of all THQ Hospitals in Punjab

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

12.6 PROCUREMENT PLAN

undefined

13. MANAGEMENT STRUCTURE AND MANPOWER REQUIREMENTS

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

14. ADDITIONAL PROJECTS / DECISIONS REQUIRED

NA

15. CERTIFICATE

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

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17. RELATION WITH OTHER PROJECTS